

1 **Name of Journal:** *World Journal of Gastroenterology*

2 **Manuscript Type:** ORIGINAL ARTICLE

3 *Observational Study*

4 **Socioeconomics and attributable etiology of primary liver cancer, 1990–2019**

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6 XING QQ *et al.* Socioeconomics and liver cancer

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Table with columns: Location, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019. Rows include locations like Fukuoka, Fukushima, Gifu, Gunma, Hiroshima, Hokkaido, Hyogo, Ibaraki, Ishikawa, Iwate, Kagawa, Kagoshima, Kanagawa, Kochi, Kumamoto, Kyoto, Mie, Miyagi, Miyazaki, Nagano, Nagasaki, Nara, Niigata, Okinawa, Osaka, Saga, Satsuma, Shiga, Shimane, Shizuoka, Tochigi, Tokushima, Tokyo, Tohori, Toyama, Wakayama, Yamagata, Yamaguchi, Yamanaashi, South Korea, Singapore, High-income North America, Canada, Greenland, USA.













Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
North East Lincolnshire	0.682	0.688	0.694	0.700	0.705	0.708	0.709	0.711	0.714	0.719	0.723	0.726	0.729	0.729	0.731	0.733	0.735	0.737	0.741	0.743	0.746	0.751	0.757	0.764	0.768	0.771	0.774	0.778	0.781	0.784
North Lincolnshire	0.722	0.727	0.732	0.737	0.742	0.745	0.746	0.748	0.752	0.756	0.760	0.762	0.764	0.765	0.767	0.768	0.770	0.772	0.775	0.777	0.781	0.785	0.790	0.796	0.799	0.800	0.801	0.803	0.805	
North Yorkshire	0.746	0.750	0.755	0.760	0.765	0.767	0.769	0.772	0.775	0.781	0.786	0.790	0.793	0.796	0.798	0.801	0.803	0.804	0.807	0.808	0.811	0.815	0.819	0.824	0.827	0.830	0.832	0.834	0.836	0.838
Rotherham	0.686	0.690	0.695	0.701	0.706	0.708	0.710	0.712	0.715	0.720	0.725	0.729	0.732	0.734	0.737	0.739	0.741	0.743	0.745	0.747	0.750	0.754	0.760	0.766	0.770	0.773	0.775	0.778	0.781	0.784
Sheffield	0.749	0.753	0.758	0.762	0.767	0.770	0.773	0.776	0.780	0.785	0.789	0.792	0.798	0.801	0.804	0.807	0.811	0.814	0.817	0.819	0.822	0.826	0.830	0.834	0.837	0.840	0.842	0.844	0.847	0.848
Wakefield	0.694	0.699	0.704	0.710	0.715	0.718	0.720	0.722	0.726	0.731	0.735	0.739	0.742	0.743	0.745	0.746	0.748	0.749	0.751	0.753	0.755	0.760	0.765	0.772	0.777	0.780	0.783	0.786	0.789	0.792
York	0.795	0.799	0.804	0.809	0.813	0.816	0.819	0.822	0.826	0.830	0.834	0.839	0.842	0.845	0.849	0.852	0.855	0.857	0.859	0.861	0.863	0.865	0.868	0.871	0.873	0.875	0.877	0.879	0.881	0.883
Northern Ireland	0.701	0.707	0.716	0.726	0.733	0.737	0.738	0.740	0.744	0.751	0.759	0.765	0.770	0.774	0.777	0.779	0.781	0.783	0.786	0.789	0.792	0.796	0.800	0.808	0.811	0.815	0.818	0.821	0.823	0.825
Scotland	0.706	0.724	0.728	0.735	0.743	0.750	0.754	0.754	0.756	0.760	0.764	0.768	0.774	0.780	0.787	0.789	0.791	0.792	0.794	0.797	0.801	0.805	0.809	0.814	0.819	0.823	0.826	0.828	0.831	0.834
Wales	0.706	0.711	0.717	0.723	0.729	0.733	0.736	0.740	0.745	0.751	0.757	0.762	0.766	0.769	0.772	0.775	0.778	0.780	0.783	0.785	0.788	0.792	0.797	0.802	0.806	0.809	0.812	0.815	0.818	0.820
Latin America and Caribbean	0.491	0.496	0.501	0.506	0.511	0.516	0.521	0.526	0.531	0.536	0.541	0.546	0.550	0.554	0.558	0.563	0.568	0.573	0.578	0.583	0.589	0.594	0.600	0.605	0.611	0.616	0.620	0.625	0.629	0.633
Andean Latin America	0.489	0.492	0.496	0.500	0.504	0.509	0.514	0.519	0.524	0.529	0.534	0.538	0.543	0.548	0.553	0.558	0.564	0.569	0.575	0.580	0.585	0.591	0.596	0.602	0.608	0.613	0.618	0.624	0.628	0.632
Bolivia	0.412	0.417	0.422	0.428	0.434	0.441	0.448	0.455	0.462	0.469	0.474	0.480	0.485	0.491	0.496	0.501	0.506	0.510	0.514	0.518	0.521	0.525	0.528	0.533	0.538	0.544	0.550	0.556	0.562	0.566
Ecuador	0.503	0.506	0.510	0.514	0.517	0.521	0.524	0.528	0.532	0.535	0.539	0.544	0.549	0.554	0.559	0.565	0.570	0.575	0.581	0.586	0.591	0.597	0.603	0.609	0.615	0.621	0.626	0.632	0.636	0.640
Peru	0.501	0.505	0.508	0.511	0.516	0.521	0.526	0.532	0.537	0.543	0.548	0.552	0.557	0.562	0.566	0.571	0.577	0.583	0.589	0.594	0.599	0.606	0.614	0.620	0.625	0.630	0.635	0.640	0.645	0.648
Caribbean	0.517	0.522	0.525	0.528	0.531	0.533	0.536	0.539	0.542	0.547	0.552	0.557	0.563	0.569	0.573	0.579	0.585	0.588	0.591	0.594	0.598	0.601	0.605	0.609	0.612	0.616	0.620	0.625	0.628	0.631
Antigua and Barbuda	0.579	0.586	0.592	0.598	0.604	0.610	0.616	0.623	0.631	0.638	0.645	0.652	0.659	0.665	0.672	0.679	0.686	0.694	0.700	0.705	0.709	0.713	0.716	0.719	0.723	0.727	0.731	0.735	0.739	0.743
The Bahamas	0.692	0.684	0.676	0.679	0.686	0.692	0.697	0.702	0.710	0.721	0.731	0.735	0.737	0.739	0.742	0.744	0.749	0.755	0.759	0.762	0.767	0.774	0.779	0.780	0.782	0.784	0.786	0.789	0.791	0.794
Barbados	0.649	0.653	0.658	0.663	0.667	0.670	0.672	0.674	0.676	0.677	0.680	0.683	0.687	0.691	0.695	0.699	0.703	0.707	0.711	0.714	0.718	0.721	0.725	0.728	0.730	0.733	0.735	0.737	0.740	0.742
Belize	0.428	0.437	0.447	0.457	0.466	0.475	0.482	0.488	0.494	0.499	0.505	0.510	0.515	0.521	0.528	0.534	0.541	0.547	0.553	0.559	0.564	0.569	0.574	0.579	0.583	0.588	0.592	0.596	0.600	0.603
Bermuda	0.685	0.689	0.693	0.697	0.701	0.704	0.707	0.710	0.714	0.719	0.724	0.731	0.737	0.743	0.749	0.755	0.760	0.766	0.773	0.779	0.785	0.790	0.795	0.799	0.802	0.805	0.807	0.809	0.811	0.815
Cuba	0.578	0.586	0.589	0.588	0.586	0.583	0.582	0.582	0.579	0.581	0.586	0.588	0.593	0.597	0.602	0.605	0.611	0.618	0.618	0.620	0.624	0.631	0.636	0.640	0.645	0.653	0.660	0.665	0.668	0.671
Dominica	0.579	0.585	0.591	0.597	0.604	0.610	0.617	0.623	0.630	0.637	0.643	0.649	0.655	0.660	0.666	0.672	0.677	0.683	0.689	0.695	0.700	0.705	0.709	0.713	0.717	0.721	0.724	0.727	0.728	0.729
Dominican Republic	0.425	0.427	0.430	0.434	0.437	0.442	0.446	0.452	0.458	0.465	0.471	0.478	0.485	0.492	0.499	0.508	0.516	0.524	0.532	0.538	0.544	0.549	0.554	0.559	0.565	0.574	0.580	0.587	0.592	0.596
Grenada	0.463	0.474	0.485	0.495	0.505	0.515	0.524	0.533	0.543	0.553	0.562	0.570	0.577	0.585	0.592	0.600	0.606	0.613	0.619	0.624	0.628	0.633	0.637	0.641	0.645	0.650	0.654	0.659	0.664	0.669
Guyana	0.452	0.456	0.461	0.467	0.474	0.481	0.488	0.496	0.503	0.510	0.516	0.522	0.527	0.532	0.536	0.540	0.544	0.549	0.554	0.559	0.565	0.571	0.577	0.583	0.590	0.596	0.602	0.608	0.614	0.618
Haiti	0.307	0.311	0.314	0.317	0.320	0.323	0.328	0.333	0.338	0.344	0.350	0.356	0.361	0.366	0.371	0.375	0.379	0.383	0.387	0.392	0.395	0.399	0.403	0.407	0.412	0.416	0.420	0.424	0.428	0.432
Jamaica	0.542	0.547	0.553	0.560	0.566	0.573	0.580	0.586	0.592	0.598	0.603	0.609	0.614	0.620	0.625	0.630	0.635	0.640	0.645	0.649	0.653	0.657	0.661	0.664	0.667	0.671	0.675	0.678	0.681	0.683
Puerto Rico	0.670	0.676	0.679	0.684	0.689	0.693	0.699	0.705	0.711	0.714	0.720	0.731	0.738	0.742	0.744	0.748	0.752	0.756	0.760	0.764	0.769	0.774	0.779	0.785	0.793	0.802	0.808	0.811	0.813	0.814
Saint Kitts and Nevis	0.583	0.592	0.599	0.607	0.614	0.620	0.626	0.633	0.638	0.644	0.650	0.657	0.663	0.668	0.673	0.679	0.685	0.690	0.696	0.701	0.706	0.710	0.714	0.719	0.724	0.728	0.733	0.738	0.742	0.746
Saint Lucia	0.483	0.493	0.504	0.514	0.524	0.534	0.543	0.551	0.560	0.568	0.575	0.581	0.587	0.593	0.600	0.606	0.612	0.617	0.623	0.629	0.634	0.639	0.643	0.648	0.652	0.656	0.659	0.663	0.667	0.670
Saint Vincent and the Grenadines	0.462	0.471	0.479	0.487	0.495	0.502	0.509	0.515	0.522	0.528	0.534	0.539	0.545	0.551	0.557	0.562	0.568	0.574	0.580	0.585	0.589	0.593	0.598	0.602	0.606	0.610	0.615	0.619	0.623	0.627
Suriname	0.498	0.503	0.507	0.511	0.515	0.518	0.523	0.528	0.533	0.538	0.545	0.552	0.556	0.560	0.564	0.568	0.574	0.579	0.584	0.588	0.593	0.598	0.602	0.611	0.616	0.620	0.625	0.629	0.633	0.636
Trinidad and Tobago	0.618	0.622	0.626	0.630	0.634	0.639	0.644	0.650	0.656	0.662	0.669	0.675	0.682	0.689	0.696	0.704	0.711	0.718	0.724	0.728	0.732	0.736	0.742	0.747	0.752	0.757	0.762	0.767	0.773	0.775
Virgin Islands	0.667	0.680	0.689	0.697	0.704	0.710	0.715	0.720	0.724	0.728	0.731	0.734	0.742	0.749	0.756	0.762	0.768	0.773	0.778	0.782	0.785	0.788	0.790	0.791	0.792	0.794	0.795	0.796	0.798	0.799
Central Latin America	0.485	0.490	0.495	0.501	0.507	0.512	0.517	0.523	0.528	0.533	0.538	0.543	0.547	0.551	0.554	0.559	0.564	0.569	0.575	0.579	0.584	0.589	0.594	0.599	0.604	0.609	0.614	0.618	0.623	0.626
Colombia	0.478	0.480	0.482	0.486	0.492	0.498	0.503	0.509	0.514	0.518	0.522	0.526	0.529	0.533	0.536	0.540	0.546	0.552	0.559	0.567	0.574	0.582	0.589	0.596	0.603	0.609	0.616	0.622	0.628	0.633
Costa Rica	0.532	0.538	0.544	0.550	0.555	0.560	0.565	0.571	0.577	0.584	0.592	0.598	0.603	0.607	0.611	0.615	0													

	Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	Chihuahua	0.529	0.534	0.538	0.542	0.546	0.549	0.553	0.558	0.563	0.568	0.573	0.578	0.584	0.588	0.593	0.598	0.602	0.607	0.611	0.614	0.617	0.620	0.623	0.627	0.632	0.637	0.643	0.648	0.654	0.658	
	Coahuila	0.529	0.536	0.543	0.549	0.556	0.561	0.566	0.571	0.576	0.581	0.586	0.591	0.595	0.600	0.604	0.609	0.613	0.617	0.620	0.623	0.625	0.628	0.631	0.634	0.639	0.644	0.648	0.653	0.658	0.663	
	Colima	0.535	0.543	0.551	0.557	0.563	0.568	0.574	0.580	0.585	0.590	0.596	0.601	0.606	0.611	0.615	0.620	0.625	0.629	0.634	0.638	0.642	0.646	0.650	0.654	0.659	0.664	0.669	0.673	0.678	0.682	
	Durango	0.453	0.460	0.466	0.472	0.478	0.483	0.489	0.496	0.504	0.511	0.517	0.524	0.530	0.537	0.543	0.548	0.553	0.558	0.563	0.567	0.572	0.577	0.582	0.587	0.591	0.596	0.602	0.608	0.614	0.618	
	Guerrero	0.408	0.414	0.419	0.424	0.429	0.434	0.440	0.446	0.452	0.457	0.464	0.470	0.476	0.481	0.487	0.493	0.498	0.504	0.510	0.516	0.522	0.529	0.535	0.541	0.548	0.554	0.560	0.566	0.572	0.578	
	Hidalgo	0.430	0.438	0.445	0.453	0.460	0.467	0.474	0.481	0.488	0.494	0.501	0.507	0.513	0.518	0.524	0.530	0.536	0.542	0.548	0.553	0.559	0.565	0.571	0.577	0.584	0.590	0.596	0.601	0.606	0.611	
	Jalisco	0.523	0.530	0.537	0.544	0.551	0.556	0.561	0.566	0.572	0.577	0.582	0.587	0.591	0.596	0.600	0.604	0.608	0.613	0.617	0.621	0.625	0.629	0.634	0.638	0.643	0.647	0.652	0.657	0.661	0.665	
	Mexico	0.536	0.544	0.551	0.558	0.565	0.569	0.573	0.577	0.580	0.583	0.587	0.591	0.595	0.599	0.604	0.608	0.612	0.616	0.620	0.622	0.625	0.629	0.632	0.636	0.640	0.644	0.648	0.652	0.657	0.660	
	Michoacan de Ocampo	0.601	0.607	0.614	0.621	0.627	0.633	0.638	0.644	0.650	0.656	0.662	0.667	0.672	0.677	0.683	0.688	0.693	0.699	0.705	0.711	0.716	0.721	0.727	0.732	0.738	0.744	0.750	0.756	0.762	0.767	
	Morelos	0.459	0.467	0.475	0.482	0.487	0.492	0.497	0.503	0.508	0.514	0.519	0.524	0.529	0.534	0.540	0.545	0.550	0.555	0.560	0.565	0.570	0.575	0.580	0.585	0.590	0.595	0.600	0.605	0.610	0.615	
	Nayarit	0.489	0.495	0.501	0.506	0.511	0.516	0.522	0.529	0.535	0.541	0.548	0.555	0.561	0.567	0.574	0.580	0.586	0.591	0.595	0.599	0.603	0.607	0.612	0.617	0.621	0.626	0.630	0.635	0.639	0.643	
	Nuevo Leon	0.577	0.583	0.589	0.594	0.599	0.602	0.606	0.611	0.615	0.620	0.625	0.629	0.634	0.638	0.642	0.645	0.649	0.652	0.656	0.658	0.661	0.665	0.669	0.673	0.677	0.682	0.686	0.691	0.696	0.699	
	Oaxaca	0.426	0.429	0.433	0.437	0.441	0.445	0.449	0.453	0.458	0.462	0.467	0.472	0.477	0.483	0.490	0.496	0.502	0.509	0.516	0.522	0.528	0.534	0.540	0.545	0.550	0.555	0.561	0.566	0.571	0.574	
	Puebla	0.460	0.467	0.473	0.480	0.486	0.490	0.495	0.500	0.504	0.509	0.514	0.520	0.525	0.530	0.536	0.541	0.546	0.552	0.557	0.561	0.566	0.572	0.577	0.583	0.588	0.593	0.598	0.603	0.608	0.612	
	Queretaro	0.507	0.514	0.520	0.526	0.533	0.539	0.545	0.552	0.559	0.567	0.575	0.584	0.591	0.597	0.603	0.608	0.613	0.618	0.622	0.626	0.630	0.634	0.639	0.644	0.649	0.653	0.658	0.663	0.667	0.671	
	Quintana Roo	0.494	0.504	0.513	0.522	0.531	0.540	0.549	0.557	0.565	0.572	0.579	0.585	0.591	0.596	0.601	0.606	0.610	0.615	0.620	0.624	0.629	0.634	0.638	0.643	0.647	0.652	0.657	0.662	0.666	0.670	
	San Luis Potosi	0.451	0.457	0.464	0.471	0.478	0.486	0.493	0.501	0.508	0.516	0.523	0.530	0.536	0.543	0.550	0.557	0.564	0.571	0.578	0.584	0.590	0.596	0.602	0.607	0.612	0.617	0.622	0.626	0.631	0.635	
	Sinaloa	0.519	0.525	0.530	0.536	0.542	0.547	0.553	0.559	0.565	0.570	0.576	0.580	0.585	0.589	0.594	0.599	0.604	0.608	0.613	0.617	0.621	0.626	0.631	0.636	0.641	0.647	0.652	0.657	0.662	0.667	
	Sonora	0.446	0.452	0.458	0.464	0.469	0.474	0.479	0.484	0.489	0.494	0.499	0.504	0.509	0.514	0.519	0.524	0.529	0.534	0.539	0.544	0.549	0.554	0.559	0.564	0.569	0.574	0.579	0.584	0.589	0.594	0.599
	Tabasco	0.485	0.492	0.499	0.505	0.511	0.516	0.523	0.529	0.536	0.542	0.548	0.555	0.561	0.566	0.572	0.577	0.582	0.587	0.592	0.596	0.601	0.605	0.610	0.614	0.619	0.623	0.628	0.632	0.636	0.640	
	Tamaulipas	0.529	0.535	0.540	0.546	0.551	0.557	0.563	0.570	0.576	0.581	0.585	0.589	0.594	0.598	0.602	0.606	0.610	0.614	0.618	0.621	0.624	0.628	0.632	0.636	0.641	0.647	0.652	0.657	0.662	0.666	
	Tlaxcala	0.474	0.483	0.492	0.501	0.509	0.516	0.523	0.529	0.536	0.542	0.549	0.555	0.561	0.566	0.572	0.577	0.582	0.587	0.592	0.596	0.601	0.605	0.610	0.614	0.619	0.623	0.628	0.632	0.636	0.640	
	Veracruz de Ignacio de la Llave	0.471	0.475	0.480	0.485	0.489	0.493	0.497	0.502	0.507	0.512	0.517	0.522	0.527	0.532	0.537	0.542	0.548	0.553	0.558	0.562	0.567	0.572	0.578	0.582	0.587	0.592	0.596	0.601	0.605	0.609	
	Yucatan	0.478	0.484	0.490	0.497	0.504	0.511	0.517	0.524	0.530	0.535	0.540	0.545	0.549	0.553	0.559	0.564	0.571	0.577	0.583	0.588	0.594	0.599	0.605	0.611	0.616	0.622	0.627	0.631	0.636	0.642	
	Zacatecas	0.493	0.499	0.505	0.511	0.516	0.520	0.525	0.529	0.534	0.539	0.544	0.550	0.555	0.560	0.564	0.568	0.572	0.576	0.581	0.584	0.587	0.591	0.595	0.599	0.604	0.609	0.615	0.620	0.625	0.630	
	Nicaragua	0.338	0.345	0.353	0.360	0.368	0.376	0.385	0.393	0.402	0.411	0.419	0.426	0.433	0.440	0.449	0.453	0.458	0.464	0.469	0.474	0.479	0.484	0.489	0.494	0.498	0.503	0.508	0.512	0.517	0.521	
	Panama	0.544	0.549	0.555	0.559	0.562	0.565	0.568	0.573	0.579	0.586	0.592	0.597	0.602	0.605	0.607	0.610	0.613	0.616	0.620	0.623	0.627	0.630	0.635	0.642	0.650	0.658	0.666	0.674	0.680	0.686	
	Venezuela	0.509	0.514	0.522	0.530	0.537	0.542	0.546	0.551	0.554	0.557	0.559	0.560	0.558	0.552	0.548	0.550	0.557	0.566	0.575	0.582	0.589	0.591	0.596	0.600	0.604	0.607	0.608	0.608	0.608	0.607	
	Tropical Latin America	0.487	0.492	0.497	0.503	0.508	0.513	0.519	0.524	0.529	0.533	0.538	0.543	0.547	0.552	0.556	0.561	0.566	0.572	0.578	0.584	0.590	0.597	0.604	0.610	0.617	0.622	0.627	0.632	0.636	0.640	
	Brazil	0.487	0.492	0.498	0.503	0.508	0.513	0.519	0.524	0.529	0.533	0.538	0.543	0.547	0.552	0.556	0.561	0.566	0.572	0.577	0.583	0.590	0.597	0.603	0.610	0.617	0.622	0.627	0.632	0.636	0.640	
	Alagoas	0.364	0.371	0.379	0.386	0.394	0.402	0.410	0.417	0.423	0.429	0.435	0.441	0.446	0.452	0.458	0.464	0.470	0.477	0.485	0.493	0.501	0.509	0.517	0.526	0.533	0.540	0.547	0.552	0.558	0.562	
	Amapa	0.494	0.501	0.508	0.515	0.521	0.528	0.534	0.540	0.545	0.549	0.553	0.557	0.560	0.563	0.566	0.569	0.573	0.578	0.583	0.588	0.594	0.600	0.606	0.612	0.618	0.624	0.629	0.633	0.637	0.641	
	Amazonas	0.459	0.467	0.474	0.481	0.486	0.491	0.495	0.498	0.501	0.503	0.505	0.507	0.510	0.512	0.516	0.520	0.524	0.529	0.534	0.539	0.544	0.549	0.555	0.562	0.569	0.576	0.582	0.588	0.593	0.598	0.602
	Bahia	0.397	0.404	0.409	0.415	0.421	0.426	0.431	0.435	0.440	0.444	0.448	0.452	0.456	0.461	0.466	0.471	0.477	0.483	0.491	0.498	0.505	0.514	0.521	0.529	0.536	0.542	0.548	0.553	0.558	0.562	
	Ceara	0.386	0.392	0.398	0.404	0.410	0.416	0.422	0.428	0.433	0.437	0.442	0.447	0.451	0.454	0.458	0.461	0.466	0.472	0.479	0.486	0.493	0.501	0.510	0.518	0.525	0.533	0.539	0.544	0.549	0.554	
	Distrito Federal	0.587	0.594	0.602	0.610	0.618	0.626	0.634	0.641	0.652	0.661	0.669	0.676	0.683	0.689	0.694	0.704	0.709	0.715	0.720	0.726	0.732	0.739	0.745	0.751	0.756	0.761	0.766	0.770	0.774	0.777	
	Espirito Santo	0.479	0.485	0.491	0.498	0.504	0.511	0.518	0.525	0.531	0.537	0.543	0.548	0.554	0.560	0.566	0.572	0.579	0.586	0.593	0.599	0.607	0.614	0.622	0.629	0.636	0.642	0.647	0.652	0.657	0.660	
	Goiás	0.442	0.449	0.455	0.462	0.469	0.476	0.483	0.490	0.496	0.502	0.508	0.514	0.520	0.526	0.532	0.538	0.545	0.551	0.558	0.565	0.573	0.581	0.588								

	Socio-Demographic Index values for all estimated GBD 2019 locations, 1990-2019																															
	Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	Paraná	0.499	0.504	0.509	0.514	0.519	0.525	0.531	0.537	0.543	0.549	0.555	0.561	0.567	0.573	0.579	0.584	0.590	0.596	0.603	0.609	0.615	0.621	0.628	0.634	0.640	0.645	0.650	0.654	0.659	0.664	
	Remamboco	0.407	0.414	0.419	0.424	0.429	0.434	0.438	0.442	0.446	0.450	0.453	0.457	0.461	0.465	0.470	0.475	0.481	0.488	0.495	0.502	0.510	0.519	0.527	0.536	0.543	0.550	0.556	0.561	0.567	0.571	
	Plaui	0.334	0.340	0.345	0.351	0.357	0.363	0.369	0.375	0.380	0.384	0.388	0.392	0.396	0.400	0.405	0.410	0.416	0.423	0.431	0.439	0.448	0.457	0.466	0.474	0.482	0.489	0.494	0.500	0.505	0.509	
	Rio de Janeiro	0.569	0.574	0.578	0.582	0.586	0.590	0.595	0.600	0.604	0.609	0.613	0.618	0.622	0.626	0.630	0.634	0.639	0.643	0.648	0.653	0.658	0.664	0.670	0.675	0.681	0.686	0.690	0.694	0.698	0.702	
	Rio Grande do Norte	0.402	0.408	0.413	0.419	0.424	0.429	0.434	0.440	0.444	0.449	0.454	0.459	0.464	0.469	0.475	0.481	0.488	0.495	0.503	0.510	0.519	0.527	0.535	0.543	0.551	0.557	0.562	0.567	0.572	0.576	
	Rio Grande do Sul	0.549	0.554	0.558	0.563	0.567	0.572	0.576	0.580	0.584	0.588	0.593	0.597	0.602	0.606	0.611	0.616	0.620	0.626	0.631	0.636	0.642	0.648	0.653	0.659	0.664	0.669	0.673	0.677	0.681	0.684	
	Rondônia	0.430	0.436	0.441	0.446	0.451	0.455	0.460	0.465	0.470	0.474	0.480	0.485	0.490	0.496	0.503	0.509	0.516	0.524	0.531	0.539	0.547	0.556	0.565	0.573	0.580	0.587	0.592	0.598	0.603	0.606	
	Roraima	0.425	0.431	0.437	0.441	0.446	0.452	0.458	0.465	0.471	0.476	0.482	0.488	0.494	0.500	0.506	0.512	0.519	0.526	0.534	0.541	0.550	0.558	0.566	0.575	0.582	0.589	0.595	0.601	0.606	0.610	
	Santa Catarina	0.554	0.544	0.549	0.554	0.559	0.564	0.569	0.574	0.579	0.584	0.589	0.594	0.600	0.605	0.611	0.616	0.622	0.628	0.634	0.640	0.646	0.652	0.659	0.665	0.670	0.676	0.680	0.684	0.688	0.691	
	São Paulo	0.559	0.549	0.554	0.559	0.564	0.569	0.574	0.579	0.584	0.589	0.594	0.599	0.604	0.610	0.615	0.620	0.625	0.630	0.635	0.640	0.645	0.650	0.655	0.660	0.665	0.670	0.675	0.680	0.686	0.690	0.698
	Sergipe	0.424	0.430	0.436	0.441	0.446	0.451	0.456	0.460	0.465	0.469	0.473	0.478	0.483	0.488	0.493	0.498	0.504	0.511	0.518	0.524	0.531	0.538	0.546	0.553	0.560	0.566	0.570	0.575	0.579	0.583	
	Tocantins	0.361	0.366	0.370	0.374	0.378	0.380	0.386	0.393	0.400	0.408	0.415	0.422	0.430	0.438	0.447	0.456	0.465	0.474	0.484	0.494	0.504	0.514	0.524	0.534	0.544	0.552	0.560	0.567	0.573	0.579	0.583
	Paraguay	0.465	0.471	0.477	0.484	0.491	0.498	0.505	0.512	0.519	0.524	0.529	0.534	0.539	0.544	0.549	0.554	0.559	0.564	0.569	0.574	0.579	0.584	0.589	0.594	0.599	0.604	0.608	0.615	0.621	0.627	0.633
	North Africa and Middle East	0.414	0.423	0.432	0.441	0.450	0.460	0.469	0.478	0.487	0.497	0.506	0.515	0.524	0.532	0.541	0.550	0.560	0.569	0.578	0.587	0.595	0.603	0.611	0.619	0.626	0.633	0.640	0.647	0.654	0.660	
	North Africa and Middle East	0.187	0.191	0.195	0.196	0.194	0.194	0.193	0.192	0.190	0.189	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	
	Afghanistan	0.436	0.446	0.456	0.465	0.474	0.483	0.492	0.500	0.509	0.518	0.526	0.534	0.542	0.550	0.558	0.566	0.573	0.580	0.587	0.593	0.599	0.605	0.611	0.617	0.623	0.628	0.634	0.640	0.646	0.652	
	Algeria	0.553	0.560	0.566	0.573	0.580	0.587	0.595	0.602	0.610	0.618	0.626	0.634	0.643	0.653	0.662	0.672	0.680	0.688	0.697	0.705	0.711	0.715	0.720	0.726	0.731	0.735	0.739	0.743	0.747	0.751	
	Bahrain	0.403	0.415	0.426	0.437	0.448	0.459	0.469	0.478	0.487	0.496	0.504	0.512	0.520	0.527	0.535	0.542	0.549	0.557	0.565	0.573	0.582	0.591	0.600	0.609	0.617	0.626	0.635	0.643	0.651	0.658	
	Egypt	0.404	0.419	0.433	0.446	0.457	0.468	0.477	0.486	0.496	0.506	0.517	0.529	0.541	0.552	0.562	0.571	0.581	0.593	0.603	0.613	0.622	0.630	0.635	0.640	0.645	0.649	0.654	0.659	0.665	0.670	
	Iran	0.392	0.397	0.402	0.407	0.412	0.417	0.422	0.427	0.433	0.439	0.446	0.453	0.462	0.475	0.504	0.514	0.525	0.535	0.545	0.558	0.570	0.583	0.597	0.610	0.622	0.632	0.644	0.654	0.663	0.671	
	Iraq	0.520	0.529	0.537	0.546	0.554	0.562	0.570	0.577	0.585	0.592	0.600	0.607	0.614	0.621	0.630	0.639	0.648	0.656	0.664	0.673	0.681	0.688	0.695	0.702	0.707	0.713	0.718	0.724	0.727	0.731	
	Jordan	0.655	0.659	0.662	0.667	0.673	0.680	0.689	0.699	0.709	0.717	0.724	0.729	0.735	0.742	0.750	0.760	0.769	0.777	0.785	0.793	0.801	0.808	0.815	0.822	0.828	0.834	0.839	0.844	0.848	0.851	
	Kuwait	0.462	0.470	0.477	0.485	0.493	0.502	0.511	0.520	0.530	0.540	0.548	0.557	0.565	0.574	0.582	0.591	0.600	0.609	0.618	0.628	0.639	0.649	0.660	0.670	0.677	0.685	0.691	0.698	0.704	0.708	
	Lebanon	0.405	0.422	0.438	0.455	0.472	0.489	0.506	0.522	0.538	0.552	0.566	0.580	0.593	0.606	0.619	0.632	0.645	0.658	0.670	0.681	0.691	0.695	0.703	0.707	0.707	0.707	0.705	0.705	0.707	0.709	
	Libya	0.347	0.354	0.361	0.367	0.374	0.380	0.386	0.392	0.398	0.403	0.409	0.414	0.420	0.426	0.432	0.439	0.445	0.452	0.460	0.467	0.475	0.483	0.491	0.499	0.508	0.516	0.524	0.533	0.541	0.548	
	Morocco	0.441	0.455	0.469	0.485	0.500	0.514	0.528	0.543	0.558	0.573	0.588	0.601	0.615	0.630	0.644	0.653	0.664	0.678	0.692	0.704	0.715	0.726	0.737	0.747	0.754	0.760	0.767	0.773	0.778	0.783	
	Oman	0.314	0.320	0.329	0.337	0.347	0.356	0.365	0.375	0.386	0.397	0.407	0.415	0.422	0.430	0.439	0.449	0.458	0.467	0.476	0.486	0.497	0.509	0.521	0.533	0.543	0.553	0.564	0.573	0.582	0.588	
	Palestine	0.585	0.598	0.610	0.621	0.632	0.643	0.654	0.666	0.676	0.685	0.694	0.703	0.711	0.719	0.727	0.735	0.743	0.750	0.757	0.764	0.772	0.779	0.786	0.793	0.799	0.806	0.812	0.818	0.825	0.830	
	Qatar	0.480	0.491	0.504	0.516	0.529	0.541	0.554	0.566	0.578	0.590	0.602	0.614	0.625	0.637	0.650	0.664	0.677	0.690	0.703	0.715	0.726	0.738	0.750	0.760	0.769	0.778	0.786	0.793	0.800	0.805	
	Saudi Arabia	0.367	0.376	0.387	0.398	0.409	0.421	0.432	0.443	0.454	0.465	0.476	0.486	0.497	0.508	0.521	0.535	0.548	0.560	0.572	0.583	0.594	0.601	0.605	0.606	0.607	0.608	0.610	0.613	0.616	0.619	
	Sudan	0.227	0.234	0.241	0.248	0.256	0.263	0.271	0.280	0.289	0.298	0.308	0.318	0.327	0.337	0.348	0.358	0.370	0.381	0.393	0.404	0.416	0.428	0.440	0.451	0.462	0.474	0.485	0.497	0.507	0.515	
	Syria	0.434	0.444	0.455	0.466	0.476	0.487	0.498	0.508	0.518	0.528	0.538	0.548	0.556	0.565	0.574	0.582	0.591	0.599	0.607	0.614	0.622	0.628	0.634	0.640	0.646	0.651	0.657	0.662	0.667	0.672	
	Tunisia	0.473	0.483	0.493	0.504	0.513	0.523	0.534	0.545	0.556	0.566	0.577	0.587	0.597	0.607	0.619	0.630	0.641	0.652	0.663	0.671	0.680	0.689	0.698	0.707	0.715	0.723	0.729	0.736	0.743	0.748	
	Turkey	0.621	0.637	0.653	0.669	0.685	0.700	0.714	0.727	0.740	0.751	0.762	0.773	0.783	0.792	0.801	0.810	0.819	0.829	0.838	0.846	0.853	0.859	0.863	0.868	0.870	0.872	0.874	0.876	0.879	0.880	
	United Arab Emirates	0.176	0.183	0.191	0.198	0.207	0.215	0.224	0.234	0.243	0.253	0.263	0.273	0.283	0.293	0.303	0.314	0.325	0.335	0.346	0.356	0.366	0.375	0.384	0.393	0.402	0.407	0.410	0.412	0.413	0.412	
	Yemen	0.313	0.319	0.325	0.331	0.337	0.344	0.351	0.357	0.364	0.371	0.378	0.385	0.391	0.398	0.405	0.413	0.421	0.430	0.438	0.447	0.456	0.465	0.475	0.485	0.495	0.505	0.515	0.525	0.535	0.543	
	South Asia	0.267	0.275	0.283	0.290	0.297	0.304	0.311	0.317	0.324	0.330	0.336	0.343	0.349	0.355	0.362	0.369	0.376	0.384	0.392	0.400	0.408	0.416	0.425	0.433	0.441	0.449	0.457	0.466	0.475	0.483	
	South Asia	0.313	0.319	0.325	0.331	0.337	0.344	0.351	0.357	0.364	0.371	0.378	0.385	0.391	0.398	0.405	0.4															

Socio-Demographic Index values for all estimated GBD 2019 locations, 1990-2019

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Goa	0.502	0.509	0.516	0.524	0.531	0.539	0.547	0.555	0.563	0.571	0.579	0.586	0.592	0.599	0.607	0.614	0.622	0.631	0.639	0.647	0.655	0.663	0.669	0.676	0.682	0.689	0.697	0.704	0.711	0.718
Gujarat	0.364	0.369	0.375	0.382	0.389	0.397	0.405	0.414	0.423	0.431	0.438	0.445	0.450	0.456	0.462	0.470	0.478	0.487	0.496	0.505	0.515	0.524	0.534	0.545	0.557	0.569	0.580	0.591	0.601	0.609
Haryana	0.355	0.360	0.366	0.372	0.378	0.384	0.391	0.398	0.405	0.412	0.419	0.426	0.433	0.439	0.447	0.455	0.463	0.473	0.483	0.494	0.506	0.518	0.530	0.542	0.555	0.567	0.579	0.590	0.601	0.609
Himachal Pradesh	0.346	0.354	0.362	0.371	0.381	0.391	0.402	0.412	0.423	0.435	0.446	0.457	0.466	0.476	0.485	0.495	0.505	0.514	0.524	0.534	0.544	0.555	0.566	0.577	0.588	0.599	0.610	0.620	0.630	0.638
Jammu and Kashmir	0.343	0.348	0.353	0.360	0.366	0.373	0.381	0.389	0.399	0.408	0.418	0.429	0.439	0.449	0.459	0.469	0.479	0.489	0.498	0.508	0.518	0.529	0.539	0.549	0.558	0.568	0.578	0.587	0.596	0.605
Jharkhand	0.263	0.269	0.276	0.282	0.288	0.294	0.300	0.307	0.313	0.320	0.327	0.334	0.341	0.348	0.356	0.365	0.374	0.384	0.394	0.404	0.415	0.426	0.437	0.448	0.460	0.470	0.481	0.491	0.501	0.510
Karnataka	0.335	0.343	0.351	0.359	0.367	0.375	0.383	0.391	0.399	0.407	0.415	0.422	0.429	0.436	0.443	0.451	0.459	0.468	0.477	0.486	0.496	0.506	0.518	0.529	0.541	0.554	0.566	0.578	0.589	0.598
Kerala	0.430	0.437	0.444	0.451	0.458	0.465	0.472	0.480	0.489	0.498	0.507	0.515	0.522	0.530	0.539	0.547	0.556	0.564	0.571	0.579	0.587	0.595	0.604	0.614	0.625	0.636	0.646	0.655	0.664	0.671
Madhya Pradesh	0.296	0.301	0.305	0.309	0.313	0.317	0.321	0.326	0.330	0.336	0.342	0.348	0.353	0.359	0.364	0.370	0.376	0.382	0.389	0.397	0.405	0.415	0.425	0.436	0.448	0.460	0.472	0.484	0.495	0.505
Maharashtra	0.373	0.381	0.388	0.396	0.404	0.412	0.420	0.428	0.436	0.444	0.451	0.459	0.466	0.474	0.482	0.490	0.499	0.509	0.517	0.526	0.536	0.545	0.555	0.566	0.576	0.587	0.599	0.609	0.619	0.628
Manipur	0.389	0.396	0.403	0.409	0.416	0.422	0.429	0.436	0.444	0.452	0.459	0.467	0.474	0.480	0.487	0.494	0.501	0.508	0.514	0.521	0.527	0.534	0.541	0.548	0.556	0.564	0.572	0.580	0.588	0.595
Meghalaya	0.332	0.339	0.346	0.353	0.360	0.367	0.374	0.382	0.389	0.397	0.405	0.413	0.421	0.428	0.436	0.444	0.453	0.462	0.470	0.479	0.488	0.497	0.506	0.515	0.523	0.532	0.540	0.549	0.557	0.564
Mizoram	0.405	0.412	0.419	0.426	0.432	0.439	0.445	0.451	0.458	0.464	0.471	0.478	0.484	0.490	0.495	0.501	0.507	0.514	0.520	0.527	0.535	0.543	0.552	0.561	0.571	0.582	0.592	0.603	0.612	0.621
Nagaland	0.394	0.402	0.409	0.417	0.425	0.432	0.440	0.447	0.453	0.460	0.467	0.474	0.481	0.489	0.496	0.504	0.512	0.520	0.528	0.536	0.544	0.551	0.559	0.567	0.576	0.584	0.593	0.602	0.610	0.618
Odisha	0.297	0.301	0.307	0.312	0.318	0.325	0.332	0.339	0.346	0.355	0.362	0.370	0.377	0.386	0.393	0.403	0.413	0.423	0.433	0.442	0.452	0.462	0.472	0.482	0.493	0.504	0.514	0.524	0.534	0.542
Punjab	0.397	0.402	0.408	0.414	0.421	0.428	0.436	0.443	0.450	0.458	0.465	0.472	0.479	0.486	0.493	0.501	0.510	0.518	0.527	0.535	0.544	0.553	0.561	0.570	0.580	0.589	0.598	0.607	0.615	0.623
Rajasthan	0.261	0.267	0.273	0.279	0.286	0.293	0.300	0.307	0.314	0.322	0.330	0.337	0.344	0.351	0.358	0.366	0.374	0.384	0.393	0.403	0.415	0.427	0.439	0.451	0.464	0.476	0.489	0.501	0.512	0.521
Sikkim	0.336	0.344	0.352	0.360	0.369	0.378	0.387	0.396	0.406	0.416	0.425	0.435	0.445	0.454	0.463	0.473	0.484	0.495	0.507	0.520	0.535	0.550	0.564	0.577	0.589	0.601	0.612	0.622	0.632	0.640
Tamil Nadu	0.374	0.380	0.386	0.392	0.399	0.406	0.414	0.421	0.429	0.437	0.445	0.453	0.460	0.468	0.476	0.485	0.493	0.502	0.511	0.519	0.528	0.538	0.548	0.558	0.570	0.582	0.593	0.603	0.613	0.621
Telangana	0.297	0.304	0.311	0.319	0.326	0.334	0.342	0.350	0.358	0.366	0.374	0.383	0.390	0.398	0.407	0.415	0.425	0.435	0.445	0.456	0.467	0.479	0.491	0.503	0.516	0.528	0.540	0.552	0.563	0.572
Tripura	0.443	0.450	0.456	0.463	0.469	0.477	0.484	0.490	0.497	0.504	0.514	0.523	0.532	0.541	0.549	0.553	0.560	0.568	0.577	0.585	0.593	0.601	0.609	0.617	0.625	0.633	0.641	0.649	0.657	0.664
Union Territories other than Delhi	0.274	0.279	0.284	0.290	0.295	0.301	0.307	0.314	0.320	0.327	0.334	0.341	0.348	0.355	0.362	0.370	0.379	0.388	0.397	0.407	0.417	0.428	0.439	0.450	0.461	0.472	0.483	0.494	0.505	0.513
Utter Pradesh	0.309	0.315	0.321	0.328	0.334	0.341	0.349	0.357	0.365	0.375	0.385	0.396	0.408	0.419	0.431	0.444	0.458	0.472	0.487	0.501	0.516	0.531	0.545	0.559	0.572	0.585	0.597	0.608	0.619	0.628
West Bengal	0.342	0.347	0.352	0.358	0.363	0.369	0.375	0.382	0.388	0.395	0.402	0.409	0.415	0.421	0.427	0.434	0.441	0.448	0.455	0.462	0.469	0.476	0.484	0.491	0.500	0.509	0.518	0.528	0.537	0.545
Nepal	0.198	0.203	0.208	0.215	0.221	0.228	0.236	0.244	0.251	0.259	0.267	0.276	0.284	0.292	0.299	0.307	0.315	0.322	0.330	0.339	0.347	0.356	0.365	0.373	0.382	0.391	0.399	0.408	0.416	0.422
Pakistan	0.247	0.253	0.259	0.265	0.271	0.277	0.283	0.289	0.295	0.301	0.307	0.313	0.320	0.326	0.333	0.340	0.347	0.355	0.363	0.371	0.379	0.387	0.394	0.402	0.410	0.418	0.426	0.434	0.442	0.449
Southeast Asia, east Asia, and Oceania	0.452	0.460	0.468	0.476	0.485	0.494	0.503	0.511	0.519	0.526	0.533	0.541	0.548	0.556	0.563	0.571	0.580	0.589	0.597	0.605	0.614	0.622	0.629	0.636	0.643	0.647	0.651	0.659	0.667	0.673
East Asia	0.447	0.456	0.464	0.473	0.483	0.492	0.502	0.511	0.520	0.528	0.537	0.545	0.554	0.562	0.571	0.580	0.590	0.600	0.609	0.618	0.628	0.637	0.644	0.652	0.660	0.668	0.675	0.684	0.691	0.699
China	0.433	0.441	0.450	0.459	0.469	0.479	0.489	0.499	0.508	0.516	0.525	0.534	0.543	0.552	0.561	0.571	0.581	0.591	0.601	0.611	0.621	0.631	0.638	0.646	0.654	0.657	0.659	0.669	0.679	0.686
North Korea	0.431	0.436	0.439	0.442	0.445	0.447	0.450	0.451	0.452	0.455	0.458	0.463	0.467	0.473	0.478	0.485	0.490	0.496	0.502	0.507	0.513	0.518	0.523	0.528	0.534	0.538	0.543	0.548	0.553	0.558
Taiwan (province of China)	0.667	0.678	0.685	0.694	0.702	0.711	0.719	0.731	0.743	0.747	0.754	0.763	0.772	0.779	0.787	0.795	0.802	0.810	0.817	0.824	0.830	0.833	0.838	0.843	0.848	0.852	0.856	0.860	0.865	0.868
Oceania	0.383	0.385	0.388	0.391	0.394	0.397	0.400	0.403	0.405	0.408	0.410	0.412	0.413	0.414	0.416	0.417	0.419	0.421	0.422	0.424	0.426	0.428	0.431	0.433	0.436	0.440	0.443	0.446	0.449	0.452
American Samoa	0.606	0.609	0.613	0.616	0.619	0.623	0.627	0.630	0.634	0.637	0.641	0.645	0.649	0.652	0.656	0.660	0.663	0.667	0.671	0.674	0.678	0.682	0.686	0.690	0.694	0.698	0.702	0.706	0.709	0.712
Cook Islands	0.625	0.631	0.637	0.643	0.649	0.654	0.659	0.663	0.667	0.671	0.676	0.682	0.687	0.692	0.697	0.701	0.706	0.711	0.715	0.719	0.722	0.726	0.730	0.734	0.739	0.744	0.750	0.755	0.760	0.764
Fiji	0.527	0.532	0.538	0.544	0.550	0.555	0.561	0.567	0.572	0.577	0.582	0.587	0.592	0.596	0.601	0.605	0.609	0.612	0.616	0.619	0.622	0.626	0.630	0.635	0.639	0.644	0.649	0.654	0.659	0.664
Guam	0.693	0.688	0.684	0.684	0.688	0.695	0.704	0.715	0.728	0.741	0.753	0.762	0.767	0.768	0.770	0.771	0.773	0.775	0.778	0.782	0.785	0.789	0.792	0.795	0.797	0.799	0.803	0.807	0.810	0.813
Kiribati	0.425	0.427	0.429	0.432	0.435	0.438	0.441	0.444	0.447	0.450	0.455	0.459	0.463	0.468	0.472	0.476	0.480	0.484	0.487	0.490	0.492	0.495	0.497	0.501	0.504	0.509	0.514	0.518	0.523	0.527
Marshall Islands	0.398	0.404	0.410	0.416	0.423	0.430	0.435	0.439	0.442	0.446	0.450	0.454	0.458	0.463	0.467	0.472	0.477	0.482	0.487	0.493	0.498	0.504	0.509	0.515	0.520	0.525	0.531	0.53		

Socio-Demographic Index values for all estimated GBD 2019 locations, 1990-2019																															
Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Tokelau	0.427	0.432	0.438	0.444	0.450	0.456	0.463	0.470	0.477	0.484	0.491	0.498	0.504	0.511	0.519	0.526	0.534	0.542	0.550	0.557	0.565	0.573	0.580	0.588	0.595	0.602	0.608	0.615	0.621	0.628	
Tonga	0.510	0.517	0.522	0.527	0.533	0.538	0.543	0.547	0.551	0.555	0.559	0.563	0.568	0.572	0.576	0.580	0.583	0.587	0.590	0.594	0.598	0.602	0.606	0.610	0.614	0.618	0.622	0.627	0.632	0.637	
Tuvalu	0.426	0.434	0.442	0.450	0.458	0.465	0.470	0.476	0.483	0.490	0.496	0.502	0.509	0.514	0.519	0.523	0.527	0.531	0.537	0.541	0.545	0.549	0.553	0.558	0.562	0.567	0.573	0.579	0.584	0.589	
Vanuatu	0.361	0.365	0.369	0.373	0.377	0.381	0.386	0.390	0.395	0.399	0.403	0.407	0.410	0.413	0.417	0.420	0.425	0.430	0.435	0.440	0.446	0.451	0.455	0.460	0.464	0.468	0.473	0.477	0.481	0.485	
South Asia	0.455	0.463	0.471	0.479	0.488	0.496	0.504	0.512	0.517	0.523	0.528	0.533	0.538	0.543	0.548	0.554	0.559	0.566	0.572	0.578	0.585	0.592	0.599	0.606	0.612	0.619	0.626	0.632	0.639	0.644	
Cambodia	0.266	0.272	0.277	0.282	0.286	0.291	0.296	0.301	0.307	0.313	0.321	0.328	0.337	0.345	0.354	0.363	0.373	0.382	0.391	0.399	0.406	0.413	0.421	0.428	0.435	0.442	0.449	0.456	0.463	0.469	
Indonesia	0.452	0.462	0.472	0.481	0.490	0.499	0.508	0.516	0.522	0.527	0.533	0.537	0.542	0.547	0.552	0.558	0.564	0.571	0.578	0.585	0.593	0.601	0.609	0.617	0.625	0.633	0.640	0.647	0.654	0.660	
Aceh	0.482	0.493	0.502	0.512	0.521	0.529	0.537	0.544	0.550	0.554	0.559	0.563	0.567	0.572	0.577	0.582	0.587	0.592	0.598	0.603	0.608	0.614	0.620	0.626	0.633	0.640	0.646	0.653	0.660	0.666	
Bali	0.443	0.454	0.465	0.475	0.485	0.495	0.505	0.513	0.519	0.524	0.528	0.532	0.537	0.541	0.545	0.550	0.555	0.561	0.567	0.574	0.582	0.590	0.598	0.606	0.613	0.621	0.628	0.635	0.642	0.648	
Bangka-Beritung Islands	0.442	0.452	0.461	0.471	0.480	0.489	0.498	0.506	0.512	0.517	0.522	0.527	0.532	0.537	0.542	0.547	0.553	0.560	0.567	0.574	0.581	0.589	0.597	0.604	0.612	0.619	0.627	0.634	0.641	0.647	
Banten	0.452	0.462	0.471	0.481	0.490	0.499	0.508	0.516	0.521	0.526	0.533	0.539	0.546	0.553	0.560	0.567	0.575	0.583	0.591	0.599	0.606	0.614	0.621	0.629	0.636	0.643	0.650	0.657	0.664	0.671	
Bengkulu	0.405	0.416	0.427	0.437	0.448	0.458	0.468	0.477	0.483	0.488	0.492	0.496	0.500	0.505	0.509	0.515	0.520	0.527	0.534	0.542	0.550	0.558	0.567	0.575	0.583	0.591	0.599	0.606	0.614	0.621	0.629
Gorontalo	0.367	0.376	0.385	0.393	0.402	0.411	0.419	0.427	0.432	0.436	0.439	0.442	0.446	0.449	0.453	0.458	0.464	0.470	0.478	0.487	0.496	0.505	0.514	0.523	0.532	0.540	0.548	0.555	0.563	0.569	0.579
Jakarta	0.581	0.591	0.602	0.612	0.623	0.633	0.643	0.652	0.659	0.665	0.671	0.677	0.683	0.690	0.696	0.703	0.709	0.716	0.724	0.732	0.740	0.748	0.756	0.764	0.771	0.778	0.785	0.791	0.797	0.802	
Jambi	0.422	0.432	0.442	0.452	0.462	0.471	0.481	0.489	0.495	0.501	0.505	0.510	0.515	0.520	0.525	0.531	0.538	0.545	0.554	0.562	0.571	0.581	0.590	0.598	0.606	0.614	0.621	0.628	0.635	0.641	
Central Java	0.446	0.456	0.466	0.475	0.485	0.494	0.503	0.511	0.517	0.521	0.526	0.530	0.534	0.538	0.542	0.547	0.553	0.559	0.567	0.574	0.582	0.590	0.598	0.606	0.614	0.621	0.629	0.636	0.643	0.648	
East Java	0.415	0.424	0.433	0.442	0.450	0.459	0.467	0.474	0.480	0.484	0.488	0.492	0.496	0.501	0.506	0.511	0.518	0.524	0.532	0.539	0.547	0.555	0.563	0.571	0.579	0.586	0.593	0.600	0.607	0.613	0.620
West Kalimantan	0.389	0.400	0.410	0.421	0.431	0.441	0.452	0.461	0.468	0.473	0.479	0.483	0.488	0.492	0.497	0.502	0.507	0.513	0.519	0.525	0.532	0.540	0.548	0.555	0.563	0.570	0.578	0.585	0.592	0.598	
Central Kalimantan	0.438	0.447	0.457	0.467	0.477	0.486	0.495	0.504	0.510	0.515	0.519	0.524	0.528	0.532	0.537	0.541	0.546	0.552	0.558	0.564	0.571	0.579	0.586	0.594	0.601	0.609	0.616	0.623	0.630	0.636	
East Kalimantan	0.563	0.573	0.582	0.590	0.598	0.606	0.614	0.621	0.627	0.632	0.637	0.642	0.646	0.651	0.656	0.662	0.667	0.674	0.681	0.688	0.695	0.703	0.711	0.719	0.727	0.734	0.742	0.750	0.758	0.766	
North Kalimantan	0.513	0.523	0.533	0.542	0.551	0.561	0.570	0.580	0.588	0.595	0.603	0.611	0.619	0.627	0.635	0.644	0.653	0.662	0.671	0.680	0.689	0.698	0.707	0.715	0.723	0.731	0.738	0.745	0.752	0.758	0.765
Riau Islands	0.561	0.570	0.580	0.589	0.598	0.607	0.615	0.623	0.629	0.634	0.638	0.641	0.644	0.647	0.652	0.656	0.661	0.667	0.673	0.680	0.687	0.695	0.702	0.709	0.717	0.724	0.731	0.737	0.743	0.749	0.755
Lampung	0.394	0.404	0.414	0.423	0.433	0.444	0.454	0.463	0.470	0.476	0.482	0.487	0.492	0.497	0.502	0.507	0.513	0.520	0.528	0.537	0.546	0.556	0.565	0.574	0.582	0.590	0.598	0.605	0.612	0.617	0.622
Maluku	0.479	0.487	0.495	0.503	0.510	0.516	0.522	0.526	0.527	0.526	0.523	0.519	0.514	0.509	0.503	0.498	0.494	0.493	0.494	0.498	0.498	0.503	0.511	0.527	0.535	0.544	0.552	0.560	0.568	0.575	0.582
North Maluku	0.376	0.385	0.394	0.403	0.412	0.422	0.432	0.441	0.446	0.450	0.454	0.457	0.460	0.462	0.465	0.468	0.473	0.479	0.487	0.497	0.505	0.513	0.522	0.530	0.538	0.546	0.554	0.561	0.568	0.575	0.582
West Nusa Tenggara	0.341	0.351	0.361	0.372	0.383	0.394	0.405	0.415	0.424	0.432	0.440	0.445	0.452	0.459	0.467	0.474	0.482	0.489	0.497	0.505	0.513	0.522	0.530	0.538	0.546	0.554	0.561	0.568	0.575	0.582	0.589
East Nusa Tenggara	0.367	0.374	0.382	0.390	0.398	0.406	0.414	0.421	0.424	0.427	0.429	0.432	0.435	0.437	0.441	0.444	0.448	0.453	0.459	0.465	0.472	0.480	0.488	0.497	0.505	0.513	0.521	0.529	0.537	0.545	0.552
Papua	0.453	0.461	0.470	0.478	0.486	0.495	0.503	0.510	0.516	0.520	0.524	0.527	0.529	0.531	0.533	0.536	0.539	0.542	0.547	0.553	0.559	0.567	0.575	0.583	0.591	0.599	0.607	0.615	0.623	0.629	
West Papua	0.443	0.452	0.461	0.470	0.478	0.487	0.495	0.503	0.508	0.512	0.516	0.520	0.524	0.528	0.532	0.537	0.543	0.550	0.559	0.569	0.580	0.593	0.604	0.615	0.625	0.634	0.643	0.652	0.660	0.666	
Riau	0.524	0.535	0.545	0.555	0.564	0.572	0.580	0.588	0.594	0.599	0.605	0.611	0.617	0.622	0.627	0.632	0.637	0.643	0.649	0.656	0.663	0.670	0.678	0.685	0.693	0.700	0.707	0.714	0.721	0.727	0.733
West Sulawesi	0.371	0.380	0.388	0.397	0.405	0.413	0.421	0.428	0.433	0.437	0.440	0.444	0.447	0.450	0.454	0.458	0.463	0.470	0.477	0.486	0.495	0.505	0.515	0.524	0.533	0.542	0.550	0.558	0.566	0.573	0.580
South Sulawesi	0.409	0.419	0.428	0.437	0.446	0.455	0.465	0.473	0.479	0.485	0.490	0.495	0.501	0.506	0.511	0.517	0.523	0.530	0.537	0.545	0.554	0.564	0.573	0.581	0.590	0.598	0.605	0.613	0.620	0.626	0.632
Central Sulawesi	0.406	0.416	0.425	0.435	0.445	0.455	0.465	0.475	0.482	0.488	0.494	0.499	0.505	0.510	0.516	0.521	0.527	0.534	0.541	0.549	0.557	0.566	0.575	0.583	0.592	0.600	0.608	0.615	0.622	0.628	0.634
Southeast Sulawesi	0.373	0.384	0.394	0.404	0.414	0.423	0.433	0.443	0.450	0.456	0.462	0.468	0.473	0.479	0.486	0.493	0.500	0.508	0.517	0.526	0.536	0.546	0.556	0.565	0.574	0.582	0.590	0.598	0.606	0.612	0.618
North Sulawesi	0.473	0.483	0.492	0.501	0.510	0.520	0.529	0.538	0.543	0.548	0.551	0.555	0.558	0.561	0.565	0.568	0.573	0.578	0.585	0.592	0.600	0.608	0.615	0.623	0.631	0.638	0.645	0.652	0.658	0.664	0.669
West Sumatra	0.462	0.470	0.479	0.488	0.497	0.506	0.515	0.523	0.529	0.534	0.539	0.543	0.548	0.553	0.558	0.563	0.568	0.573	0.578	0.585	0.592	0.600	0.608	0.615	0.623	0.631	0.638	0.645	0.652	0.658	0.664
North Sumatra	0.455	0.464	0.473	0.482	0.490	0.498	0.507	0.514	0.520	0.524	0.529	0.534	0.538	0.543	0.548	0.554	0.560	0.567	0.574	0.582	0.590	0.598	0.607	0.615	0.622	0.630	0.637	0.644	0.651	0.657	0.663
South Sumatra	0.468	0.477	0.486	0.495	0.504	0.512	0.521	0.529	0.534	0.539	0.544	0.548	0.553																		

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Seychelles	0.567	0.576	0.584	0.592	0.600	0.607	0.614	0.621	0.629	0.636	0.642	0.647	0.652	0.656	0.659	0.662	0.666	0.670	0.673	0.676	0.679	0.683	0.687	0.691	0.696	0.702	0.707	0.713	0.719	0.724
Sri Lanka	0.504	0.511	0.518	0.525	0.532	0.539	0.547	0.554	0.561	0.567	0.573	0.578	0.582	0.587	0.592	0.597	0.602	0.609	0.615	0.621	0.628	0.636	0.644	0.651	0.658	0.666	0.672	0.678	0.684	0.690
Thailand	0.508	0.518	0.527	0.536	0.544	0.553	0.562	0.569	0.574	0.578	0.583	0.589	0.594	0.599	0.605	0.610	0.616	0.623	0.629	0.633	0.638	0.643	0.649	0.655	0.660	0.666	0.671	0.676	0.682	0.687
Timor-Leste	0.274	0.280	0.286	0.293	0.300	0.308	0.317	0.326	0.334	0.339	0.345	0.352	0.358	0.364	0.371	0.388	0.406	0.421	0.436	0.448	0.469	0.480	0.498	0.515	0.531	0.549	0.568	0.588	0.611	0.617
Vietnam	0.390	0.397	0.404	0.412	0.420	0.429	0.438	0.447	0.455	0.463	0.471	0.478	0.486	0.493	0.504	0.509	0.517	0.525	0.533	0.541	0.549	0.558	0.566	0.573	0.581	0.589	0.596	0.604	0.611	0.617
Sub-Saharan Africa	0.291	0.295	0.299	0.302	0.306	0.309	0.314	0.318	0.322	0.327	0.331	0.336	0.341	0.346	0.352	0.359	0.365	0.372	0.380	0.386	0.394	0.401	0.409	0.416	0.423	0.431	0.438	0.445	0.452	0.456
Central sub-Saharan Africa	0.269	0.273	0.276	0.279	0.281	0.283	0.286	0.289	0.292	0.295	0.298	0.302	0.308	0.313	0.320	0.328	0.336	0.346	0.357	0.367	0.378	0.389	0.400	0.412	0.423	0.434	0.445	0.454	0.463	0.470
Angola	0.238	0.243	0.247	0.250	0.253	0.257	0.262	0.267	0.273	0.278	0.283	0.289	0.296	0.303	0.311	0.319	0.330	0.341	0.353	0.364	0.376	0.387	0.398	0.410	0.421	0.432	0.443	0.454	0.463	0.470
Central African Republic	0.186	0.190	0.193	0.196	0.199	0.202	0.205	0.208	0.211	0.215	0.218	0.221	0.225	0.227	0.230	0.233	0.236	0.240	0.244	0.248	0.253	0.258	0.263	0.268	0.276	0.285	0.296	0.306	0.316	0.324
Congo (Brazzaville)	0.364	0.373	0.381	0.389	0.396	0.403	0.410	0.416	0.421	0.426	0.431	0.437	0.442	0.447	0.452	0.458	0.464	0.469	0.475	0.482	0.489	0.491	0.500	0.509	0.519	0.528	0.538	0.547	0.556	0.568
DR Congo	0.260	0.262	0.263	0.263	0.262	0.261	0.259	0.256	0.253	0.250	0.246	0.243	0.240	0.238	0.236	0.234	0.232	0.229	0.225	0.221	0.217	0.213	0.209	0.205	0.201	0.197	0.193	0.189	0.185	0.182
Equatorial Guinea	0.260	0.262	0.263	0.263	0.262	0.261	0.259	0.256	0.253	0.250	0.246	0.243	0.240	0.238	0.236	0.234	0.232	0.229	0.225	0.221	0.217	0.213	0.209	0.205	0.201	0.197	0.193	0.189	0.185	0.182
Gabon	0.388	0.399	0.409	0.420	0.431	0.442	0.453	0.463	0.474	0.483	0.493	0.502	0.510	0.519	0.528	0.537	0.546	0.554	0.563	0.570	0.579	0.587	0.596	0.605	0.614	0.623	0.632	0.641	0.649	0.656
Eastern sub-Saharan Africa	0.235	0.239	0.242	0.245	0.249	0.252	0.257	0.261	0.265	0.270	0.275	0.280	0.285	0.290	0.295	0.301	0.307	0.314	0.321	0.328	0.336	0.343	0.351	0.359	0.367	0.375	0.383	0.391	0.399	0.405
Burundi	0.198	0.201	0.204	0.207	0.209	0.210	0.210	0.211	0.212	0.213	0.213	0.214	0.216	0.218	0.220	0.223	0.226	0.230	0.234	0.238	0.243	0.248	0.254	0.260	0.266	0.270	0.274	0.278	0.282	0.284
Comoros	0.274	0.281	0.288	0.296	0.302	0.309	0.315	0.322	0.328	0.334	0.340	0.346	0.353	0.359	0.365	0.371	0.378	0.384	0.390	0.396	0.401	0.407	0.413	0.419	0.426	0.432	0.438	0.444	0.450	0.458
Djibouti	0.275	0.277	0.280	0.285	0.289	0.293	0.297	0.302	0.306	0.311	0.317	0.322	0.327	0.332	0.339	0.345	0.353	0.360	0.368	0.376	0.384	0.392	0.400	0.408	0.416	0.425	0.434	0.443	0.452	0.459
Eritrea	0.198	0.203	0.210	0.218	0.228	0.238	0.248	0.258	0.267	0.275	0.283	0.290	0.296	0.302	0.307	0.312	0.317	0.322	0.326	0.330	0.336	0.340	0.346	0.353	0.360	0.367	0.375	0.382	0.390	0.396
Ethiopia	0.144	0.146	0.147	0.149	0.151	0.153	0.157	0.161	0.164	0.167	0.171	0.176	0.180	0.183	0.189	0.195	0.203	0.213	0.223	0.233	0.244	0.256	0.268	0.279	0.291	0.302	0.313	0.324	0.334	0.343
Kenya	0.333	0.341	0.348	0.354	0.360	0.366	0.372	0.378	0.383	0.388	0.392	0.397	0.401	0.404	0.409	0.413	0.418	0.424	0.429	0.435	0.441	0.448	0.455	0.463	0.470	0.478	0.486	0.494	0.502	0.508
Barrigo	0.248	0.257	0.266	0.274	0.283	0.291	0.299	0.307	0.315	0.322	0.329	0.335	0.341	0.348	0.353	0.359	0.365	0.372	0.378	0.384	0.392	0.400	0.408	0.415	0.426	0.436	0.447	0.457	0.468	0.476
Bombeta	0.270	0.280	0.289	0.296	0.302	0.308	0.314	0.320	0.325	0.332	0.338	0.342	0.346	0.350	0.355	0.360	0.366	0.373	0.380	0.387	0.395	0.404	0.413	0.423	0.433	0.444	0.454	0.465	0.475	0.483
Bungoma	0.281	0.289	0.296	0.302	0.308	0.314	0.320	0.325	0.332	0.339	0.344	0.349	0.354	0.359	0.365	0.370	0.376	0.383	0.390	0.397	0.405	0.413	0.423	0.433	0.444	0.454	0.465	0.475	0.483	0.491
Busia	0.256	0.263	0.269	0.275	0.282	0.288	0.294	0.299	0.305	0.310	0.315	0.320	0.325	0.329	0.334	0.339	0.345	0.351	0.356	0.363	0.370	0.378	0.387	0.396	0.405	0.415	0.425	0.435	0.445	0.453
Elgeyo Marakwet	0.264	0.273	0.280	0.288	0.295	0.302	0.308	0.315	0.321	0.327	0.333	0.339	0.344	0.350	0.356	0.363	0.371	0.379	0.387	0.396	0.406	0.416	0.426	0.437	0.449	0.460	0.471	0.483	0.494	0.503
Embu	0.377	0.385	0.392	0.398	0.404	0.409	0.415	0.419	0.424	0.429	0.433	0.437	0.440	0.444	0.447	0.451	0.456	0.461	0.466	0.471	0.478	0.485	0.492	0.500	0.508	0.516	0.525	0.534	0.542	0.550
Eldaya	0.187	0.192	0.195	0.199	0.203	0.207	0.211	0.215	0.218	0.221	0.224	0.227	0.230	0.233	0.235	0.239	0.242	0.246	0.250	0.255	0.259	0.264	0.269	0.275	0.281	0.287	0.293	0.299	0.305	0.310
Garissa	0.209	0.215	0.222	0.229	0.236	0.243	0.250	0.257	0.264	0.271	0.277	0.283	0.289	0.295	0.301	0.307	0.314	0.322	0.330	0.338	0.348	0.358	0.369	0.381	0.393	0.405	0.418	0.431	0.443	0.452
Homa Bay	0.241	0.246	0.252	0.257	0.263	0.268	0.273	0.278	0.283	0.289	0.293	0.298	0.303	0.307	0.311	0.315	0.320	0.324	0.329	0.333	0.339	0.346	0.353	0.361	0.369	0.378	0.387	0.396	0.405	0.413
Isiolo	0.359	0.367	0.374	0.382	0.388	0.395	0.401	0.407	0.413	0.419	0.423	0.428	0.433	0.437	0.441	0.446	0.452	0.459	0.465	0.472	0.480	0.489	0.498	0.507	0.516	0.526	0.536	0.545	0.555	0.563
Kakamega	0.281	0.288	0.295	0.301	0.307	0.313	0.319	0.325	0.330	0.336	0.341	0.347	0.351	0.356	0.361	0.367	0.373	0.379	0.386	0.393	0.401	0.410	0.419	0.429	0.439	0.449	0.460	0.470	0.481	0.489
Kariakoo	0.243	0.252	0.261	0.269	0.278	0.286	0.294	0.302	0.310	0.318	0.326	0.333	0.341	0.348	0.356	0.363	0.372	0.381	0.389	0.398	0.408	0.419	0.430	0.441	0.453	0.465	0.477	0.489	0.501	0.509
Kericho	0.425	0.434	0.441	0.447	0.453	0.459	0.465	0.470	0.474	0.479	0.483	0.488	0.492	0.496	0.500	0.505	0.511	0.518	0.524	0.531	0.538	0.546	0.554	0.562	0.570	0.578	0.586	0.594	0.602	0.609
Kisumu	0.292	0.299	0.306	0.312	0.319	0.325	0.331	0.337	0.343	0.349	0.353	0.357	0.362	0.366	0.370	0.375	0.380	0.386	0.392	0.399	0.407	0.415	0.424	0.433	0.443	0.453	0.463	0.474	0.484	0.492
Kirinyaga	0.372	0.380	0.387	0.393	0.399	0.404	0.410	0.414	0.419	0.423	0.428	0.432	0.436	0.440	0.444	0.449	0.454	0.460	0.465	0.471	0.477	0.484	0.491	0.499	0.506	0.514	0.523	0.531	0.539	0.546
Kisii	0.343	0.353	0.362	0.369	0.377	0.384	0.391	0.397	0.402	0.407	0.412	0.416	0.420	0.424	0.428	0.433	0.438	0.445	0.452	0.459	0.468	0.477	0.487	0.497	0.507	0.518	0.528	0.539	0.549	0.557
Kisumu	0.333	0.341	0.349	0.356	0.363	0.370	0.376	0.382	0.388	0.394	0.400	0.405	0.410	0.415	0.420	0.426	0.432	0.440	0.448	0.456	0.465	0.475	0.485	0.496	0.507	0.518	0.529	0.540	0.551	0.559
Kitui	0.266	0.273	0.280	0.286	0.293	0.299	0.305	0.311	0.317	0.323	0.327	0.333	0.338	0.344	0.348	0.353	0.359	0.366	0.372	0.378	0.383	0.388	0.396	0.405	0.415	0.425	0.435	0.446	0.466	0.474
Kwale	0.284	0.292	0.298	0.305	0.311																									

Socio-Demographic Index values for all estimated GBD 2019 locations, 1990-2019																																	
Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
Mombasa	0.422	0.428	0.433	0.438	0.443	0.447	0.452	0.456	0.459	0.463	0.465	0.468	0.471	0.473	0.476	0.479	0.483	0.489	0.494	0.500	0.507	0.514	0.522	0.530	0.539	0.548	0.557	0.566	0.575	0.582	0.589		
Murang'a	0.357	0.365	0.373	0.379	0.386	0.392	0.398	0.404	0.409	0.415	0.420	0.426	0.431	0.436	0.441	0.447	0.453	0.459	0.465	0.471	0.478	0.486	0.493	0.501	0.509	0.518	0.526	0.535	0.543	0.550	0.557		
Nairobi	0.536	0.540	0.543	0.547	0.549	0.551	0.553	0.556	0.558	0.561	0.564	0.567	0.570	0.573	0.577	0.582	0.587	0.593	0.598	0.604	0.610	0.617	0.624	0.630	0.637	0.645	0.652	0.660	0.666	0.671	0.675		
Nakuru	0.349	0.357	0.364	0.370	0.377	0.383	0.389	0.394	0.398	0.403	0.407	0.410	0.414	0.417	0.421	0.426	0.431	0.438	0.445	0.452	0.461	0.470	0.479	0.489	0.499	0.509	0.520	0.530	0.540	0.548	0.554		
Nandi	0.314	0.324	0.333	0.341	0.349	0.357	0.365	0.372	0.379	0.385	0.392	0.397	0.403	0.408	0.413	0.419	0.425	0.432	0.440	0.448	0.456	0.464	0.471	0.479	0.489	0.499	0.509	0.520	0.530	0.540	0.548	0.554	
Narok	0.202	0.212	0.220	0.229	0.236	0.244	0.251	0.257	0.263	0.269	0.274	0.279	0.284	0.289	0.293	0.299	0.304	0.310	0.316	0.322	0.330	0.338	0.346	0.356	0.366	0.376	0.387	0.398	0.409	0.418	0.427	0.435	
Nyamira	0.343	0.352	0.361	0.369	0.377	0.385	0.392	0.399	0.406	0.413	0.419	0.426	0.432	0.437	0.443	0.450	0.456	0.464	0.471	0.478	0.487	0.496	0.506	0.517	0.527	0.538	0.550	0.561	0.571	0.579	0.587	0.594	
Nyandarua	0.388	0.396	0.404	0.410	0.417	0.423	0.428	0.433	0.438	0.442	0.446	0.450	0.454	0.457	0.461	0.466	0.471	0.477	0.483	0.489	0.496	0.504	0.512	0.520	0.528	0.536	0.545	0.553	0.561	0.568	0.574	0.580	
Nyeri	0.177	0.183	0.188	0.193	0.199	0.204	0.209	0.214	0.218	0.223	0.228	0.232	0.236	0.241	0.245	0.250	0.255	0.261	0.267	0.274	0.281	0.289	0.297	0.306	0.314	0.324	0.334	0.343	0.353	0.361	0.368	0.374	
Sambooru	0.225	0.232	0.238	0.244	0.250	0.257	0.263	0.269	0.274	0.280	0.285	0.289	0.294	0.299	0.303	0.309	0.315	0.323	0.330	0.338	0.347	0.355	0.364	0.374	0.384	0.394	0.404	0.414	0.424	0.434	0.443	0.451	
Siaya	0.351	0.359	0.366	0.373	0.379	0.386	0.392	0.397	0.402	0.407	0.411	0.416	0.419	0.423	0.427	0.431	0.437	0.443	0.449	0.455	0.462	0.470	0.478	0.486	0.495	0.504	0.513	0.522	0.531	0.539	0.547	0.554	
Taita Taveta	0.226	0.232	0.238	0.243	0.249	0.254	0.259	0.264	0.268	0.272	0.275	0.279	0.281	0.284	0.287	0.290	0.295	0.300	0.305	0.310	0.317	0.324	0.331	0.340	0.348	0.357	0.366	0.375	0.384	0.391	0.397	0.402	
Tana River	0.341	0.348	0.355	0.362	0.369	0.376	0.383	0.390	0.396	0.403	0.410	0.416	0.423	0.429	0.436	0.442	0.449	0.457	0.464	0.471	0.479	0.488	0.497	0.506	0.516	0.526	0.536	0.546	0.556	0.566	0.576	0.585	
Tharaka Nithi	0.185	0.191	0.196	0.202	0.208	0.214	0.220	0.226	0.232	0.237	0.242	0.247	0.252	0.257	0.260	0.263	0.268	0.272	0.277	0.282	0.288	0.294	0.300	0.306	0.312	0.318	0.324	0.330	0.339	0.347	0.355	0.361	
Turkana	0.321	0.329	0.337	0.344	0.351	0.357	0.364	0.371	0.377	0.383	0.388	0.394	0.400	0.405	0.411	0.416	0.423	0.429	0.436	0.443	0.451	0.459	0.468	0.478	0.488	0.498	0.508	0.519	0.529	0.539	0.549	0.558	0.566
Trans Nzoia	0.371	0.380	0.388	0.395	0.402	0.408	0.414	0.420	0.425	0.430	0.435	0.441	0.445	0.450	0.455	0.461	0.467	0.474	0.480	0.488	0.496	0.505	0.514	0.524	0.535	0.545	0.556	0.566	0.577	0.585	0.592	0.598	
Uasin Gishu	0.276	0.284	0.292	0.300	0.307	0.315	0.322	0.329	0.335	0.341	0.346	0.351	0.355	0.359	0.363	0.367	0.371	0.376	0.380	0.385	0.391	0.398	0.405	0.413	0.421	0.429	0.438	0.447	0.457	0.464	0.470	0.476	
Vihiya	0.146	0.150	0.154	0.157	0.161	0.165	0.169	0.173	0.176	0.180	0.183	0.185	0.188	0.190	0.192	0.194	0.197	0.199	0.200	0.203	0.206	0.210	0.215	0.220	0.225	0.231	0.236	0.242	0.248	0.253	0.259	0.263	
West Pokot	0.189	0.196	0.203	0.210	0.217	0.224	0.230	0.237	0.243	0.249	0.255	0.261	0.267	0.273	0.280	0.286	0.293	0.301	0.309	0.317	0.326	0.336	0.346	0.357	0.368	0.379	0.390	0.402	0.413	0.422	0.429	0.434	
Madagascari	0.265	0.268	0.270	0.273	0.275	0.277	0.280	0.283	0.286	0.290	0.294	0.299	0.302	0.307	0.311	0.316	0.320	0.324	0.328	0.332	0.336	0.342	0.348	0.355	0.361	0.369	0.378	0.387	0.397	0.406	0.414	0.421	
Malawi	0.213	0.215	0.215	0.217	0.218	0.220	0.222	0.223	0.225	0.229	0.234	0.239	0.244	0.250	0.256	0.262	0.268	0.274	0.280	0.286	0.292	0.299	0.306	0.314	0.322	0.330	0.338	0.346	0.354	0.363	0.371	0.379	0.384
Mozambique	0.120	0.122	0.123	0.126	0.129	0.131	0.137	0.144	0.152	0.160	0.165	0.172	0.179	0.186	0.194	0.201	0.208	0.215	0.223	0.230	0.237	0.244	0.252	0.260	0.268	0.277	0.285	0.294	0.301	0.307	0.313	0.318	
Rwanda	0.257	0.259	0.262	0.265	0.261	0.261	0.262	0.265	0.269	0.272	0.277	0.283	0.291	0.298	0.307	0.315	0.325	0.333	0.342	0.351	0.359	0.368	0.376	0.384	0.391	0.399	0.407	0.415	0.422	0.429	0.435	0.440	
Somalia	0.051	0.051	0.052	0.053	0.054	0.055	0.056	0.057	0.057	0.058	0.059	0.060	0.061	0.062	0.063	0.064	0.065	0.066	0.067	0.068	0.069	0.070	0.072	0.073	0.074	0.076	0.077	0.079	0.080	0.081	0.081	0.081	
South Sudan	0.248	0.251	0.253	0.256	0.259	0.261	0.264	0.267	0.271	0.274	0.277	0.281	0.284	0.288	0.292	0.296	0.301	0.305	0.310	0.315	0.320	0.325	0.330	0.334	0.339	0.342	0.345	0.351	0.358	0.364	0.369	0.373	
Uganda	0.167	0.169	0.172	0.176	0.181	0.187	0.194	0.201	0.208	0.216	0.225	0.234	0.243	0.252	0.262	0.272	0.282	0.293	0.303	0.314	0.325	0.335	0.345	0.355	0.364	0.373	0.382	0.391	0.399	0.406	0.413	0.419	
Tanzania	0.260	0.265	0.269	0.273	0.276	0.280	0.284	0.288	0.292	0.296	0.301	0.305	0.310	0.315	0.320	0.326	0.331	0.337	0.342	0.348	0.354	0.361	0.368	0.375	0.383	0.391	0.399	0.408	0.416	0.423	0.430	0.436	
Zambia	0.299	0.304	0.307	0.311	0.314	0.316	0.319	0.323	0.326	0.330	0.334	0.340	0.345	0.352	0.359	0.367	0.376	0.386	0.396	0.407	0.418	0.429	0.440	0.451	0.462	0.472	0.481	0.491	0.499	0.505	0.511	0.516	
Southern sub-Saharan Africa	0.513	0.517	0.522	0.526	0.530	0.535	0.539	0.544	0.548	0.553	0.557	0.562	0.567	0.571	0.576	0.581	0.586	0.591	0.596	0.601	0.605	0.610	0.614	0.619	0.623	0.628	0.632	0.636	0.639	0.642	0.645	0.647	
Botswana	0.431	0.441	0.451	0.459	0.467	0.475	0.483	0.491	0.498	0.506	0.514	0.521	0.528	0.535	0.541	0.548	0.555	0.562	0.569	0.575	0.581	0.587	0.593	0.600	0.606	0.612	0.618	0.624	0.630	0.634	0.637	0.640	
eSwatini	0.392	0.401	0.410	0.419	0.427	0.435	0.443	0.450	0.456	0.462	0.468	0.474	0.479	0.484	0.490	0.495	0.501	0.507	0.513	0.519	0.526	0.532	0.538	0.545	0.551	0.557	0.563	0.569	0.574	0.577	0.580	0.582	
Lesotho	0.321	0.327	0.333	0.340	0.346	0.353	0.360	0.367	0.373	0.380	0.387	0.393	0.399	0.405	0.411	0.417	0.423	0.429	0.435	0.441	0.448	0.455	0.462	0.469	0.476	0.483	0.489	0.496	0.502	0.507	0.511	0.514	
Namibia	0.454	0.459	0.465	0.470	0.475	0.480	0.486	0.491	0.495	0.500	0.505	0.509	0.514	0.518	0.523	0.529	0.534	0.540	0.546	0.552	0.558	0.564	0.571	0.577	0.584	0.591	0.597	0.603	0.608	0.612	0.615	0.617	
South Africa	0.552	0.556	0.560	0.564	0.567	0.572	0.576	0.580	0.584	0.588	0.593	0.597	0.602	0.607	0.611	0.616	0.622	0.627	0.632	0.637	0.642	0.647	0.651	0.656	0.660	0.664	0.668	0.672	0.676	0.678	0.680	0.681	
Zimbabwe	0.394	0.403	0.409	0.415	0.421	0.426	0.432	0.437	0.441	0.444	0.446	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	
Western sub-Saharan Africa	0.268	0.272	0.276	0.280	0.284	0.288	0.292	0.297	0.301	0.306	0.311	0.316	0.322	0.328	0.335	0.343	0.351	0.359	0.367	0.375	0.383	0.391	0.399	0.407	0.415	0.422	0.430	0.437	0.443				

Socio-Demographic Index values for all estimated GBD 2019 locations, 1990-2019																														
Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Liberia	0.221	0.222	0.219	0.214	0.206	0.196	0.183	0.176	0.175	0.184	0.203	0.220	0.238	0.245	0.252	0.258	0.265	0.272	0.279	0.287	0.296	0.305	0.314	0.325	0.335	0.344	0.351	0.358	0.365	0.374
Mali	0.126	0.129	0.132	0.136	0.139	0.143	0.147	0.151	0.155	0.159	0.163	0.168	0.173	0.178	0.183	0.188	0.193	0.198	0.203	0.209	0.214	0.220	0.225	0.230	0.235	0.241	0.247	0.253	0.259	0.265
Mauritania	0.308	0.314	0.319	0.326	0.332	0.338	0.344	0.349	0.355	0.360	0.365	0.369	0.374	0.379	0.384	0.390	0.398	0.406	0.413	0.420	0.427	0.435	0.443	0.450	0.459	0.467	0.474	0.482	0.490	0.496
Niger	0.073	0.075	0.076	0.078	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.091	0.093	0.096	0.098	0.101	0.104	0.108	0.111	0.115	0.119	0.123	0.128	0.133	0.138	0.143	0.148	0.153	0.158	0.165
Nigeria	0.305	0.308	0.312	0.315	0.319	0.324	0.329	0.334	0.339	0.344	0.350	0.356	0.363	0.371	0.381	0.392	0.402	0.412	0.422	0.432	0.442	0.451	0.460	0.469	0.478	0.487	0.495	0.503	0.510	0.515
São Tomé and Príncipe	0.299	0.302	0.306	0.309	0.313	0.317	0.322	0.327	0.332	0.338	0.344	0.351	0.358	0.365	0.373	0.381	0.390	0.398	0.407	0.416	0.424	0.433	0.443	0.452	0.461	0.470	0.478	0.487	0.495	0.502
Senegal	0.227	0.233	0.239	0.245	0.251	0.257	0.262	0.267	0.272	0.277	0.282	0.286	0.290	0.295	0.299	0.304	0.308	0.313	0.318	0.324	0.330	0.336	0.342	0.348	0.354	0.361	0.368	0.375	0.382	0.389
Sierra Leone	0.207	0.209	0.210	0.212	0.215	0.218	0.218	0.218	0.219	0.218	0.219	0.221	0.224	0.229	0.234	0.239	0.245	0.252	0.260	0.267	0.275	0.283	0.292	0.304	0.314	0.321	0.328	0.335	0.342	0.347
Togo	0.266	0.272	0.278	0.281	0.286	0.291	0.296	0.302	0.306	0.310	0.313	0.317	0.320	0.323	0.327	0.330	0.334	0.338	0.342	0.347	0.352	0.358	0.364	0.371	0.379	0.386	0.394	0.402	0.411	0.417



<b>SDI Quintile</b>	<b>lower_bound</b>	<b>upper_bound</b>
Low SDI	0.0000	0.4547
Low-middle SDI	0.4547	0.6077
Middle SDI	0.6077	0.6895
High-middle SDI	0.6895	0.8051
High SDI	0.8051	1.0000

Cause	ICD10	ICD10 Used in Hospital/Claims Analyses	ICD9	ICD9 Used in Hospital/Claims Analyses
Liver cancer	C22-C22.4, C22.7-C22.8, Z85.05		155-155.9, V10.07	
Liver cancer due to hepatitis B				
Liver cancer due to hepatitis C				
Liver cancer due to alcohol use				
Liver cancer due to NASH				
Liver cancer due to other causes				

measure	location	sex	Change in rate	95% CI (lower)	95% CI (upper)
Incidence	Global	Male	-0.2568	-0.3755	-0.1154
Incidence	Global	Female	-0.3049	-0.4131	-0.1800
Incidence	Global	Both	-0.2749	-0.3697	-0.1660
Incidence	High SDI	Male	0.3702	0.2284	0.5288
Incidence	High SDI	Female	0.5535	0.3669	0.7650
Incidence	High SDI	Both	0.4448	0.3031	0.5959
Incidence	High-middle SDI	Male	-0.4618	-0.5711	-0.3159
Incidence	High-middle SDI	Female	-0.4769	-0.5703	-0.3623
Incidence	High-middle SDI	Both	-0.4618	-0.5486	-0.3550
Incidence	Middle SDI	Male	-0.4883	-0.5981	-0.3498
Incidence	Middle SDI	Female	-0.5152	-0.6159	-0.3870
Incidence	Middle SDI	Both	-0.5031	-0.5890	-0.4012
Incidence	Low-middle SDI	Male	-0.2241	-0.3495	-0.0693
Incidence	Low-middle SDI	Female	-0.2788	-0.4107	-0.1193
Incidence	Low-middle SDI	Both	-0.2562	-0.3552	-0.1363
Incidence	Low SDI	Male	-0.1409	-0.3002	0.0511
Incidence	Low SDI	Female	-0.1176	-0.2987	0.1185
Incidence	Low SDI	Both	-0.1403	-0.2745	0.0218
Death	Global	Male	-0.3230	-0.4239	-0.1995
Death	Global	Female	-0.3495	-0.4532	-0.2263
Death	Global	Both	-0.3340	-0.4151	-0.2399
Death	High SDI	Male	0.1761	0.1018	0.2558
Death	High SDI	Female	0.3771	0.2373	0.5397
Death	High SDI	Both	0.2546	0.1685	0.3482
Death	High-middle SDI	Male	-0.5180	-0.6104	-0.4036
Death	High-middle SDI	Female	-0.5164	-0.5998	-0.4134
Death	High-middle SDI	Both	-0.5146	-0.5913	-0.4274
Death	Middle SDI	Male	-0.4292	-0.5498	-0.2720
Death	Middle SDI	Female	-0.5369	-0.6309	-0.4161
Death	Middle SDI	Both	-0.4721	-0.5631	-0.3644
Death	Low-middle SDI	Male	-0.1963	-0.3182	-0.0490
Death	Low-middle SDI	Female	-0.2779	-0.4120	-0.1116
Death	Low-middle SDI	Both	-0.2401	-0.3377	-0.1270
Death	Low SDI	Male	-0.0718	-0.2418	0.1390
Death	Low SDI	Female	-0.1200	-0.3020	0.1112
Death	Low SDI	Both	-0.0992	-0.2446	0.0699

cause	location	sex	Change in incidence rate	95% CI (lower)	95% CI (upper)
Liver cancer due to hepatitis B	Global	Male	-0.4141	-0.5439	-0.2502
Liver cancer due to hepatitis B	Global	Female	-0.4845	-0.6148	-0.3104
Liver cancer due to hepatitis B	Global	Both	-0.4295	-0.5466	-0.2864
Liver cancer due to hepatitis B	High SDI	Male	0.3596	0.0994	0.6824
Liver cancer due to hepatitis B	High SDI	Female	0.4131	0.0532	0.8971
Liver cancer due to hepatitis B	High SDI	Both	0.3932	0.1206	0.7333
Liver cancer due to hepatitis B	High-middle SDI	Male	-0.5536	-0.6686	-0.3967
Liver cancer due to hepatitis B	High-middle SDI	Female	-0.5879	-0.6971	-0.4348
Liver cancer due to hepatitis B	High-middle SDI	Both	-0.5519	-0.6576	-0.4116
Liver cancer due to hepatitis B	Middle SDI	Male	-0.5849	-0.6863	-0.4467
Liver cancer due to hepatitis B	Middle SDI	Female	-0.6128	-0.7186	-0.4704
Liver cancer due to hepatitis B	Middle SDI	Both	-0.5973	-0.6893	-0.4817
Liver cancer due to hepatitis B	Low-middle SDI	Male	-0.3687	-0.4984	-0.2030
Liver cancer due to hepatitis B	Low-middle SDI	Female	-0.4282	-0.5780	-0.2226
Liver cancer due to hepatitis B	Low-middle SDI	Both	-0.3992	-0.5177	-0.2511
Liver cancer due to hepatitis B	Low SDI	Male	-0.1781	-0.3938	0.1202
Liver cancer due to hepatitis B	Low SDI	Female	-0.1708	-0.4269	0.1998
Liver cancer due to hepatitis B	Low SDI	Both	-0.1882	-0.4009	0.1027
Liver cancer due to hepatitis C	Global	Male	-0.0517	-0.2319	0.1697
Liver cancer due to hepatitis C	Global	Female	-0.2065	-0.3612	-0.0204
Liver cancer due to hepatitis C	Global	Both	-0.1327	-0.2872	0.0506
Liver cancer due to hepatitis C	High SDI	Male	0.2153	0.0067	0.4683
Liver cancer due to hepatitis C	High SDI	Female	0.5602	0.2906	0.8849
Liver cancer due to hepatitis C	High SDI	Both	0.3336	0.1246	0.5822
Liver cancer due to hepatitis C	High-middle SDI	Male	-0.2928	-0.4505	-0.0854
Liver cancer due to hepatitis C	High-middle SDI	Female	-0.4290	-0.5461	-0.2847
Liver cancer due to hepatitis C	High-middle SDI	Both	-0.3667	-0.4865	-0.2198
Liver cancer due to hepatitis C	Middle SDI	Male	-0.3136	-0.4871	-0.0754
Liver cancer due to hepatitis C	Middle SDI	Female	-0.4747	-0.5981	-0.3126
Liver cancer due to hepatitis C	Middle SDI	Both	-0.4050	-0.5352	-0.2374
Liver cancer due to hepatitis C	Low-middle SDI	Male	-0.0361	-0.3122	0.3600
Liver cancer due to hepatitis C	Low-middle SDI	Female	-0.2226	-0.4053	0.0193
Liver cancer due to hepatitis C	Low-middle SDI	Both	-0.1472	-0.3483	0.1123
Liver cancer due to hepatitis C	Low SDI	Male	-0.1817	-0.4326	0.1696
Liver cancer due to hepatitis C	Low SDI	Female	-0.1402	-0.3794	0.1926
Liver cancer due to hepatitis C	Low SDI	Both	-0.1593	-0.3824	0.1577
Liver cancer due to alcohol Use	Global	Male	0.0453	-0.2112	0.3930
Liver cancer due to alcohol Use	Global	Female	-0.1913	-0.4271	0.1435
Liver cancer due to alcohol Use	Global	Both	-0.0044	-0.2594	0.3376
Liver cancer due to alcohol Use	High SDI	Male	0.5626	0.2231	0.9876
Liver cancer due to alcohol Use	High SDI	Female	0.5458	0.1046	1.1723
Liver cancer due to alcohol Use	High SDI	Both	0.6350	0.2640	1.0982
Liver cancer due to alcohol Use	High-middle SDI	Male	-0.2568	-0.4439	-0.0118
Liver cancer due to alcohol Use	High-middle SDI	Female	-0.3854	-0.5641	-0.1378
Liver cancer due to alcohol Use	High-middle SDI	Both	-0.2732	-0.4567	-0.0356

Liver cancer due to alcohol Use	Middle SDI	Male	-0.1808	-0.4251	0.1718
Liver cancer due to alcohol Use	Middle SDI	Female	-0.3850	-0.5892	-0.0851
Liver cancer due to alcohol Use	Middle SDI	Both	-0.2475	-0.4741	0.0774
Liver cancer due to alcohol Use	Low-middle SDI	Male	0.0441	-0.2503	0.4593
Liver cancer due to alcohol Use	Low-middle SDI	Female	-0.1304	-0.4067	0.2530
Liver cancer due to alcohol Use	Low-middle SDI	Both	-0.0300	-0.2985	0.3364
Liver cancer due to alcohol Use	Low SDI	Male	-0.0705	-0.3709	0.3681
Liver cancer due to alcohol Use	Low SDI	Female	-0.0375	-0.3849	0.5034
Liver cancer due to alcohol Use	Low SDI	Both	-0.0835	-0.3862	0.3521
Liver cancer due to NASH	Global	Male	0.0894	-0.1977	0.4723
Liver cancer due to NASH	Global	Female	-0.0583	-0.3013	0.2753
Liver cancer due to NASH	Global	Both	0.0119	-0.2364	0.3330
Liver cancer due to NASH	High SDI	Male	0.7663	0.2811	1.4167
Liver cancer due to NASH	High SDI	Female	0.8806	0.3793	1.5755
Liver cancer due to NASH	High SDI	Both	0.8288	0.3541	1.4858
Liver cancer due to NASH	High-middle SDI	Male	-0.2278	-0.4394	0.0647
Liver cancer due to NASH	High-middle SDI	Female	-0.3110	-0.4872	-0.0758
Liver cancer due to NASH	High-middle SDI	Both	-0.2712	-0.4491	-0.0395
Liver cancer due to NASH	Middle SDI	Male	-0.1597	-0.4032	0.1876
Liver cancer due to NASH	Middle SDI	Female	-0.2934	-0.4858	-0.0346
Liver cancer due to NASH	Middle SDI	Both	-0.2327	-0.4357	0.0442
Liver cancer due to NASH	Low-middle SDI	Male	0.0447	-0.2598	0.4750
Liver cancer due to NASH	Low-middle SDI	Female	-0.0768	-0.3344	0.2824
Liver cancer due to NASH	Low-middle SDI	Both	-0.0220	-0.2741	0.3154
Liver cancer due to NASH	Low SDI	Male	-0.0107	-0.3481	0.5084
Liver cancer due to NASH	Low SDI	Female	0.0105	-0.3287	0.5087
Liver cancer due to NASH	Low SDI	Both	0.0012	-0.3115	0.4640
Liver cancer due to Other Causes	Global	Male	-0.3115	-0.4815	-0.0853
Liver cancer due to Other Causes	Global	Female	-0.4151	-0.5582	-0.2333
Liver cancer due to Other Causes	Global	Both	-0.3649	-0.5101	-0.1850
Liver cancer due to Other Causes	High SDI	Male	0.4288	0.0893	0.8655
Liver cancer due to Other Causes	High SDI	Female	0.4573	0.1365	0.8865
Liver cancer due to Other Causes	High SDI	Both	0.4483	0.1285	0.8626
Liver cancer due to Other Causes	High-middle SDI	Male	-0.4884	-0.6242	-0.3024
Liver cancer due to Other Causes	High-middle SDI	Female	-0.5366	-0.6525	-0.3867
Liver cancer due to Other Causes	High-middle SDI	Both	-0.5107	-0.6211	-0.3695
Liver cancer due to Other Causes	Middle SDI	Male	-0.4884	-0.6303	-0.2930
Liver cancer due to Other Causes	Middle SDI	Female	-0.5851	-0.6977	-0.4257
Liver cancer due to Other Causes	Middle SDI	Both	-0.5398	-0.6530	-0.3899
Liver cancer due to Other Causes	Low-middle SDI	Male	-0.2412	-0.4291	0.0122
Liver cancer due to Other Causes	Low-middle SDI	Female	-0.3752	-0.5300	-0.1612
Liver cancer due to Other Causes	Low-middle SDI	Both	-0.3165	-0.4739	-0.1067
Liver cancer due to Other Causes	Low SDI	Male	-0.0492	-0.3426	0.3752
Liver cancer due to Other Causes	Low SDI	Female	-0.1197	-0.3918	0.2885
Liver cancer due to Other Causes	Low SDI	Both	-0.0877	-0.3549	0.2769

cause	location	sex	Change in death rate	95% CI (lower)	95% CI (upper)
Liver cancer due to hepatitis B	Global	Male	-0.4733	-0.5883	-0.3264
Liver cancer due to hepatitis B	Global	Female	-0.5214	-0.6443	-0.3578
Liver cancer due to hepatitis B	Global	Both	-0.4841	-0.5908	-0.3555
Liver cancer due to hepatitis B	High SDI	Male	0.1004	-0.1062	0.3524
Liver cancer due to hepatitis B	High SDI	Female	0.1741	-0.1290	0.5936
Liver cancer due to hepatitis B	High SDI	Both	0.1336	-0.0942	0.4161
Liver cancer due to hepatitis B	High-middle SDI	Male	-0.6126	-0.7099	-0.4842
Liver cancer due to hepatitis B	High-middle SDI	Female	-0.6289	-0.7296	-0.4934
Liver cancer due to hepatitis B	High-middle SDI	Both	-0.6096	-0.6978	-0.4940
Liver cancer due to hepatitis B	Middle SDI	Male	-0.5210	-0.6410	-0.3683
Liver cancer due to hepatitis B	Middle SDI	Female	-0.6346	-0.7351	-0.4939
Liver cancer due to hepatitis B	Middle SDI	Both	-0.5528	-0.6530	-0.4265
Liver cancer due to hepatitis B	Low-middle SDI	Male	-0.3509	-0.4806	-0.1838
Liver cancer due to hepatitis B	Low-middle SDI	Female	-0.4305	-0.5829	-0.2280
Liver cancer due to hepatitis B	Low-middle SDI	Both	-0.3878	-0.5037	-0.2452
Liver cancer due to hepatitis B	Low SDI	Male	-0.1361	-0.3710	0.1817
Liver cancer due to hepatitis B	Low SDI	Female	-0.1752	-0.4368	0.2028
Liver cancer due to hepatitis B	Low SDI	Both	-0.1597	-0.3816	0.1429
Liver cancer due to hepatitis C	Global	Male	-0.1380	-0.2982	0.0576
Liver cancer due to hepatitis C	Global	Female	-0.2648	-0.4071	-0.0853
Liver cancer due to hepatitis C	Global	Both	-0.2063	-0.3477	-0.0405
Liver cancer due to hepatitis C	High SDI	Male	0.0760	-0.0798	0.2613
Liver cancer due to hepatitis C	High SDI	Female	0.4057	0.1801	0.6736
Liver cancer due to hepatitis C	High SDI	Both	0.1946	0.0176	0.3976
Liver cancer due to hepatitis C	High-middle SDI	Male	-0.3585	-0.4934	-0.1875
Liver cancer due to hepatitis C	High-middle SDI	Female	-0.4688	-0.5730	-0.3370
Liver cancer due to hepatitis C	High-middle SDI	Both	-0.4209	-0.5250	-0.2888
Liver cancer due to hepatitis C	Middle SDI	Male	-0.2951	-0.4731	-0.0724
Liver cancer due to hepatitis C	Middle SDI	Female	-0.4991	-0.6144	-0.3486
Liver cancer due to hepatitis C	Middle SDI	Both	-0.4128	-0.5384	-0.2562
Liver cancer due to hepatitis C	Low-middle SDI	Male	-0.0155	-0.2968	0.3708
Liver cancer due to hepatitis C	Low-middle SDI	Female	-0.2275	-0.4134	0.0132
Liver cancer due to hepatitis C	Low-middle SDI	Both	-0.1436	-0.3463	0.1164
Liver cancer due to hepatitis C	Low SDI	Male	-0.0795	-0.3558	0.3048
Liver cancer due to hepatitis C	Low SDI	Female	-0.1407	-0.3803	0.1818
Liver cancer due to hepatitis C	Low SDI	Both	-0.1124	-0.3566	0.2179
Liver cancer due to alcohol Use	Global	Male	-0.0399	-0.2752	0.2677
Liver cancer due to alcohol Use	Global	Female	-0.2365	-0.4594	0.0906
Liver cancer due to alcohol Use	Global	Both	-0.0800	-0.3076	0.2303
Liver cancer due to alcohol Use	High SDI	Male	0.3393	0.0745	0.6861
Liver cancer due to alcohol Use	High SDI	Female	0.3611	-0.0336	0.9205
Liver cancer due to alcohol Use	High SDI	Both	0.4119	0.1102	0.7924
Liver cancer due to alcohol Use	High-middle SDI	Male	-0.3103	-0.4739	-0.0971
Liver cancer due to alcohol Use	High-middle SDI	Female	-0.4196	-0.5815	-0.1959
Liver cancer due to alcohol Use	High-middle SDI	Both	-0.3241	-0.4911	-0.1110

Liver cancer due to alcohol Use	Middle SDI	Male	-0.1331	-0.3901	0.2449
Liver cancer due to alcohol Use	Middle SDI	Female	-0.4067	-0.5992	-0.1155
Liver cancer due to alcohol Use	Middle SDI	Both	-0.2210	-0.4507	0.1055
Liver cancer due to alcohol Use	Low-middle SDI	Male	0.0745	-0.2282	0.4852
Liver cancer due to alcohol Use	Low-middle SDI	Female	-0.1269	-0.4027	0.2640
Liver cancer due to alcohol Use	Low-middle SDI	Both	-0.0090	-0.2790	0.3608
Liver cancer due to alcohol Use	Low SDI	Male	0.0120	-0.3093	0.4718
Liver cancer due to alcohol Use	Low SDI	Female	-0.0365	-0.3832	0.4927
Liver cancer due to alcohol Use	Low SDI	Both	-0.0207	-0.3313	0.4182
Liver cancer due to NASH	Global	Male	0.0133	-0.2531	0.3740
Liver cancer due to NASH	Global	Female	-0.1111	-0.3394	0.1964
Liver cancer due to NASH	Global	Both	-0.0527	-0.2852	0.2605
Liver cancer due to NASH	High SDI	Male	0.5431	0.1190	1.1263
Liver cancer due to NASH	High SDI	Female	0.6578	0.2132	1.2683
Liver cancer due to NASH	High SDI	Both	0.6058	0.1797	1.1723
Liver cancer due to NASH	High-middle SDI	Male	-0.2883	-0.4839	-0.0310
Liver cancer due to NASH	High-middle SDI	Female	-0.3567	-0.5279	-0.1303
Liver cancer due to NASH	High-middle SDI	Both	-0.3253	-0.4947	-0.0992
Liver cancer due to NASH	Middle SDI	Male	-0.0949	-0.3539	0.2783
Liver cancer due to NASH	Middle SDI	Female	-0.3212	-0.5076	-0.0650
Liver cancer due to NASH	Middle SDI	Both	-0.2202	-0.4238	0.0606
Liver cancer due to NASH	Low-middle SDI	Male	0.0867	-0.2338	0.5490
Liver cancer due to NASH	Low-middle SDI	Female	-0.0712	-0.3364	0.3057
Liver cancer due to NASH	Low-middle SDI	Both	-0.0017	-0.2699	0.3528
Liver cancer due to NASH	Low SDI	Male	0.0694	-0.3016	0.6365
Liver cancer due to NASH	Low SDI	Female	0.0110	-0.3282	0.5460
Liver cancer due to NASH	Low SDI	Both	0.0378	-0.2954	0.5172
Liver cancer due to Other Causes	Global	Male	-0.3804	-0.5310	-0.1794
Liver cancer due to Other Causes	Global	Female	-0.4606	-0.5897	-0.3003
Liver cancer due to Other Causes	Global	Both	-0.4217	-0.5505	-0.2546
Liver cancer due to Other Causes	High SDI	Male	0.2235	-0.0691	0.6173
Liver cancer due to Other Causes	High SDI	Female	0.2843	-0.0064	0.6555
Liver cancer due to Other Causes	High SDI	Both	0.2568	-0.0233	0.6325
Liver cancer due to Other Causes	High-middle SDI	Male	-0.5656	-0.6843	-0.4074
Liver cancer due to Other Causes	High-middle SDI	Female	-0.6011	-0.7031	-0.4646
Liver cancer due to Other Causes	High-middle SDI	Both	-0.5820	-0.6780	-0.4566
Liver cancer due to Other Causes	Middle SDI	Male	-0.4905	-0.6262	-0.2916
Liver cancer due to Other Causes	Middle SDI	Female	-0.6161	-0.7201	-0.4720
Liver cancer due to Other Causes	Middle SDI	Both	-0.5575	-0.6653	-0.4155
Liver cancer due to Other Causes	Low-middle SDI	Male	-0.2502	-0.4281	-0.0198
Liver cancer due to Other Causes	Low-middle SDI	Female	-0.3855	-0.5476	-0.1751
Liver cancer due to Other Causes	Low-middle SDI	Both	-0.3267	-0.4862	-0.1191
Liver cancer due to Other Causes	Low SDI	Male	-0.0943	-0.3645	0.3139
Liver cancer due to Other Causes	Low SDI	Female	-0.1391	-0.3981	0.2397
Liver cancer due to Other Causes	Low SDI	Both	-0.1184	-0.3712	0.2371

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer	1990	13.0678	11.4243	14.8746
Global	Female	Liver cancer	1990	5.2239	4.6171	5.9613
Global	Both	Liver cancer	1990	8.9835	8.0958	9.9710
Global	Male	Liver cancer	1991	13.6346	12.3422	15.0893
Global	Female	Liver cancer	1991	5.3335	4.8067	5.9730
Global	Both	Liver cancer	1991	9.3128	8.5570	10.1485
Global	Male	Liver cancer	1992	14.1122	13.0141	15.3007
Global	Female	Liver cancer	1992	5.4197	4.9296	6.0075
Global	Both	Liver cancer	1992	9.5869	8.9496	10.2876
Global	Male	Liver cancer	1993	14.4936	13.4788	15.5720
Global	Female	Liver cancer	1993	5.4860	5.0364	6.0521
Global	Both	Liver cancer	1993	9.8044	9.2273	10.4093
Global	Male	Liver cancer	1994	14.7836	13.7450	15.9541
Global	Female	Liver cancer	1994	5.5336	5.0872	6.0802
Global	Both	Liver cancer	1994	9.9688	9.3995	10.6112
Global	Male	Liver cancer	1995	14.9556	13.7945	16.3383
Global	Female	Liver cancer	1995	5.5591	5.0922	6.1083
Global	Both	Liver cancer	1995	10.0644	9.4386	10.7883
Global	Male	Liver cancer	1996	15.0235	14.0564	16.1628
Global	Female	Liver cancer	1996	5.5533	5.1360	6.0378
Global	Both	Liver cancer	1996	10.0931	9.5643	10.7020
Global	Male	Liver cancer	1997	14.9850	14.1214	15.9024
Global	Female	Liver cancer	1997	5.5078	5.1276	5.9248
Global	Both	Liver cancer	1997	10.0487	9.5435	10.5800
Global	Male	Liver cancer	1998	14.8486	13.9619	15.7842
Global	Female	Liver cancer	1998	5.4314	5.0713	5.8199
Global	Both	Liver cancer	1998	9.9404	9.4631	10.4611
Global	Male	Liver cancer	1999	14.6370	13.6706	15.5931
Global	Female	Liver cancer	1999	5.3300	4.9861	5.7097
Global	Both	Liver cancer	1999	9.7832	9.2857	10.3044
Global	Male	Liver cancer	2000	14.3475	13.2641	15.4365
Global	Female	Liver cancer	2000	5.2078	4.8619	5.6022
Global	Both	Liver cancer	2000	9.5771	9.0324	10.1464
Global	Male	Liver cancer	2001	13.7110	12.9077	14.5356
Global	Female	Liver cancer	2001	4.9997	4.6874	5.2985
Global	Both	Liver cancer	2001	9.1590	8.7048	9.6001
Global	Male	Liver cancer	2002	12.6285	12.0237	13.2561
Global	Female	Liver cancer	2002	4.6852	4.4048	4.9536
Global	Both	Liver cancer	2002	8.4708	8.0980	8.8360
Global	Male	Liver cancer	2003	11.4122	10.8783	11.9556
Global	Female	Liver cancer	2003	4.3444	4.0741	4.5889
Global	Both	Liver cancer	2003	7.7046	7.3733	8.0313
Global	Male	Liver cancer	2004	10.3858	9.9280	10.8988



Global	Female	Liver cancer	2004	4.0580	3.7728	4.2891
Global	Both	Liver cancer	2004	7.0595	6.7413	7.3600
Global	Male	Liver cancer	2005	9.8706	9.4003	10.3912
Global	Female	Liver cancer	2005	3.9076	3.6233	4.1365
Global	Both	Liver cancer	2005	6.7325	6.4123	7.0488
Global	Male	Liver cancer	2006	9.7434	9.3308	10.2022
Global	Female	Liver cancer	2006	3.8600	3.5897	4.0578
Global	Both	Liver cancer	2006	6.6469	6.3430	6.9322
Global	Male	Liver cancer	2007	9.6585	9.2341	10.1189
Global	Female	Liver cancer	2007	3.8272	3.5787	4.0122
Global	Both	Liver cancer	2007	6.5895	6.2900	6.8557
Global	Male	Liver cancer	2008	9.6020	9.1829	10.0580
Global	Female	Liver cancer	2008	3.8036	3.5615	3.9842
Global	Both	Liver cancer	2008	6.5502	6.2540	6.8221
Global	Male	Liver cancer	2009	9.5654	9.1020	10.0603
Global	Female	Liver cancer	2009	3.7839	3.5242	3.9642
Global	Both	Liver cancer	2009	6.5224	6.2098	6.8082
Global	Male	Liver cancer	2010	9.5387	9.0256	10.1296
Global	Female	Liver cancer	2010	3.7620	3.4889	3.9629
Global	Both	Liver cancer	2010	6.4979	6.1536	6.8136
Global	Male	Liver cancer	2011	9.5257	9.0572	10.0455
Global	Female	Liver cancer	2011	3.7364	3.4638	3.9172
Global	Both	Liver cancer	2011	6.4780	6.1623	6.7690
Global	Male	Liver cancer	2012	9.5360	9.0852	10.0268
Global	Female	Liver cancer	2012	3.7095	3.4436	3.8840
Global	Both	Liver cancer	2012	6.4685	6.1488	6.7335
Global	Male	Liver cancer	2013	9.5592	9.1028	10.0280
Global	Female	Liver cancer	2013	3.6839	3.4226	3.8698
Global	Both	Liver cancer	2013	6.4658	6.1352	6.7287
Global	Male	Liver cancer	2014	9.5887	9.0684	10.1129
Global	Female	Liver cancer	2014	3.6629	3.3960	3.8693
Global	Both	Liver cancer	2014	6.4686	6.1091	6.7721
Global	Male	Liver cancer	2015	9.6136	9.0226	10.2619
Global	Female	Liver cancer	2015	3.6490	3.3637	3.8909
Global	Both	Liver cancer	2015	6.4733	6.0806	6.8347
Global	Male	Liver cancer	2016	9.6402	9.0850	10.2199
Global	Female	Liver cancer	2016	3.6370	3.3354	3.8872
Global	Both	Liver cancer	2016	6.4806	6.1057	6.8229
Global	Male	Liver cancer	2017	9.6683	8.8616	10.5037
Global	Female	Liver cancer	2017	3.6296	3.2673	3.9670
Global	Both	Liver cancer	2017	6.4912	6.0291	6.9750
Global	Male	Liver cancer	2018	9.6896	8.9481	10.4440
Global	Female	Liver cancer	2018	3.6289	3.2745	3.9516
Global	Both	Liver cancer	2018	6.5019	6.0449	6.9566
Global	Male	Liver cancer	2019	9.7114	8.6887	10.8441
Global	Female	Liver cancer	2019	3.6310	3.2320	4.0478

Global	Both	Liver cancer	2019	6.5144	5.9458	7.1594
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location	sex	cause_id	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Both	418	Liver cancer due to hepatitis B	1990	4.4701	3.8176	5.2233
Global	Both	418	Liver cancer due to hepatitis B	1991	4.6028	3.9725	5.3039
Global	Both	418	Liver cancer due to hepatitis B	1992	4.7144	4.1013	5.3498
Global	Both	418	Liver cancer due to hepatitis B	1993	4.8260	4.2471	5.4764
Global	Both	418	Liver cancer due to hepatitis B	1994	4.9315	4.3606	5.5240
Global	Both	418	Liver cancer due to hepatitis B	1995	4.9911	4.4587	5.6217
Global	Both	418	Liver cancer due to hepatitis B	1996	5.0109	4.5010	5.5521
Global	Both	418	Liver cancer due to hepatitis B	1997	4.9614	4.4578	5.5009
Global	Both	418	Liver cancer due to hepatitis B	1998	4.9023	4.4143	5.4515
Global	Both	418	Liver cancer due to hepatitis B	1999	4.8023	4.3539	5.3285
Global	Both	418	Liver cancer due to hepatitis B	2000	4.5445	4.0685	5.0296
Global	Both	418	Liver cancer due to hepatitis B	2001	4.0978	3.6477	4.5590
Global	Both	418	Liver cancer due to hepatitis B	2002	3.5312	3.1556	3.9310
Global	Both	418	Liver cancer due to hepatitis B	2003	3.0669	2.7484	3.4364
Global	Both	418	Liver cancer due to hepatitis B	2004	2.7347	2.4427	3.0397
Global	Both	418	Liver cancer due to hepatitis B	2005	2.5765	2.3028	2.8720
Global	Both	418	Liver cancer due to hepatitis B	2006	2.4961	2.2287	2.7647
Global	Both	418	Liver cancer due to hepatitis B	2007	2.4495	2.1906	2.7174
Global	Both	418	Liver cancer due to hepatitis B	2008	2.4481	2.2079	2.7017
Global	Both	418	Liver cancer due to hepatitis B	2009	2.3964	2.1526	2.6800
Global	Both	418	Liver cancer due to hepatitis B	2010	2.3494	2.0957	2.6387
Global	Both	418	Liver cancer due to hepatitis B	2011	2.2965	2.0464	2.5610
Global	Both	418	Liver cancer due to hepatitis B	2012	2.2644	2.0038	2.5394
Global	Both	418	Liver cancer due to hepatitis B	2013	2.2625	1.9911	2.5389
Global	Both	418	Liver cancer due to hepatitis B	2014	2.2847	2.0148	2.5667
Global	Both	418	Liver cancer due to hepatitis B	2015	2.3079	2.0327	2.6191
Global	Both	418	Liver cancer due to hepatitis B	2016	2.3214	2.0351	2.6475
Global	Both	418	Liver cancer due to hepatitis B	2017	2.3188	2.0074	2.6613
Global	Both	418	Liver cancer due to hepatitis B	2018	2.3071	1.9593	2.6805
Global	Both	418	Liver cancer due to hepatitis B	2019	2.3060	1.9452	2.6896
Global	Both	419	Liver cancer due to hepatitis C	1990	2.2477	1.9689	2.5443
Global	Both	419	Liver cancer due to hepatitis C	1991	2.2981	2.0184	2.6058
Global	Both	419	Liver cancer due to hepatitis C	1992	2.3473	2.0730	2.6433
Global	Both	419	Liver cancer due to hepatitis C	1993	2.4049	2.1115	2.6855
Global	Both	419	Liver cancer due to hepatitis C	1994	2.4555	2.1628	2.7304
Global	Both	419	Liver cancer due to hepatitis C	1995	2.5078	2.2219	2.7817
Global	Both	419	Liver cancer due to hepatitis C	1996	2.5370	2.2576	2.8119
Global	Both	419	Liver cancer due to hepatitis C	1997	2.5396	2.2603	2.8093
Global	Both	419	Liver cancer due to hepatitis C	1998	2.5417	2.2487	2.8032
Global	Both	419	Liver cancer due to hepatitis C	1999	2.5269	2.2548	2.7979
Global	Both	419	Liver cancer due to hepatitis C	2000	2.4546	2.1822	2.7132
Global	Both	419	Liver cancer due to hepatitis C	2001	2.3394	2.0693	2.5888
Global	Both	419	Liver cancer due to hepatitis C	2002	2.2118	1.9530	2.4515
Global	Both	419	Liver cancer due to hepatitis C	2003	2.1086	1.8682	2.3322
Global	Both	419	Liver cancer due to hepatitis C	2004	2.0246	1.7950	2.2486
Global	Both	419	Liver cancer due to hepatitis C	2005	1.9869	1.7571	2.2043
Global	Both	419	Liver cancer due to hepatitis C	2006	1.9639	1.7331	2.1832
Global	Both	419	Liver cancer due to hepatitis C	2007	1.9417	1.7053	2.1576
Global	Both	419	Liver cancer due to hepatitis C	2008	1.9337	1.7003	2.1564
Global	Both	419	Liver cancer due to hepatitis C	2009	1.9112	1.6763	2.1376
Global	Both	419	Liver cancer due to hepatitis C	2010	1.8859	1.6445	2.1096
Global	Both	419	Liver cancer due to hepatitis C	2011	1.8609	1.6180	2.0847
Global	Both	419	Liver cancer due to hepatitis C	2012	1.8389	1.6054	2.0633

Global	Both	419	Liver cancer due to hepatitis C	2013	1.8264	1.5903	2.0462
Global	Both	419	Liver cancer due to hepatitis C	2014	1.8220	1.5841	2.0418
Global	Both	419	Liver cancer due to hepatitis C	2015	1.8210	1.5666	2.0487
Global	Both	419	Liver cancer due to hepatitis C	2016	1.8095	1.5604	2.0391
Global	Both	419	Liver cancer due to hepatitis C	2017	1.7936	1.5494	2.0305
Global	Both	419	Liver cancer due to hepatitis C	2018	1.7871	1.5451	2.0308
Global	Both	419	Liver cancer due to hepatitis C	2019	1.7840	1.5276	2.0351
Global	Both	420	Liver cancer due to alcohol use	1990	1.2006	0.9737	1.4637
Global	Both	420	Liver cancer due to alcohol use	1991	1.2227	0.9850	1.5013
Global	Both	420	Liver cancer due to alcohol use	1992	1.2420	1.0176	1.4998
Global	Both	420	Liver cancer due to alcohol use	1993	1.2641	1.0359	1.5327
Global	Both	420	Liver cancer due to alcohol use	1994	1.2824	1.0529	1.5497
Global	Both	420	Liver cancer due to alcohol use	1995	1.2942	1.0623	1.5632
Global	Both	420	Liver cancer due to alcohol use	1996	1.3002	1.0697	1.5641
Global	Both	420	Liver cancer due to alcohol use	1997	1.2944	1.0665	1.5619
Global	Both	420	Liver cancer due to alcohol use	1998	1.2939	1.0640	1.5549
Global	Both	420	Liver cancer due to alcohol use	1999	1.2875	1.0546	1.5563
Global	Both	420	Liver cancer due to alcohol use	2000	1.2620	1.0453	1.5214
Global	Both	420	Liver cancer due to alcohol use	2001	1.2123	1.0025	1.4543
Global	Both	420	Liver cancer due to alcohol use	2002	1.1587	0.9582	1.3883
Global	Both	420	Liver cancer due to alcohol use	2003	1.1144	0.9214	1.3384
Global	Both	420	Liver cancer due to alcohol use	2004	1.0818	0.8991	1.2975
Global	Both	420	Liver cancer due to alcohol use	2005	1.0749	0.8924	1.2821
Global	Both	420	Liver cancer due to alcohol use	2006	1.0717	0.8865	1.2769
Global	Both	420	Liver cancer due to alcohol use	2007	1.0741	0.8909	1.2769
Global	Both	420	Liver cancer due to alcohol use	2008	1.0830	0.8973	1.2908
Global	Both	420	Liver cancer due to alcohol use	2009	1.0815	0.8960	1.2791
Global	Both	420	Liver cancer due to alcohol use	2010	1.0824	0.8974	1.2904
Global	Both	420	Liver cancer due to alcohol use	2011	1.0798	0.8960	1.2800
Global	Both	420	Liver cancer due to alcohol use	2012	1.0795	0.8904	1.2842
Global	Both	420	Liver cancer due to alcohol use	2013	1.0821	0.8939	1.2872
Global	Both	420	Liver cancer due to alcohol use	2014	1.0863	0.8945	1.2869
Global	Both	420	Liver cancer due to alcohol use	2015	1.0965	0.9056	1.3043
Global	Both	420	Liver cancer due to alcohol use	2016	1.1016	0.9092	1.3190
Global	Both	420	Liver cancer due to alcohol use	2017	1.1021	0.9087	1.3087
Global	Both	420	Liver cancer due to alcohol use	2018	1.1012	0.8948	1.3162
Global	Both	420	Liver cancer due to alcohol use	2019	1.1045	0.8925	1.3287
Global	Both	996	Liver cancer due to NASH	1990	0.4552	0.3752	0.5520
Global	Both	996	Liver cancer due to NASH	1991	0.4656	0.3826	0.5592
Global	Both	996	Liver cancer due to NASH	1992	0.4757	0.3932	0.5710
Global	Both	996	Liver cancer due to NASH	1993	0.4865	0.4063	0.5833
Global	Both	996	Liver cancer due to NASH	1994	0.4966	0.4112	0.5935
Global	Both	996	Liver cancer due to NASH	1995	0.5041	0.4255	0.6019
Global	Both	996	Liver cancer due to NASH	1996	0.5102	0.4268	0.6115
Global	Both	996	Liver cancer due to NASH	1997	0.5128	0.4289	0.6107
Global	Both	996	Liver cancer due to NASH	1998	0.5155	0.4340	0.6157
Global	Both	996	Liver cancer due to NASH	1999	0.5150	0.4297	0.6145
Global	Both	996	Liver cancer due to NASH	2000	0.5024	0.4175	0.6031
Global	Both	996	Liver cancer due to NASH	2001	0.4773	0.3971	0.5729
Global	Both	996	Liver cancer due to NASH	2002	0.4476	0.3752	0.5414
Global	Both	996	Liver cancer due to NASH	2003	0.4230	0.3506	0.5159
Global	Both	996	Liver cancer due to NASH	2004	0.4050	0.3325	0.4926
Global	Both	996	Liver cancer due to NASH	2005	0.3995	0.3290	0.4876
Global	Both	996	Liver cancer due to NASH	2006	0.3987	0.3279	0.4863
Global	Both	996	Liver cancer due to NASH	2007	0.3994	0.3260	0.4875
Global	Both	996	Liver cancer due to NASH	2008	0.4037	0.3315	0.4950

Global	Both	996	Liver cancer due to NASH	2009	0.4037	0.3321	0.4974
Global	Both	996	Liver cancer due to NASH	2010	0.4044	0.3333	0.4940
Global	Both	996	Liver cancer due to NASH	2011	0.4050	0.3311	0.4964
Global	Both	996	Liver cancer due to NASH	2012	0.4067	0.3325	0.4967
Global	Both	996	Liver cancer due to NASH	2013	0.4119	0.3384	0.5050
Global	Both	996	Liver cancer due to NASH	2014	0.4180	0.3426	0.5121
Global	Both	996	Liver cancer due to NASH	2015	0.4240	0.3488	0.5182
Global	Both	996	Liver cancer due to NASH	2016	0.4262	0.3477	0.5216
Global	Both	996	Liver cancer due to NASH	2017	0.4265	0.3487	0.5238
Global	Both	996	Liver cancer due to NASH	2018	0.4281	0.3478	0.5247
Global	Both	996	Liver cancer due to NASH	2019	0.4312	0.3526	0.5339
Global	Both	1021	Liver cancer due to other causes	1990	0.5530	0.4593	0.6638
Global	Both	1021	Liver cancer due to other causes	1991	0.5624	0.4715	0.6718
Global	Both	1021	Liver cancer due to other causes	1992	0.5703	0.4774	0.6737
Global	Both	1021	Liver cancer due to other causes	1993	0.5788	0.4925	0.6723
Global	Both	1021	Liver cancer due to other causes	1994	0.5893	0.5033	0.6818
Global	Both	1021	Liver cancer due to other causes	1995	0.5938	0.5105	0.6837
Global	Both	1021	Liver cancer due to other causes	1996	0.5917	0.5086	0.6849
Global	Both	1021	Liver cancer due to other causes	1997	0.5822	0.5012	0.6699
Global	Both	1021	Liver cancer due to other causes	1998	0.5719	0.4920	0.6563
Global	Both	1021	Liver cancer due to other causes	1999	0.5582	0.4826	0.6424
Global	Both	1021	Liver cancer due to other causes	2000	0.5293	0.4565	0.6118
Global	Both	1021	Liver cancer due to other causes	2001	0.4845	0.4155	0.5589
Global	Both	1021	Liver cancer due to other causes	2002	0.4320	0.3693	0.5025
Global	Both	1021	Liver cancer due to other causes	2003	0.3896	0.3342	0.4512
Global	Both	1021	Liver cancer due to other causes	2004	0.3597	0.3078	0.4169
Global	Both	1021	Liver cancer due to other causes	2005	0.3462	0.2948	0.4028
Global	Both	1021	Liver cancer due to other causes	2006	0.3390	0.2875	0.3943
Global	Both	1021	Liver cancer due to other causes	2007	0.3335	0.2862	0.3867
Global	Both	1021	Liver cancer due to other causes	2008	0.3336	0.2864	0.3881
Global	Both	1021	Liver cancer due to other causes	2009	0.3292	0.2797	0.3814
Global	Both	1021	Liver cancer due to other causes	2010	0.3248	0.2773	0.3805
Global	Both	1021	Liver cancer due to other causes	2011	0.3199	0.2721	0.3716
Global	Both	1021	Liver cancer due to other causes	2012	0.3165	0.2694	0.3700
Global	Both	1021	Liver cancer due to other causes	2013	0.3167	0.2698	0.3679
Global	Both	1021	Liver cancer due to other causes	2014	0.3190	0.2718	0.3728
Global	Both	1021	Liver cancer due to other causes	2015	0.3216	0.2737	0.3758
Global	Both	1021	Liver cancer due to other causes	2016	0.3231	0.2734	0.3790
Global	Both	1021	Liver cancer due to other causes	2017	0.3229	0.2719	0.3809
Global	Both	1021	Liver cancer due to other causes	2018	0.3214	0.2704	0.3783
Global	Both	1021	Liver cancer due to other causes	2019	0.3198	0.2673	0.3792

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer	1990	5.2689	5.1065	5.3899
High SDI	Both	Liver cancer	1991	5.5535	5.3882	5.6692
High SDI	Both	Liver cancer	1992	5.8429	5.6596	5.9651
High SDI	Both	Liver cancer	1993	6.1178	5.9118	6.2561
High SDI	Both	Liver cancer	1994	6.3682	6.1502	6.5299
High SDI	Both	Liver cancer	1995	6.5825	6.3396	6.7686
High SDI	Both	Liver cancer	1996	6.8435	6.5929	7.0210
High SDI	Both	Liver cancer	1997	7.2002	6.9459	7.3760
High SDI	Both	Liver cancer	1998	7.5731	7.2939	7.7512
High SDI	Both	Liver cancer	1999	7.8956	7.6013	8.0744
High SDI	Both	Liver cancer	2000	8.0980	7.7817	8.2901
High SDI	Both	Liver cancer	2001	8.1898	7.8688	8.3782
High SDI	Both	Liver cancer	2002	8.2461	7.9096	8.4362
High SDI	Both	Liver cancer	2003	8.2672	7.9217	8.4631
High SDI	Both	Liver cancer	2004	8.2722	7.9181	8.4862
High SDI	Both	Liver cancer	2005	8.2771	7.9032	8.5136
High SDI	Both	Liver cancer	2006	8.2638	7.8777	8.4964
High SDI	Both	Liver cancer	2007	8.2218	7.8185	8.4696
High SDI	Both	Liver cancer	2008	8.1538	7.7221	8.4129
High SDI	Both	Liver cancer	2009	8.0784	7.6202	8.3472
High SDI	Both	Liver cancer	2010	8.0056	7.5354	8.2929
High SDI	Both	Liver cancer	2011	7.9264	7.4423	8.1974
High SDI	Both	Liver cancer	2012	7.8320	7.3578	8.0943
High SDI	Both	Liver cancer	2013	7.7317	7.2639	7.9926
High SDI	Both	Liver cancer	2014	7.6453	7.1786	7.9102
High SDI	Both	Liver cancer	2015	7.5888	7.1056	7.8736
High SDI	Both	Liver cancer	2016	7.5423	7.0686	7.8704
High SDI	Both	Liver cancer	2017	7.5203	6.9862	7.9353
High SDI	Both	Liver cancer	2018	7.5481	6.9661	8.0525
High SDI	Both	Liver cancer	2019	7.6123	6.8798	8.3626
High-middle SDI	Both	Liver cancer	1990	9.9198	8.7273	11.2047
High-middle SDI	Both	Liver cancer	1991	10.3180	9.3239	11.3877
High-middle SDI	Both	Liver cancer	1992	10.6412	9.7996	11.5558
High-middle SDI	Both	Liver cancer	1993	10.8914	10.1209	11.7399
High-middle SDI	Both	Liver cancer	1994	11.0798	10.2615	11.9854
High-middle SDI	Both	Liver cancer	1995	11.1879	10.2501	12.2639
High-middle SDI	Both	Liver cancer	1996	11.1865	10.4052	12.0412
High-middle SDI	Both	Liver cancer	1997	11.0355	10.3494	11.7565
High-middle SDI	Both	Liver cancer	1998	10.7753	10.1095	11.4541
High-middle SDI	Both	Liver cancer	1999	10.4632	9.7685	11.2215
High-middle SDI	Both	Liver cancer	2000	10.1247	9.3098	10.9934
High-middle SDI	Both	Liver cancer	2001	9.5082	8.9122	10.1621
High-middle SDI	Both	Liver cancer	2002	8.4698	8.0230	8.9676
High-middle SDI	Both	Liver cancer	2003	7.3002	6.9264	7.6898
High-middle SDI	Both	Liver cancer	2004	6.3075	5.9649	6.6829

High-middle SDI	Both	Liver cancer	2005	5.7957	5.4487	6.2028
High-middle SDI	Both	Liver cancer	2006	5.6641	5.3525	6.0060
High-middle SDI	Both	Liver cancer	2007	5.5774	5.2887	5.8940
High-middle SDI	Both	Liver cancer	2008	5.5242	5.2420	5.8436
High-middle SDI	Both	Liver cancer	2009	5.4904	5.1883	5.8272
High-middle SDI	Both	Liver cancer	2010	5.4577	5.0991	5.8327
High-middle SDI	Both	Liver cancer	2011	5.4110	5.0972	5.7235
High-middle SDI	Both	Liver cancer	2012	5.3499	5.0807	5.6330
High-middle SDI	Both	Liver cancer	2013	5.2918	4.9849	5.5829
High-middle SDI	Both	Liver cancer	2014	5.2512	4.9196	5.5896
High-middle SDI	Both	Liver cancer	2015	5.2424	4.8260	5.6421
High-middle SDI	Both	Liver cancer	2016	5.2539	4.9324	5.6080
High-middle SDI	Both	Liver cancer	2017	5.2711	4.7728	5.7772
High-middle SDI	Both	Liver cancer	2018	5.3000	4.8162	5.7543
High-middle SDI	Both	Liver cancer	2019	5.3384	4.6972	6.0434
Low SDI	Both	Liver cancer	1990	4.0814	3.5849	4.6346
Low SDI	Both	Liver cancer	1991	3.7163	3.2712	4.1839
Low SDI	Both	Liver cancer	1992	3.7479	3.3244	4.1912
Low SDI	Both	Liver cancer	1993	3.7700	3.3401	4.1992
Low SDI	Both	Liver cancer	1994	3.7849	3.3670	4.2024
Low SDI	Both	Liver cancer	1995	3.7918	3.3851	4.2036
Low SDI	Both	Liver cancer	1996	3.7912	3.3880	4.2014
Low SDI	Both	Liver cancer	1997	3.7839	3.3935	4.1891
Low SDI	Both	Liver cancer	1998	3.7700	3.3855	4.1621
Low SDI	Both	Liver cancer	1999	3.7528	3.3745	4.1306
Low SDI	Both	Liver cancer	2000	3.7338	3.3575	4.1240
Low SDI	Both	Liver cancer	2001	3.7147	3.3544	4.0769
Low SDI	Both	Liver cancer	2002	3.6958	3.3507	4.0408
Low SDI	Both	Liver cancer	2003	3.6761	3.3358	4.0114
Low SDI	Both	Liver cancer	2004	3.6561	3.3272	3.9924
Low SDI	Both	Liver cancer	2005	3.6342	3.2905	3.9743
Low SDI	Both	Liver cancer	2006	3.6095	3.2686	3.9426
Low SDI	Both	Liver cancer	2007	3.5810	3.2318	3.9113
Low SDI	Both	Liver cancer	2008	3.7449	3.3832	4.0811
Low SDI	Both	Liver cancer	2009	3.7187	3.3614	4.0692
Low SDI	Both	Liver cancer	2010	3.6954	3.3391	4.0513
Low SDI	Both	Liver cancer	2011	3.6741	3.3151	4.0223
Low SDI	Both	Liver cancer	2012	3.6517	3.2929	4.0044
Low SDI	Both	Liver cancer	2013	3.6293	3.2619	3.9827
Low SDI	Both	Liver cancer	2014	3.6071	3.2370	3.9806
Low SDI	Both	Liver cancer	2015	3.5864	3.2141	3.9842
Low SDI	Both	Liver cancer	2016	3.5612	3.1933	3.9612
Low SDI	Both	Liver cancer	2017	3.5382	3.1716	3.9447
Low SDI	Both	Liver cancer	2018	3.5228	3.1509	3.9251
Low SDI	Both	Liver cancer	2019	3.5087	3.1119	3.9075
Low-middle SDI	Both	Liver cancer	1990	5.3590	4.8518	5.9328
Low-middle SDI	Both	Liver cancer	1991	5.4276	4.9923	5.9351
Low-middle SDI	Both	Liver cancer	1992	5.5265	5.1173	6.0044

Low-middle SDI	Both	Liver cancer	1993	5.5964	5.1705	6.0767
Low-middle SDI	Both	Liver cancer	1994	5.6397	5.1745	6.1639
Low-middle SDI	Both	Liver cancer	1995	5.6502	5.1076	6.2332
Low-middle SDI	Both	Liver cancer	1996	5.6184	5.0962	6.1579
Low-middle SDI	Both	Liver cancer	1997	5.5403	5.0167	6.0471
Low-middle SDI	Both	Liver cancer	1998	5.4282	4.9081	5.9031
Low-middle SDI	Both	Liver cancer	1999	5.2969	4.7597	5.7881
Low-middle SDI	Both	Liver cancer	2000	5.1554	4.6168	5.6358
Low-middle SDI	Both	Liver cancer	2001	4.9517	4.4560	5.3691
Low-middle SDI	Both	Liver cancer	2002	4.6622	4.2029	5.0280
Low-middle SDI	Both	Liver cancer	2003	4.3568	3.9397	4.6945
Low-middle SDI	Both	Liver cancer	2004	4.1046	3.6975	4.4285
Low-middle SDI	Both	Liver cancer	2005	3.9713	3.5675	4.2916
Low-middle SDI	Both	Liver cancer	2006	3.9246	3.5442	4.2311
Low-middle SDI	Both	Liver cancer	2007	3.8850	3.5205	4.1825
Low-middle SDI	Both	Liver cancer	2008	3.8547	3.5114	4.1581
Low-middle SDI	Both	Liver cancer	2009	3.8333	3.4965	4.1325
Low-middle SDI	Both	Liver cancer	2010	3.8205	3.4881	4.1281
Low-middle SDI	Both	Liver cancer	2011	3.8250	3.5055	4.1149
Low-middle SDI	Both	Liver cancer	2012	3.8447	3.5363	4.1153
Low-middle SDI	Both	Liver cancer	2013	3.8732	3.5746	4.1396
Low-middle SDI	Both	Liver cancer	2014	3.9030	3.6065	4.1730
Low-middle SDI	Both	Liver cancer	2015	3.9270	3.6099	4.2030
Low-middle SDI	Both	Liver cancer	2016	3.9583	3.6660	4.2474
Low-middle SDI	Both	Liver cancer	2017	3.9841	3.6500	4.3231
Low-middle SDI	Both	Liver cancer	2018	3.9901	3.6756	4.3297
Low-middle SDI	Both	Liver cancer	2019	3.9858	3.5989	4.4412
Middle SDI	Both	Liver cancer	1990	14.7264	12.8031	17.0448
Middle SDI	Both	Liver cancer	1991	12.6077	11.3363	14.0404
Middle SDI	Both	Liver cancer	1992	12.8708	11.7976	14.0601
Middle SDI	Both	Liver cancer	1993	13.0393	12.0700	14.1117
Middle SDI	Both	Liver cancer	1994	13.1577	12.2233	14.2098
Middle SDI	Both	Liver cancer	1995	13.1899	12.1758	14.3274
Middle SDI	Both	Liver cancer	1996	13.0857	12.2535	14.0328
Middle SDI	Both	Liver cancer	1997	12.8410	12.0812	13.6700
Middle SDI	Both	Liver cancer	1998	12.4923	11.7686	13.2717
Middle SDI	Both	Liver cancer	1999	12.0865	11.2981	12.8983
Middle SDI	Both	Liver cancer	2000	11.6588	10.8261	12.5924
Middle SDI	Both	Liver cancer	2001	10.9365	10.2980	11.6413
Middle SDI	Both	Liver cancer	2002	9.8303	9.3106	10.3948
Middle SDI	Both	Liver cancer	2003	8.6214	8.1745	9.1147
Middle SDI	Both	Liver cancer	2004	7.6206	7.2013	8.1079
Middle SDI	Both	Liver cancer	2005	7.1067	6.6832	7.6296
Middle SDI	Both	Liver cancer	2006	6.9869	6.6133	7.4363
Middle SDI	Both	Liver cancer	2007	6.9394	6.5775	7.3719
Middle SDI	Both	Liver cancer	2008	6.9166	6.5493	7.3538
Middle SDI	Both	Liver cancer	2009	6.9162	6.5212	7.3796
Middle SDI	Both	Liver cancer	2010	6.9156	6.4677	7.4312



Middle SDI	Both	Liver cancer	2011	6.9401	6.5252	7.4185
Middle SDI	Both	Liver cancer	2012	6.9951	6.6113	7.4150
Middle SDI	Both	Liver cancer	2013	7.0696	6.6740	7.4819
Middle SDI	Both	Liver cancer	2014	7.1428	6.6976	7.6169
Middle SDI	Both	Liver cancer	2015	7.1949	6.6792	7.7487
Middle SDI	Both	Liver cancer	2016	7.2577	6.7614	7.7838
Middle SDI	Both	Liver cancer	2017	7.3156	6.5884	8.0902
Middle SDI	Both	Liver cancer	2018	7.3266	6.6686	8.0295
Middle SDI	Both	Liver cancer	2019	7.3183	6.4053	8.2794

location	sex	cause name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer	2019	9.8238	7.6296	12.4442
Albania	Both	Liver cancer	2019	6.5802	4.8229	8.7602
Algeria	Both	Liver cancer	2019	2.2072	1.7311	2.7787
American Samoa	Both	Liver cancer	2019	6.8753	5.6875	8.3507
Andorra	Both	Liver cancer	2019	10.9521	8.2282	14.3711
Angola	Both	Liver cancer	2019	2.3872	1.9201	2.9931
Antigua and Barbuda	Both	Liver cancer	2019	2.6924	2.2943	3.1327
Argentina	Both	Liver cancer	2019	2.0478	1.6099	2.5620
Armenia	Both	Liver cancer	2019	6.6017	5.4677	7.8462
Australia	Both	Liver cancer	2019	4.5250	3.4845	5.8408
Austria	Both	Liver cancer	2019	5.5003	4.4082	6.8865
Azerbaijan	Both	Liver cancer	2019	4.0657	3.1066	5.4604
Bahamas	Both	Liver cancer	2019	3.1000	2.5597	3.8103
Bahrain	Both	Liver cancer	2019	5.5292	4.3933	6.9072
Bangladesh	Both	Liver cancer	2019	2.5824	2.0256	3.2142
Barbados	Both	Liver cancer	2019	2.6317	2.1709	3.1449
Belarus	Both	Liver cancer	2019	2.4899	1.8113	3.3423
Belgium	Both	Liver cancer	2019	4.2705	3.3581	5.4249
Belize	Both	Liver cancer	2019	3.0424	2.6032	3.5223
Benin	Both	Liver cancer	2019	4.7839	3.5731	6.3663
Bermuda	Both	Liver cancer	2019	2.0950	1.7294	2.5629
Bhutan	Both	Liver cancer	2019	3.0351	2.1083	4.2866
Bolivia (Plurinational State of)	Both	Liver cancer	2019	4.5819	3.4102	5.9267
Bosnia and Herzegovina	Both	Liver cancer	2019	7.5280	5.9936	9.4573
Botswana	Both	Liver cancer	2019	1.4698	1.0731	1.9544
Brazil	Both	Liver cancer	2019	2.3681	2.2284	2.4897
Brunei Darussalam	Both	Liver cancer	2019	11.7521	9.9603	13.7786
Bulgaria	Both	Liver cancer	2019	4.5001	3.5781	5.5833
Burkina Faso	Both	Liver cancer	2019	2.1848	1.6585	2.7461
Burundi	Both	Liver cancer	2019	2.8870	1.9845	4.5341
Cabo Verde	Both	Liver cancer	2019	11.5602	9.5165	13.9380
Cambodia	Both	Liver cancer	2019	9.2046	7.2612	11.2641
Cameroon	Both	Liver cancer	2019	0.6507	0.4722	0.8720
Canada	Both	Liver cancer	2019	4.7467	3.6248	6.1138
Central African Republic	Both	Liver cancer	2019	3.1795	2.0820	4.6635
Chad	Both	Liver cancer	2019	5.3092	4.0481	6.8390
Chile	Both	Liver cancer	2019	2.9788	2.3103	3.7527
China	Both	Liver cancer	2019	10.4618	8.7389	12.4212
Colombia	Both	Liver cancer	2019	2.5148	1.9099	3.2225
Comoros	Both	Liver cancer	2019	2.7930	1.9424	4.3321
Congo	Both	Liver cancer	2019	2.8902	2.1101	3.9415
Cook Islands	Both	Liver cancer	2019	11.3722	9.1465	13.9333
Costa Rica	Both	Liver cancer	2019	5.1379	3.9663	6.5138
Côte d'Ivoire	Both	Liver cancer	2019	4.7333	3.4970	6.4314
Croatia	Both	Liver cancer	2019	3.7323	2.9153	4.7490
Cuba	Both	Liver cancer	2019	2.3434	1.8856	2.9025
Cyprus	Both	Liver cancer	2019	3.6935	3.1629	4.3180
Czechia	Both	Liver cancer	2019	2.9639	2.4202	3.6465
Democratic People's Republic of Korea	Both	Liver cancer	2019	10.2314	7.6556	13.3620
Democratic Republic of the Congo	Both	Liver cancer	2019	2.1372	1.6466	2.7875
Denmark	Both	Liver cancer	2019	3.9814	3.1053	5.1006
Djibouti	Both	Liver cancer	2019	3.2154	2.0749	5.2263
Dominica	Both	Liver cancer	2019	3.1836	2.5828	3.9490
Dominican Republic	Both	Liver cancer	2019	4.6432	3.1586	6.9938
Ecuador	Both	Liver cancer	2019	3.4023	2.7167	4.3673
Egypt	Both	Liver cancer	2019	20.9231	15.0896	28.5050
El Salvador	Both	Liver cancer	2019	1.9851	1.5038	2.5900
Equatorial Guinea	Both	Liver cancer	2019	3.1750	1.8656	4.6291
Eritrea	Both	Liver cancer	2019	3.1010	2.1720	4.4110
Estonia	Both	Liver cancer	2019	3.7079	2.8380	4.7050
Eswatini	Both	Liver cancer	2019	18.4271	5.6109	32.9717
Ethiopia	Both	Liver cancer	2019	2.7326	2.2069	3.4712
Fiji	Both	Liver cancer	2019	6.0363	4.6714	7.6245
Finland	Both	Liver cancer	2019	5.5443	4.3488	7.1374
France	Both	Liver cancer	2019	6.6556	5.0450	8.7220
Gabon	Both	Liver cancer	2019	3.2692	2.1539	4.6657
Gambia	Both	Liver cancer	2019	38.2137	27.5292	49.6672
Georgia	Both	Liver cancer	2019	3.5217	2.8664	4.3153
Germany	Both	Liver cancer	2019	5.0652	3.9559	6.4352
Ghana	Both	Liver cancer	2019	5.6776	4.3083	7.2017

Greece	Both	Liver cancer	2019	3.5182	2.7831	4.4241
Greenland	Both	Liver cancer	2019	6.1993	4.9307	7.7353
Grenada	Both	Liver cancer	2019	2.9618	2.6116	3.3614
Guam	Both	Liver cancer	2019	5.8940	4.8006	7.1923
Guatemala	Both	Liver cancer	2019	4.4690	3.5532	5.5999
Guinea	Both	Liver cancer	2019	32.1664	22.3270	41.8963
Guinea-Bissau	Both	Liver cancer	2019	6.1199	4.4470	8.2832
Guyana	Both	Liver cancer	2019	3.0254	2.3602	3.8414
Haiti	Both	Liver cancer	2019	4.1352	2.4924	6.2639
Honduras	Both	Liver cancer	2019	14.7957	6.8048	21.6973
Hungary	Both	Liver cancer	2019	2.5796	2.1081	3.1566
Iceland	Both	Liver cancer	2019	3.5237	3.0554	4.0473
India	Both	Liver cancer	2019	2.6122	2.1995	3.0953
Indonesia	Both	Liver cancer	2019	2.2272	1.9022	2.5113
Iran (Islamic Republic of)	Both	Liver cancer	2019	3.8523	3.4990	4.2500
Iraq	Both	Liver cancer	2019	6.0899	4.7064	7.5699
Ireland	Both	Liver cancer	2019	3.9988	3.0731	5.1033
Israel	Both	Liver cancer	2019	2.9725	2.3089	3.7927
Italy	Both	Liver cancer	2019	5.9702	4.8115	7.3694
Jamaica	Both	Liver cancer	2019	2.6065	2.0661	3.2548
Japan	Both	Liver cancer	2019	12.7121	10.5066	14.9821
Jordan	Both	Liver cancer	2019	2.4629	1.9825	3.0352
Kazakhstan	Both	Liver cancer	2019	6.2986	5.4253	7.2418
Kenya	Both	Liver cancer	2019	2.9025	1.9221	4.2513
Kiribati	Both	Liver cancer	2019	11.6871	9.0892	14.6587
Kuwait	Both	Liver cancer	2019	2.7472	2.1680	3.4191
Kyrgyzstan	Both	Liver cancer	2019	2.5364	2.1635	2.9106
Lao People's Democratic Republic	Both	Liver cancer	2019	6.7250	5.0563	8.5425
Latvia	Both	Liver cancer	2019	2.6769	2.2152	3.2632
Lebanon	Both	Liver cancer	2019	3.6710	2.7404	5.0929
Lesotho	Both	Liver cancer	2019	14.4404	6.0458	22.7030
Liberia	Both	Liver cancer	2019	4.9245	3.5952	7.2380
Libya	Both	Liver cancer	2019	5.1812	3.8791	7.0545
Lithuania	Both	Liver cancer	2019	3.1994	2.5009	3.9501
Luxembourg	Both	Liver cancer	2019	4.0268	3.1406	5.2521
Madagascar	Both	Liver cancer	2019	2.4441	1.6630	3.7233
Malawi	Both	Liver cancer	2019	2.8245	2.2314	3.5356
Malaysia	Both	Liver cancer	2019	6.0767	4.6498	7.8293
Maldives	Both	Liver cancer	2019	5.4747	4.3105	6.7044
Mali	Both	Liver cancer	2019	14.4646	10.7462	18.9840
Malta	Both	Liver cancer	2019	2.5012	2.1061	2.9516
Marshall Islands	Both	Liver cancer	2019	10.2175	7.3816	13.8439
Mauritania	Both	Liver cancer	2019	4.0964	3.0346	5.2912
Mauritius	Both	Liver cancer	2019	1.9312	1.4879	2.4891
Mexico	Both	Liver cancer	2019	3.4565	2.9896	3.9550
Micronesia (Federated States of)	Both	Liver cancer	2019	10.3720	6.9292	14.5089
Monaco	Both	Liver cancer	2019	9.0424	7.1270	11.2814
Mongolia	Both	Liver cancer	2019	105.2169	82.5701	131.4604
Montenegro	Both	Liver cancer	2019	5.9684	4.8200	7.3064
Morocco	Both	Liver cancer	2019	2.1593	1.6498	2.6292
Mozambique	Both	Liver cancer	2019	3.6729	2.5467	4.8495
Myanmar	Both	Liver cancer	2019	4.1055	3.4555	4.8810
Namibia	Both	Liver cancer	2019	3.2788	2.4967	4.1995
Nauru	Both	Liver cancer	2019	9.1745	6.5027	12.5875
Nepal	Both	Liver cancer	2019	2.1306	1.5351	3.0509
Netherlands	Both	Liver cancer	2019	3.3297	2.5794	4.1915
New Zealand	Both	Liver cancer	2019	4.9607	4.0868	6.0157
Nicaragua	Both	Liver cancer	2019	3.7876	3.0860	4.6262
Niger	Both	Liver cancer	2019	0.6065	0.4545	0.8015
Nigeria	Both	Liver cancer	2019	3.2500	2.5609	4.0369
Niue	Both	Liver cancer	2019	7.3747	5.6520	9.4637
North Macedonia	Both	Liver cancer	2019	8.3946	6.6486	10.6462
Northern Mariana Islands	Both	Liver cancer	2019	7.9693	6.5838	9.7019
Norway	Both	Liver cancer	2019	2.9106	2.4190	3.5084
Oman	Both	Liver cancer	2019	5.2689	4.4686	6.2997
Pakistan	Both	Liver cancer	2019	3.2725	2.5642	4.0211
Palau	Both	Liver cancer	2019	9.9689	7.6824	12.9367
Palestine	Both	Liver cancer	2019	6.5589	5.5216	7.8751
Panama	Both	Liver cancer	2019	2.9269	2.2274	3.7702
Papua New Guinea	Both	Liver cancer	2019	1.5309	1.1911	1.9630
Paraguay	Both	Liver cancer	2019	2.0533	1.5390	2.6691
Peru	Both	Liver cancer	2019	2.5996	1.9348	3.4514
Philippines	Both	Liver cancer	2019	6.3814	5.1582	7.8390
Poland	Both	Liver cancer	2019	1.9456	1.6311	2.3111

Portugal	Both	Liver cancer	2019	4.8950	3.7945	6.2642
Puerto Rico	Both	Liver cancer	2019	2.7625	2.0554	3.5914
Qatar	Both	Liver cancer	2019	17.3936	12.8311	22.9105
Republic of Korea	Both	Liver cancer	2019	22.7979	18.7239	27.3240
Republic of Moldova	Both	Liver cancer	2019	2.3017	1.9511	2.7032
Romania	Both	Liver cancer	2019	3.0200	2.4515	3.6972
Russian Federation	Both	Liver cancer	2019	2.9117	2.4591	3.4434
Rwanda	Both	Liver cancer	2019	4.4002	3.4819	5.6545
Saint Kitts and Nevis	Both	Liver cancer	2019	3.7324	3.1221	4.4416
Saint Lucia	Both	Liver cancer	2019	2.1601	1.7994	2.5892
Saint Vincent and the Grenadines	Both	Liver cancer	2019	2.9743	2.5745	3.4394
Samoa	Both	Liver cancer	2019	4.9870	3.8243	6.2927
San Marino	Both	Liver cancer	2019	3.2179	2.4489	4.2889
Sao Tome and Principe	Both	Liver cancer	2019	2.6357	1.7738	3.4804
Saudi Arabia	Both	Liver cancer	2019	5.2900	4.1678	6.6912
Senegal	Both	Liver cancer	2019	2.0651	1.5472	2.6028
Serbia	Both	Liver cancer	2019	5.4238	4.2819	6.8195
Seychelles	Both	Liver cancer	2019	5.5575	4.6831	6.5839
Sierra Leone	Both	Liver cancer	2019	4.6155	3.4999	6.0277
Singapore	Both	Liver cancer	2019	11.4961	9.2412	14.4128
Slovakia	Both	Liver cancer	2019	3.4127	2.6601	4.3307
Slovenia	Both	Liver cancer	2019	5.3006	4.0430	6.8267
Solomon Islands	Both	Liver cancer	2019	5.3652	4.2977	6.5502
Somalia	Both	Liver cancer	2019	3.3291	2.1482	5.9148
South Africa	Both	Liver cancer	2019	5.5952	4.9405	6.3469
South Sudan	Both	Liver cancer	2019	2.7379	1.6447	4.7660
Spain	Both	Liver cancer	2019	6.0098	4.6329	7.7162
Sri Lanka	Both	Liver cancer	2019	2.8010	2.0559	3.7184
Sudan	Both	Liver cancer	2019	3.6954	2.1932	5.7576
Suriname	Both	Liver cancer	2019	2.5973	2.0928	3.2261
Sweden	Both	Liver cancer	2019	3.0436	2.5648	3.5885
Switzerland	Both	Liver cancer	2019	5.7922	4.4430	7.5929
Syrian Arab Republic	Both	Liver cancer	2019	4.4959	3.4163	5.8979
Taiwan (Province of China)	Both	Liver cancer	2019	8.6495	6.7335	11.1497
Tajikistan	Both	Liver cancer	2019	3.6964	2.9637	4.6628
Thailand	Both	Liver cancer	2019	24.1777	17.8872	32.0059
Timor-Leste	Both	Liver cancer	2019	6.1872	4.1832	8.5717
Togo	Both	Liver cancer	2019	4.9500	3.8264	6.3673
Tokelau	Both	Liver cancer	2019	7.3186	5.2868	9.8984
Tonga	Both	Liver cancer	2019	24.3274	17.6504	31.8953
Trinidad and Tobago	Both	Liver cancer	2019	2.5132	1.9005	3.2888
Tunisia	Both	Liver cancer	2019	1.9380	1.3821	2.6882
Turkey	Both	Liver cancer	2019	3.2060	2.5514	3.9518
Turkmenistan	Both	Liver cancer	2019	5.5506	4.3805	7.0128
Tuvalu	Both	Liver cancer	2019	8.4677	6.2430	11.3217
Uganda	Both	Liver cancer	2019	6.0610	4.8119	7.5146
Ukraine	Both	Liver cancer	2019	2.6734	2.2680	3.1903
United Arab Emirates	Both	Liver cancer	2019	4.7317	2.0065	10.8226
United Kingdom	Both	Liver cancer	2019	5.0822	4.1952	6.1080
United Republic of Tanzania	Both	Liver cancer	2019	2.2462	1.7885	2.8035
United States of America	Both	Liver cancer	2019	5.2274	4.2756	6.2854
United States Virgin Islands	Both	Liver cancer	2019	2.4932	2.0571	2.9536
Uruguay	Both	Liver cancer	2019	2.2783	1.7679	2.8991
Uzbekistan	Both	Liver cancer	2019	6.3376	5.2666	7.4613
Vanuatu	Both	Liver cancer	2019	9.0537	6.2065	12.8526
Venezuela (Bolivarian Republic of)	Both	Liver cancer	2019	2.2886	1.7668	2.9710
Viet Nam	Both	Liver cancer	2019	2.6104	2.0269	3.2621
Yemen	Both	Liver cancer	2019	3.2002	2.3247	4.3298
Zambia	Both	Liver cancer	2019	2.7463	2.1397	3.4067
Zimbabwe	Both	Liver cancer	2019	13.6417	10.2676	18.1254

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer	1990	12.8968	11.2987	14.6730
Global	Female	Liver cancer	1990	5.3255	4.6723	6.0859
Global	Both	Liver cancer	1990	8.9266	8.0853	9.9046
Global	Male	Liver cancer	1991	13.2971	11.8088	14.9741
Global	Female	Liver cancer	1991	5.3857	4.7561	6.1725
Global	Both	Liver cancer	1991	9.1516	8.3328	10.1192
Global	Male	Liver cancer	1992	13.6416	12.2512	15.2032
Global	Female	Liver cancer	1992	5.4467	4.8508	6.1448
Global	Both	Liver cancer	1992	9.3497	8.5954	10.1899
Global	Male	Liver cancer	1993	14.0147	12.6383	15.5773
Global	Female	Liver cancer	1993	5.5090	4.9574	6.1496
Global	Both	Liver cancer	1993	9.5602	8.8241	10.3545
Global	Male	Liver cancer	1994	14.3665	13.1092	15.7533
Global	Female	Liver cancer	1994	5.5657	5.0458	6.1498
Global	Both	Liver cancer	1994	9.7553	9.0674	10.4672
Global	Male	Liver cancer	1995	14.6266	13.4614	15.9782
Global	Female	Liver cancer	1995	5.5912	5.0864	6.1673
Global	Both	Liver cancer	1995	9.8910	9.2544	10.5513
Global	Male	Liver cancer	1996	14.7637	13.6466	15.9906
Global	Female	Liver cancer	1996	5.5877	5.1501	6.1122
Global	Both	Liver cancer	1996	9.9500	9.3223	10.5975
Global	Male	Liver cancer	1997	14.7075	13.6255	15.8841
Global	Female	Liver cancer	1997	5.5306	5.1357	6.0455
Global	Both	Liver cancer	1997	9.8904	9.3470	10.4845
Global	Male	Liver cancer	1998	14.6502	13.6535	15.7752
Global	Female	Liver cancer	1998	5.4644	5.0582	5.8767
Global	Both	Liver cancer	1998	9.8253	9.2660	10.4292
Global	Male	Liver cancer	1999	14.4500	13.4135	15.5632
Global	Female	Liver cancer	1999	5.3877	4.9925	5.8055
Global	Both	Liver cancer	1999	9.6898	9.1288	10.2539
Global	Male	Liver cancer	2000	13.8587	12.7384	14.8912
Global	Female	Liver cancer	2000	5.1709	4.7724	5.5805
Global	Both	Liver cancer	2000	9.2929	8.7245	9.8487
Global	Male	Liver cancer	2001	12.8253	11.7271	13.8570
Global	Female	Liver cancer	2001	4.8215	4.4713	5.1988
Global	Both	Liver cancer	2001	8.6112	8.0469	9.1397
Global	Male	Liver cancer	2002	11.4823	10.6955	12.2924
Global	Female	Liver cancer	2002	4.4673	4.1528	4.7990
Global	Both	Liver cancer	2002	7.7812	7.3505	8.2013
Global	Male	Liver cancer	2003	10.4105	9.8229	11.0468
Global	Female	Liver cancer	2003	4.1544	3.8622	4.4447
Global	Both	Liver cancer	2003	7.1026	6.7585	7.4462
Global	Male	Liver cancer	2004	9.6332	9.1418	10.2278

Global	Female	Liver cancer	2004	3.9173	3.6593	4.1556
Global	Both	Liver cancer	2004	6.6059	6.2789	6.9121
Global	Male	Liver cancer	2005	9.2908	8.8049	9.7993
Global	Female	Liver cancer	2005	3.8087	3.5375	4.0360
Global	Both	Liver cancer	2005	6.3840	6.0836	6.6869
Global	Male	Liver cancer	2006	9.0946	8.6422	9.5823
Global	Female	Liver cancer	2006	3.7654	3.4905	4.0009
Global	Both	Liver cancer	2006	6.2693	5.9601	6.5410
Global	Male	Liver cancer	2007	8.9944	8.5387	9.4163
Global	Female	Liver cancer	2007	3.7188	3.4330	3.9106
Global	Both	Liver cancer	2007	6.1981	5.8843	6.4535
Global	Male	Liver cancer	2008	9.0007	8.5479	9.4522
Global	Female	Liver cancer	2008	3.7191	3.4395	3.9066
Global	Both	Liver cancer	2008	6.2021	5.8744	6.4615
Global	Male	Liver cancer	2009	8.8880	8.4333	9.3453
Global	Female	Liver cancer	2009	3.6677	3.3933	3.8714
Global	Both	Liver cancer	2009	6.1221	5.7914	6.3898
Global	Male	Liver cancer	2010	8.7754	8.3054	9.2683
Global	Female	Liver cancer	2010	3.6273	3.3555	3.8315
Global	Both	Liver cancer	2010	6.0470	5.7223	6.3328
Global	Male	Liver cancer	2011	8.6544	8.1642	9.1895
Global	Female	Liver cancer	2011	3.5760	3.2962	3.7832
Global	Both	Liver cancer	2011	5.9621	5.6220	6.2681
Global	Male	Liver cancer	2012	8.5951	8.1338	9.1220
Global	Female	Liver cancer	2012	3.5216	3.2614	3.7277
Global	Both	Liver cancer	2012	5.9060	5.6022	6.2013
Global	Male	Liver cancer	2013	8.6000	8.1007	9.1460
Global	Female	Liver cancer	2013	3.5046	3.2065	3.7122
Global	Both	Liver cancer	2013	5.8996	5.5403	6.2115
Global	Male	Liver cancer	2014	8.6631	8.1018	9.2169
Global	Female	Liver cancer	2014	3.5050	3.2154	3.7424
Global	Both	Liver cancer	2014	5.9300	5.5874	6.2409
Global	Male	Liver cancer	2015	8.7445	8.1942	9.3227
Global	Female	Liver cancer	2015	3.5092	3.2042	3.7397
Global	Both	Liver cancer	2015	5.9710	5.6239	6.2897
Global	Male	Liver cancer	2016	8.7728	8.1525	9.4559
Global	Female	Liver cancer	2016	3.5014	3.1815	3.7582
Global	Both	Liver cancer	2016	5.9817	5.5709	6.3695
Global	Male	Liver cancer	2017	8.7580	8.0348	9.4855
Global	Female	Liver cancer	2017	3.4790	3.1459	3.7785
Global	Both	Liver cancer	2017	5.9640	5.5181	6.3747
Global	Male	Liver cancer	2018	8.7253	7.9277	9.5034
Global	Female	Liver cancer	2018	3.4694	3.1008	3.8063
Global	Both	Liver cancer	2018	5.9448	5.4656	6.4166
Global	Male	Liver cancer	2019	8.7309	7.8782	9.6023
Global	Female	Liver cancer	2019	3.4642	3.0808	3.8320

Global	Both	Liver cancer	2019	5.9456	5.4438	6.4394
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location	sex	cause_id	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Both	418	Liver cancer due to hepatitis B	1990	4.4701	3.8176	5.2233
Global	Both	418	Liver cancer due to hepatitis B	1991	4.6028	3.9725	5.3039
Global	Both	418	Liver cancer due to hepatitis B	1992	4.7144	4.1013	5.3498
Global	Both	418	Liver cancer due to hepatitis B	1993	4.8260	4.2471	5.4764
Global	Both	418	Liver cancer due to hepatitis B	1994	4.9315	4.3606	5.5240
Global	Both	418	Liver cancer due to hepatitis B	1995	4.9911	4.4587	5.6217
Global	Both	418	Liver cancer due to hepatitis B	1996	5.0109	4.5010	5.5521
Global	Both	418	Liver cancer due to hepatitis B	1997	4.9614	4.4578	5.5009
Global	Both	418	Liver cancer due to hepatitis B	1998	4.9023	4.4143	5.4515
Global	Both	418	Liver cancer due to hepatitis B	1999	4.8023	4.3539	5.3285
Global	Both	418	Liver cancer due to hepatitis B	2000	4.5445	4.0685	5.0296
Global	Both	418	Liver cancer due to hepatitis B	2001	4.0978	3.6477	4.5590
Global	Both	418	Liver cancer due to hepatitis B	2002	3.5312	3.1556	3.9310
Global	Both	418	Liver cancer due to hepatitis B	2003	3.0669	2.7484	3.4364
Global	Both	418	Liver cancer due to hepatitis B	2004	2.7347	2.4427	3.0397
Global	Both	418	Liver cancer due to hepatitis B	2005	2.5765	2.3028	2.8720
Global	Both	418	Liver cancer due to hepatitis B	2006	2.4961	2.2287	2.7647
Global	Both	418	Liver cancer due to hepatitis B	2007	2.4495	2.1906	2.7174
Global	Both	418	Liver cancer due to hepatitis B	2008	2.4481	2.2079	2.7017
Global	Both	418	Liver cancer due to hepatitis B	2009	2.3964	2.1526	2.6800
Global	Both	418	Liver cancer due to hepatitis B	2010	2.3494	2.0957	2.6387
Global	Both	418	Liver cancer due to hepatitis B	2011	2.2965	2.0464	2.5610
Global	Both	418	Liver cancer due to hepatitis B	2012	2.2644	2.0038	2.5394
Global	Both	418	Liver cancer due to hepatitis B	2013	2.2625	1.9911	2.5389
Global	Both	418	Liver cancer due to hepatitis B	2014	2.2847	2.0148	2.5667
Global	Both	418	Liver cancer due to hepatitis B	2015	2.3079	2.0327	2.6191
Global	Both	418	Liver cancer due to hepatitis B	2016	2.3214	2.0351	2.6475
Global	Both	418	Liver cancer due to hepatitis B	2017	2.3188	2.0074	2.6613
Global	Both	418	Liver cancer due to hepatitis B	2018	2.3071	1.9593	2.6805
Global	Both	418	Liver cancer due to hepatitis B	2019	2.3060	1.9452	2.6896
Global	Both	419	Liver cancer due to hepatitis C	1990	2.2477	1.9689	2.5443
Global	Both	419	Liver cancer due to hepatitis C	1991	2.2981	2.0184	2.6058
Global	Both	419	Liver cancer due to hepatitis C	1992	2.3473	2.0730	2.6433
Global	Both	419	Liver cancer due to hepatitis C	1993	2.4049	2.1115	2.6855
Global	Both	419	Liver cancer due to hepatitis C	1994	2.4555	2.1628	2.7304
Global	Both	419	Liver cancer due to hepatitis C	1995	2.5078	2.2219	2.7817
Global	Both	419	Liver cancer due to hepatitis C	1996	2.5370	2.2576	2.8119
Global	Both	419	Liver cancer due to hepatitis C	1997	2.5396	2.2603	2.8093
Global	Both	419	Liver cancer due to hepatitis C	1998	2.5417	2.2487	2.8032
Global	Both	419	Liver cancer due to hepatitis C	1999	2.5269	2.2548	2.7979
Global	Both	419	Liver cancer due to hepatitis C	2000	2.4546	2.1822	2.7132
Global	Both	419	Liver cancer due to hepatitis C	2001	2.3394	2.0693	2.5888
Global	Both	419	Liver cancer due to hepatitis C	2002	2.2118	1.9530	2.4515
Global	Both	419	Liver cancer due to hepatitis C	2003	2.1086	1.8682	2.3322
Global	Both	419	Liver cancer due to hepatitis C	2004	2.0246	1.7950	2.2486
Global	Both	419	Liver cancer due to hepatitis C	2005	1.9869	1.7571	2.2043
Global	Both	419	Liver cancer due to hepatitis C	2006	1.9639	1.7331	2.1832
Global	Both	419	Liver cancer due to hepatitis C	2007	1.9417	1.7053	2.1576
Global	Both	419	Liver cancer due to hepatitis C	2008	1.9337	1.7003	2.1564
Global	Both	419	Liver cancer due to hepatitis C	2009	1.9112	1.6763	2.1376
Global	Both	419	Liver cancer due to hepatitis C	2010	1.8859	1.6445	2.1096
Global	Both	419	Liver cancer due to hepatitis C	2011	1.8609	1.6180	2.0847
Global	Both	419	Liver cancer due to hepatitis C	2012	1.8389	1.6054	2.0633
Global	Both	419	Liver cancer due to hepatitis C	2013	1.8264	1.5903	2.0462
Global	Both	419	Liver cancer due to hepatitis C	2014	1.8220	1.5841	2.0418



Global	Both	419	Liver cancer due to hepatitis C	2015	1.8210	1.5666	2.0487
Global	Both	419	Liver cancer due to hepatitis C	2016	1.8095	1.5604	2.0391
Global	Both	419	Liver cancer due to hepatitis C	2017	1.7936	1.5494	2.0305
Global	Both	419	Liver cancer due to hepatitis C	2018	1.7871	1.5451	2.0308
Global	Both	419	Liver cancer due to hepatitis C	2019	1.7840	1.5276	2.0351
Global	Both	420	Liver cancer due to alcohol use	1990	1.2006	0.9737	1.4637
Global	Both	420	Liver cancer due to alcohol use	1991	1.2227	0.9850	1.5013
Global	Both	420	Liver cancer due to alcohol use	1992	1.2420	1.0176	1.4998
Global	Both	420	Liver cancer due to alcohol use	1993	1.2641	1.0359	1.5327
Global	Both	420	Liver cancer due to alcohol use	1994	1.2824	1.0529	1.5497
Global	Both	420	Liver cancer due to alcohol use	1995	1.2942	1.0623	1.5632
Global	Both	420	Liver cancer due to alcohol use	1996	1.3002	1.0697	1.5641
Global	Both	420	Liver cancer due to alcohol use	1997	1.2944	1.0665	1.5619
Global	Both	420	Liver cancer due to alcohol use	1998	1.2939	1.0640	1.5549
Global	Both	420	Liver cancer due to alcohol use	1999	1.2875	1.0546	1.5563
Global	Both	420	Liver cancer due to alcohol use	2000	1.2620	1.0453	1.5214
Global	Both	420	Liver cancer due to alcohol use	2001	1.2123	1.0025	1.4543
Global	Both	420	Liver cancer due to alcohol use	2002	1.1587	0.9582	1.3883
Global	Both	420	Liver cancer due to alcohol use	2003	1.1144	0.9214	1.3384
Global	Both	420	Liver cancer due to alcohol use	2004	1.0818	0.8991	1.2975
Global	Both	420	Liver cancer due to alcohol use	2005	1.0749	0.8924	1.2821
Global	Both	420	Liver cancer due to alcohol use	2006	1.0717	0.8865	1.2769
Global	Both	420	Liver cancer due to alcohol use	2007	1.0741	0.8909	1.2769
Global	Both	420	Liver cancer due to alcohol use	2008	1.0830	0.8973	1.2908
Global	Both	420	Liver cancer due to alcohol use	2009	1.0815	0.8960	1.2791
Global	Both	420	Liver cancer due to alcohol use	2010	1.0824	0.8974	1.2904
Global	Both	420	Liver cancer due to alcohol use	2011	1.0798	0.8960	1.2800
Global	Both	420	Liver cancer due to alcohol use	2012	1.0795	0.8904	1.2842
Global	Both	420	Liver cancer due to alcohol use	2013	1.0821	0.8939	1.2872
Global	Both	420	Liver cancer due to alcohol use	2014	1.0863	0.8945	1.2869
Global	Both	420	Liver cancer due to alcohol use	2015	1.0965	0.9056	1.3043
Global	Both	420	Liver cancer due to alcohol use	2016	1.1016	0.9092	1.3190
Global	Both	420	Liver cancer due to alcohol use	2017	1.1021	0.9087	1.3087
Global	Both	420	Liver cancer due to alcohol use	2018	1.1012	0.8948	1.3162
Global	Both	420	Liver cancer due to alcohol use	2019	1.1045	0.8925	1.3287
Global	Both	996	Liver cancer due to NASH	1990	0.4552	0.3752	0.5520
Global	Both	996	Liver cancer due to NASH	1991	0.4656	0.3826	0.5592
Global	Both	996	Liver cancer due to NASH	1992	0.4757	0.3932	0.5710
Global	Both	996	Liver cancer due to NASH	1993	0.4865	0.4063	0.5833
Global	Both	996	Liver cancer due to NASH	1994	0.4966	0.4112	0.5935
Global	Both	996	Liver cancer due to NASH	1995	0.5041	0.4255	0.6019
Global	Both	996	Liver cancer due to NASH	1996	0.5102	0.4268	0.6115
Global	Both	996	Liver cancer due to NASH	1997	0.5128	0.4289	0.6107
Global	Both	996	Liver cancer due to NASH	1998	0.5155	0.4340	0.6157
Global	Both	996	Liver cancer due to NASH	1999	0.5150	0.4297	0.6145
Global	Both	996	Liver cancer due to NASH	2000	0.5024	0.4175	0.6031
Global	Both	996	Liver cancer due to NASH	2001	0.4773	0.3971	0.5729
Global	Both	996	Liver cancer due to NASH	2002	0.4476	0.3752	0.5414
Global	Both	996	Liver cancer due to NASH	2003	0.4230	0.3506	0.5159
Global	Both	996	Liver cancer due to NASH	2004	0.4050	0.3325	0.4926
Global	Both	996	Liver cancer due to NASH	2005	0.3995	0.3290	0.4876
Global	Both	996	Liver cancer due to NASH	2006	0.3987	0.3279	0.4863
Global	Both	996	Liver cancer due to NASH	2007	0.3994	0.3260	0.4875
Global	Both	996	Liver cancer due to NASH	2008	0.4037	0.3315	0.4950
Global	Both	996	Liver cancer due to NASH	2009	0.4037	0.3321	0.4974
Global	Both	996	Liver cancer due to NASH	2010	0.4044	0.3333	0.4940
Global	Both	996	Liver cancer due to NASH	2011	0.4050	0.3311	0.4964
Global	Both	996	Liver cancer due to NASH	2012	0.4067	0.3325	0.4967
Global	Both	996	Liver cancer due to NASH	2013	0.4119	0.3384	0.5050

Global	Both	996	Liver cancer due to NASH	2014	0.4180	0.3426	0.5121
Global	Both	996	Liver cancer due to NASH	2015	0.4240	0.3488	0.5182
Global	Both	996	Liver cancer due to NASH	2016	0.4262	0.3477	0.5216
Global	Both	996	Liver cancer due to NASH	2017	0.4265	0.3487	0.5238
Global	Both	996	Liver cancer due to NASH	2018	0.4281	0.3478	0.5247
Global	Both	996	Liver cancer due to NASH	2019	0.4312	0.3526	0.5339
Global	Both	1021	Liver cancer due to other causes	1990	0.5530	0.4593	0.6638
Global	Both	1021	Liver cancer due to other causes	1991	0.5624	0.4715	0.6718
Global	Both	1021	Liver cancer due to other causes	1992	0.5703	0.4774	0.6737
Global	Both	1021	Liver cancer due to other causes	1993	0.5788	0.4925	0.6723
Global	Both	1021	Liver cancer due to other causes	1994	0.5893	0.5033	0.6818
Global	Both	1021	Liver cancer due to other causes	1995	0.5938	0.5105	0.6837
Global	Both	1021	Liver cancer due to other causes	1996	0.5917	0.5086	0.6849
Global	Both	1021	Liver cancer due to other causes	1997	0.5822	0.5012	0.6699
Global	Both	1021	Liver cancer due to other causes	1998	0.5719	0.4920	0.6563
Global	Both	1021	Liver cancer due to other causes	1999	0.5582	0.4826	0.6424
Global	Both	1021	Liver cancer due to other causes	2000	0.5293	0.4565	0.6118
Global	Both	1021	Liver cancer due to other causes	2001	0.4845	0.4155	0.5589
Global	Both	1021	Liver cancer due to other causes	2002	0.4320	0.3693	0.5025
Global	Both	1021	Liver cancer due to other causes	2003	0.3896	0.3342	0.4512
Global	Both	1021	Liver cancer due to other causes	2004	0.3597	0.3078	0.4169
Global	Both	1021	Liver cancer due to other causes	2005	0.3462	0.2948	0.4028
Global	Both	1021	Liver cancer due to other causes	2006	0.3390	0.2875	0.3943
Global	Both	1021	Liver cancer due to other causes	2007	0.3335	0.2862	0.3867
Global	Both	1021	Liver cancer due to other causes	2008	0.3336	0.2864	0.3881
Global	Both	1021	Liver cancer due to other causes	2009	0.3292	0.2797	0.3814
Global	Both	1021	Liver cancer due to other causes	2010	0.3248	0.2773	0.3805
Global	Both	1021	Liver cancer due to other causes	2011	0.3199	0.2721	0.3716
Global	Both	1021	Liver cancer due to other causes	2012	0.3165	0.2694	0.3700
Global	Both	1021	Liver cancer due to other causes	2013	0.3167	0.2698	0.3679
Global	Both	1021	Liver cancer due to other causes	2014	0.3190	0.2718	0.3728
Global	Both	1021	Liver cancer due to other causes	2015	0.3216	0.2737	0.3758
Global	Both	1021	Liver cancer due to other causes	2016	0.3231	0.2734	0.3790
Global	Both	1021	Liver cancer due to other causes	2017	0.3229	0.2719	0.3809
Global	Both	1021	Liver cancer due to other causes	2018	0.3214	0.2704	0.3783
Global	Both	1021	Liver cancer due to other causes	2019	0.3198	0.2673	0.3792

location	sex	cause_id	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	417	Liver cancer	1990	4.6949	4.5380	4.8126
High SDI	Both	417	Liver cancer	1991	4.8192	4.6580	4.9313
High SDI	Both	417	Liver cancer	1992	4.9802	4.8100	5.0918
High SDI	Both	417	Liver cancer	1993	5.1637	4.9820	5.2955
High SDI	Both	417	Liver cancer	1994	5.3687	5.1711	5.4994
High SDI	Both	417	Liver cancer	1995	5.6602	5.4417	5.8125
High SDI	Both	417	Liver cancer	1996	5.8969	5.6619	6.0392
High SDI	Both	417	Liver cancer	1997	6.1345	5.8823	6.2764
High SDI	Both	417	Liver cancer	1998	6.4706	6.2079	6.6284
High SDI	Both	417	Liver cancer	1999	6.7153	6.4332	6.8750
High SDI	Both	417	Liver cancer	2000	6.8285	6.5433	6.9877
High SDI	Both	417	Liver cancer	2001	6.8159	6.5041	6.9824
High SDI	Both	417	Liver cancer	2002	6.7447	6.4224	6.9180
High SDI	Both	417	Liver cancer	2003	6.7602	6.4288	6.9319
High SDI	Both	417	Liver cancer	2004	6.7010	6.3523	6.8783
High SDI	Both	417	Liver cancer	2005	6.6494	6.3025	6.8366
High SDI	Both	417	Liver cancer	2006	6.5784	6.2191	6.7676
High SDI	Both	417	Liver cancer	2007	6.5135	6.1336	6.7219
High SDI	Both	417	Liver cancer	2008	6.4246	6.0309	6.6557
High SDI	Both	417	Liver cancer	2009	6.3198	5.9115	6.5476
High SDI	Both	417	Liver cancer	2010	6.2391	5.8254	6.4797
High SDI	Both	417	Liver cancer	2011	6.1649	5.7368	6.3981
High SDI	Both	417	Liver cancer	2012	6.0827	5.6568	6.3052
High SDI	Both	417	Liver cancer	2013	5.9970	5.5786	6.2088
High SDI	Both	417	Liver cancer	2014	5.9252	5.5067	6.1426
High SDI	Both	417	Liver cancer	2015	5.8897	5.4837	6.1139
High SDI	Both	417	Liver cancer	2016	5.8620	5.4569	6.0988
High SDI	Both	417	Liver cancer	2017	5.8309	5.4052	6.0974
High SDI	Both	417	Liver cancer	2018	5.8567	5.4249	6.1545
High SDI	Both	417	Liver cancer	2019	5.8902	5.4415	6.2083
High-middle SDI	Both	417	Liver cancer	1990	9.9584	8.7482	11.2725
High-middle SDI	Both	417	Liver cancer	1991	10.3101	9.1760	11.5454
High-middle SDI	Both	417	Liver cancer	1992	10.5827	9.4668	11.7831
High-middle SDI	Both	417	Liver cancer	1993	10.8218	9.8187	11.8641
High-middle SDI	Both	417	Liver cancer	1994	11.0261	10.1129	12.0468
High-middle SDI	Both	417	Liver cancer	1995	11.1123	10.2187	12.0588
High-middle SDI	Both	417	Liver cancer	1996	11.1130	10.1942	12.0688
High-middle SDI	Both	417	Liver cancer	1997	10.9788	10.1308	11.9284
High-middle SDI	Both	417	Liver cancer	1998	10.7838	9.9642	11.6789
High-middle SDI	Both	417	Liver cancer	1999	10.5063	9.6990	11.3317
High-middle SDI	Both	417	Liver cancer	2000	9.9219	9.1607	10.7556
High-middle SDI	Both	417	Liver cancer	2001	8.9191	8.2021	9.6757
High-middle SDI	Both	417	Liver cancer	2002	7.6832	7.1357	8.2640
High-middle SDI	Both	417	Liver cancer	2003	6.6369	6.2198	7.1079
High-middle SDI	Both	417	Liver cancer	2004	5.9136	5.5368	6.3104
High-middle SDI	Both	417	Liver cancer	2005	5.6194	5.2860	6.0023
High-middle SDI	Both	417	Liver cancer	2006	5.4754	5.1494	5.7875

High-middle SDI	Both	417	Liver cancer	2007	5.3944	5.0752	5.6840
High-middle SDI	Both	417	Liver cancer	2008	5.4413	5.1206	5.7515
High-middle SDI	Both	417	Liver cancer	2009	5.2992	4.9913	5.6247
High-middle SDI	Both	417	Liver cancer	2010	5.1468	4.8302	5.4647
High-middle SDI	Both	417	Liver cancer	2011	4.9557	4.6324	5.2911
High-middle SDI	Both	417	Liver cancer	2012	4.8348	4.5455	5.1456
High-middle SDI	Both	417	Liver cancer	2013	4.7794	4.4639	5.0784
High-middle SDI	Both	417	Liver cancer	2014	4.8074	4.4787	5.1383
High-middle SDI	Both	417	Liver cancer	2015	4.8367	4.4716	5.1990
High-middle SDI	Both	417	Liver cancer	2016	4.8390	4.4228	5.2686
High-middle SDI	Both	417	Liver cancer	2017	4.8242	4.3960	5.2610
High-middle SDI	Both	417	Liver cancer	2018	4.8137	4.3685	5.3128
High-middle SDI	Both	417	Liver cancer	2019	4.8334	4.3420	5.3770
Low SDI	Both	417	Liver cancer	1990	4.3669	3.8048	4.9740
Low SDI	Both	417	Liver cancer	1991	4.3931	3.8399	4.9677
Low SDI	Both	417	Liver cancer	1992	4.4258	3.8997	4.9548
Low SDI	Both	417	Liver cancer	1993	4.4556	3.9433	4.9861
Low SDI	Both	417	Liver cancer	1994	4.4783	3.9884	4.9634
Low SDI	Both	417	Liver cancer	1995	4.4980	4.0249	4.9995
Low SDI	Both	417	Liver cancer	1996	4.5084	4.0326	4.9868
Low SDI	Both	417	Liver cancer	1997	4.5134	4.0556	4.9701
Low SDI	Both	417	Liver cancer	1998	4.4910	4.0427	4.9432
Low SDI	Both	417	Liver cancer	1999	4.4538	4.0112	4.9004
Low SDI	Both	417	Liver cancer	2000	4.4304	3.9746	4.8679
Low SDI	Both	417	Liver cancer	2001	4.3950	3.9657	4.8317
Low SDI	Both	417	Liver cancer	2002	4.3701	3.9537	4.8030
Low SDI	Both	417	Liver cancer	2003	4.3638	3.9524	4.7745
Low SDI	Both	417	Liver cancer	2004	4.3381	3.9405	4.7396
Low SDI	Both	417	Liver cancer	2005	4.3158	3.9052	4.7361
Low SDI	Both	417	Liver cancer	2006	4.2692	3.8619	4.6839
Low SDI	Both	417	Liver cancer	2007	4.2413	3.8375	4.6398
Low SDI	Both	417	Liver cancer	2008	4.2163	3.8062	4.6211
Low SDI	Both	417	Liver cancer	2009	4.1911	3.7806	4.5936
Low SDI	Both	417	Liver cancer	2010	4.1749	3.7716	4.5681
Low SDI	Both	417	Liver cancer	2011	4.1406	3.7479	4.5590
Low SDI	Both	417	Liver cancer	2012	4.1037	3.6966	4.5166
Low SDI	Both	417	Liver cancer	2013	4.0995	3.6976	4.5163
Low SDI	Both	417	Liver cancer	2014	4.0494	3.6384	4.4629
Low SDI	Both	417	Liver cancer	2015	4.0343	3.6254	4.4601
Low SDI	Both	417	Liver cancer	2016	3.9965	3.5785	4.4414
Low SDI	Both	417	Liver cancer	2017	3.9714	3.5600	4.4250
Low SDI	Both	417	Liver cancer	2018	3.9592	3.5231	4.4228
Low SDI	Both	417	Liver cancer	2019	3.9337	3.4890	4.3769
Low-middle SDI	Both	417	Liver cancer	1990	5.5702	5.0507	6.1269
Low-middle SDI	Both	417	Liver cancer	1991	5.6643	5.1542	6.2452
Low-middle SDI	Both	417	Liver cancer	1992	5.7571	5.1988	6.3652
Low-middle SDI	Both	417	Liver cancer	1993	5.8585	5.2685	6.4558
Low-middle SDI	Both	417	Liver cancer	1994	5.9210	5.3353	6.5196
Low-middle SDI	Both	417	Liver cancer	1995	5.9251	5.3568	6.5337
Low-middle SDI	Both	417	Liver cancer	1996	5.9141	5.3485	6.4877
Low-middle SDI	Both	417	Liver cancer	1997	5.8873	5.3394	6.4159

Low-middle SDI	Both	417	Liver cancer	1998	5.7736	5.2264	6.2952
Low-middle SDI	Both	417	Liver cancer	1999	5.6240	5.0538	6.1539
Low-middle SDI	Both	417	Liver cancer	2000	5.4371	4.8871	5.9063
Low-middle SDI	Both	417	Liver cancer	2001	5.1843	4.6723	5.6386
Low-middle SDI	Both	417	Liver cancer	2002	4.8982	4.4362	5.3021
Low-middle SDI	Both	417	Liver cancer	2003	4.5817	4.1433	4.9596
Low-middle SDI	Both	417	Liver cancer	2004	4.3308	3.8802	4.6866
Low-middle SDI	Both	417	Liver cancer	2005	4.2526	3.8268	4.6193
Low-middle SDI	Both	417	Liver cancer	2006	4.2141	3.8118	4.5524
Low-middle SDI	Both	417	Liver cancer	2007	4.1658	3.7839	4.5051
Low-middle SDI	Both	417	Liver cancer	2008	4.1675	3.7883	4.4879
Low-middle SDI	Both	417	Liver cancer	2009	4.1065	3.7589	4.4143
Low-middle SDI	Both	417	Liver cancer	2010	4.0909	3.7295	4.3907
Low-middle SDI	Both	417	Liver cancer	2011	4.0755	3.7020	4.3776
Low-middle SDI	Both	417	Liver cancer	2012	4.0498	3.7232	4.3271
Low-middle SDI	Both	417	Liver cancer	2013	4.0842	3.7724	4.3607
Low-middle SDI	Both	417	Liver cancer	2014	4.1194	3.8217	4.3866
Low-middle SDI	Both	417	Liver cancer	2015	4.1927	3.8615	4.4893
Low-middle SDI	Both	417	Liver cancer	2016	4.2209	3.8784	4.5445
Low-middle SDI	Both	417	Liver cancer	2017	4.2412	3.8867	4.6064
Low-middle SDI	Both	417	Liver cancer	2018	4.2454	3.8550	4.6403
Low-middle SDI	Both	417	Liver cancer	2019	4.2327	3.8564	4.6820
Middle SDI	Both	417	Liver cancer	1990	14.9961	13.1460	17.2623
Middle SDI	Both	417	Liver cancer	1991	15.2473	13.5338	17.3237
Middle SDI	Both	417	Liver cancer	1992	15.4363	13.8212	17.3320
Middle SDI	Both	417	Liver cancer	1993	15.6740	14.0654	17.4112
Middle SDI	Both	417	Liver cancer	1994	15.8890	14.4715	17.5015
Middle SDI	Both	417	Liver cancer	1995	15.9560	14.6604	17.3612
Middle SDI	Both	417	Liver cancer	1996	15.9043	14.7025	17.3280
Middle SDI	Both	417	Liver cancer	1997	15.5618	14.4959	16.7678
Middle SDI	Both	417	Liver cancer	1998	15.2237	14.1111	16.4704
Middle SDI	Both	417	Liver cancer	1999	14.8128	13.7418	15.9689
Middle SDI	Both	417	Liver cancer	2000	13.9056	12.8210	15.0133
Middle SDI	Both	417	Liver cancer	2001	12.5258	11.4966	13.5717
Middle SDI	Both	417	Liver cancer	2002	10.9030	10.1074	11.7459
Middle SDI	Both	417	Liver cancer	2003	9.5861	8.9598	10.3026
Middle SDI	Both	417	Liver cancer	2004	8.6575	8.1532	9.3067
Middle SDI	Both	417	Liver cancer	2005	8.2161	7.7087	8.7691
Middle SDI	Both	417	Liver cancer	2006	8.0128	7.5328	8.4920
Middle SDI	Both	417	Liver cancer	2007	7.8985	7.4420	8.3395
Middle SDI	Both	417	Liver cancer	2008	7.9314	7.4812	8.4145
Middle SDI	Both	417	Liver cancer	2009	7.8925	7.4432	8.4423
Middle SDI	Both	417	Liver cancer	2010	7.8303	7.3175	8.4098
Middle SDI	Both	417	Liver cancer	2011	7.7623	7.2365	8.3792
Middle SDI	Both	417	Liver cancer	2012	7.7422	7.2038	8.3250
Middle SDI	Both	417	Liver cancer	2013	7.8085	7.2588	8.4042
Middle SDI	Both	417	Liver cancer	2014	7.9251	7.3114	8.5873
Middle SDI	Both	417	Liver cancer	2015	8.0142	7.4030	8.6796
Middle SDI	Both	417	Liver cancer	2016	8.0503	7.3676	8.8368
Middle SDI	Both	417	Liver cancer	2017	8.0210	7.2260	8.8671
Middle SDI	Both	417	Liver cancer	2018	7.9460	7.0302	8.8975

Middle SDI	Both	417	Liver cancer	2019	7.9170	6.9695	8.9296
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location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer	2019	10.2651	7.9824	12.9252
Albania	Both	Liver cancer	2019	6.8373	5.0366	9.0896
Algeria	Both	Liver cancer	2019	2.1970	1.7245	2.7762
American Samoa	Both	Liver cancer	2019	7.0170	5.8504	8.4507
Andorra	Both	Liver cancer	2019	9.4444	7.1355	12.2352
Angola	Both	Liver cancer	2019	2.5867	2.0910	3.2331
Antigua and Barbuda	Both	Liver cancer	2019	2.8505	2.4352	3.3121
Argentina	Both	Liver cancer	2019	2.1511	1.9981	2.3306
Armenia	Both	Liver cancer	2019	7.0675	5.8776	8.3817
Australia	Both	Liver cancer	2019	4.1977	3.8290	4.5899
Austria	Both	Liver cancer	2019	4.5027	4.0423	4.9904
Azerbaijan	Both	Liver cancer	2019	4.3742	3.3109	5.9364
Bahamas	Both	Liver cancer	2019	3.2098	2.6609	3.9593
Bahrain	Both	Liver cancer	2019	5.2250	4.1241	6.5302
Bangladesh	Both	Liver cancer	2019	2.7481	2.1688	3.4200
Barbados	Both	Liver cancer	2019	2.7395	2.2863	3.2673
Belarus	Both	Liver cancer	2019	2.4080	1.7629	3.2401
Belgium	Both	Liver cancer	2019	3.7815	3.4458	4.1187
Belize	Both	Liver cancer	2019	3.2139	2.7541	3.7038
Benin	Both	Liver cancer	2019	5.1213	3.8925	6.7882
Bermuda	Both	Liver cancer	2019	2.0515	1.6990	2.5123
Bhutan	Both	Liver cancer	2019	3.2743	2.2937	4.6118
Bolivia (Plurinational State of)	Both	Liver cancer	2019	5.0301	3.7735	6.4286
Bosnia and Herzegovina	Both	Liver cancer	2019	8.0085	6.4028	9.9975
Botswana	Both	Liver cancer	2019	1.5276	1.1321	2.0215
Brazil	Both	Liver cancer	2019	2.5027	2.3294	2.6355
Brunei Darussalam	Both	Liver cancer	2019	11.5293	9.8199	13.3781
Bulgaria	Both	Liver cancer	2019	4.6219	3.6783	5.7147
Burkina Faso	Both	Liver cancer	2019	2.3741	1.8023	2.9647
Burundi	Both	Liver cancer	2019	3.1065	2.1653	4.8030
Cabo Verde	Both	Liver cancer	2019	12.3361	10.1960	14.8735
Cambodia	Both	Liver cancer	2019	9.8605	7.8516	12.0333
Cameroon	Both	Liver cancer	2019	0.6874	0.5061	0.9158
Canada	Both	Liver cancer	2019	3.9079	3.4844	4.3172
Central African Republic	Both	Liver cancer	2019	3.4250	2.2735	5.0071
Chad	Both	Liver cancer	2019	5.6813	4.3749	7.2948
Chile	Both	Liver cancer	2019	3.0213	2.7597	3.2894
China	Both	Liver cancer	2019	9.4130	7.9539	11.1266
Colombia	Both	Liver cancer	2019	2.6502	2.0298	3.3980
Comoros	Both	Liver cancer	2019	3.0139	2.1200	4.6521
Congo	Both	Liver cancer	2019	3.1385	2.3264	4.2366
Cook Islands	Both	Liver cancer	2019	11.1254	9.0347	13.5062
Costa Rica	Both	Liver cancer	2019	5.3023	4.1123	6.7408
Côte d'Ivoire	Both	Liver cancer	2019	5.0618	3.7658	6.8347
Croatia	Both	Liver cancer	2019	3.5323	2.7704	4.4768
Cuba	Both	Liver cancer	2019	2.4254	1.9523	2.9969
Cyprus	Both	Liver cancer	2019	3.4217	2.9450	3.9408
Czechia	Both	Liver cancer	2019	2.9894	2.4522	3.6771
Democratic People's Republic of Korea	Both	Liver cancer	2019	10.1982	7.7455	13.3027
Democratic Republic of the Congo	Both	Liver cancer	2019	2.2839	1.7711	2.9407
Denmark	Both	Liver cancer	2019	3.2512	2.9276	3.5724
Djibouti	Both	Liver cancer	2019	3.4924	2.2918	5.5898
Dominica	Both	Liver cancer	2019	3.3896	2.7575	4.1639
Dominican Republic	Both	Liver cancer	2019	4.9223	3.3991	7.2257
Ecuador	Both	Liver cancer	2019	3.7079	2.9691	4.7281
Egypt	Both	Liver cancer	2019	21.2493	15.4389	28.9240
El Salvador	Both	Liver cancer	2019	2.1223	1.6099	2.7562
Equatorial Guinea	Both	Liver cancer	2019	3.4804	2.0437	5.0441
Eritrea	Both	Liver cancer	2019	3.3221	2.3561	4.7303
Estonia	Both	Liver cancer	2019	3.6072	2.7601	4.5434
Eswatini	Both	Liver cancer	2019	19.0878	5.9814	33.8779
Ethiopia	Both	Liver cancer	2019	3.0156	2.4019	3.8397
Fiji	Both	Liver cancer	2019	6.2327	4.8648	7.8308
Finland	Both	Liver cancer	2019	4.0348	3.6761	4.4193
France	Both	Liver cancer	2019	5.8026	5.1041	6.5607
Gabon	Both	Liver cancer	2019	3.5352	2.3268	5.0099
Gambia	Both	Liver cancer	2019	39.5143	29.0147	50.9871
Georgia	Both	Liver cancer	2019	3.6273	2.9680	4.4201
Germany	Both	Liver cancer	2019	4.0190	3.6984	4.3298
Ghana	Both	Liver cancer	2019	6.0027	4.5933	7.5893

Greece	Both	Liver cancer	2019	3.2087	2.9455	3.4663
Greenland	Both	Liver cancer	2019	6.3492	5.0252	7.9572
Grenada	Both	Liver cancer	2019	3.1320	2.7641	3.5416
Guam	Both	Liver cancer	2019	5.7914	4.7104	7.0522
Guatemala	Both	Liver cancer	2019	4.8088	3.8434	6.0086
Guinea	Both	Liver cancer	2019	34.0500	23.9825	44.0128
Guinea-Bissau	Both	Liver cancer	2019	6.3621	4.6735	8.5091
Guyana	Both	Liver cancer	2019	3.2047	2.5256	4.0281
Haiti	Both	Liver cancer	2019	4.4194	2.6688	6.6630
Honduras	Both	Liver cancer	2019	16.1391	7.4073	23.5030
Hungary	Both	Liver cancer	2019	2.6483	2.1778	3.2293
Iceland	Both	Liver cancer	2019	2.8395	2.5136	3.1965
India	Both	Liver cancer	2019	2.7539	2.3191	3.2660
Indonesia	Both	Liver cancer	2019	2.4474	2.0805	2.7570
Iran (Islamic Republic of)	Both	Liver cancer	2019	3.6371	3.2901	4.0159
Iraq	Both	Liver cancer	2019	6.0694	4.7184	7.4742
Ireland	Both	Liver cancer	2019	3.4018	3.0430	3.7453
Israel	Both	Liver cancer	2019	2.7929	2.5459	3.0426
Italy	Both	Liver cancer	2019	4.7993	4.3574	5.1729
Jamaica	Both	Liver cancer	2019	2.7451	2.1895	3.4085
Japan	Both	Liver cancer	2019	8.7758	7.8047	9.4184
Jordan	Both	Liver cancer	2019	2.3783	1.9069	2.9723
Kazakhstan	Both	Liver cancer	2019	6.5365	5.6274	7.4988
Kenya	Both	Liver cancer	2019	3.3371	2.2764	4.8122
Kiribati	Both	Liver cancer	2019	11.9462	9.2943	15.0813
Kuwait	Both	Liver cancer	2019	2.3594	1.8522	2.9598
Kyrgyzstan	Both	Liver cancer	2019	2.7041	2.3072	3.0947
Lao People's Democratic Republic	Both	Liver cancer	2019	7.1071	5.4037	9.0068
Latvia	Both	Liver cancer	2019	2.7032	2.2475	3.2876
Lebanon	Both	Liver cancer	2019	2.9674	2.1943	4.1398
Lesotho	Both	Liver cancer	2019	15.1725	6.4497	23.7115
Liberia	Both	Liver cancer	2019	5.2905	3.8866	7.7821
Libya	Both	Liver cancer	2019	5.0536	3.7947	6.8635
Lithuania	Both	Liver cancer	2019	3.0312	2.3785	3.7040
Luxembourg	Both	Liver cancer	2019	3.6155	2.9416	4.4955
Madagascar	Both	Liver cancer	2019	2.6250	1.7988	4.0199
Malawi	Both	Liver cancer	2019	3.0352	2.4300	3.7366
Malaysia	Both	Liver cancer	2019	6.2153	4.7798	7.9433
Maldives	Both	Liver cancer	2019	5.6286	4.4624	6.8851
Mali	Both	Liver cancer	2019	15.0348	11.2535	19.5225
Malta	Both	Liver cancer	2019	2.2012	1.9252	2.4857
Marshall Islands	Both	Liver cancer	2019	10.5666	7.6399	14.3114
Mauritania	Both	Liver cancer	2019	4.4281	3.2980	5.6796
Mauritius	Both	Liver cancer	2019	2.0027	1.5502	2.5707
Mexico	Both	Liver cancer	2019	3.6887	3.1819	4.2240
Micronesia (Federated States of)	Both	Liver cancer	2019	10.7017	7.2442	14.7446
Monaco	Both	Liver cancer	2019	7.6259	6.0502	9.3898
Mongolia	Both	Liver cancer	2019	115.2277	91.4759	142.4819
Montenegro	Both	Liver cancer	2019	6.0933	4.9332	7.4840
Morocco	Both	Liver cancer	2019	2.3067	1.7692	2.7937
Mozambique	Both	Liver cancer	2019	3.9882	2.7901	5.2387
Myanmar	Both	Liver cancer	2019	4.4355	3.7623	5.2626
Namibia	Both	Liver cancer	2019	3.4638	2.6638	4.3921
Nauru	Both	Liver cancer	2019	9.3933	6.7004	12.7341
Nepal	Both	Liver cancer	2019	2.3630	1.7110	3.3864
Netherlands	Both	Liver cancer	2019	2.7530	2.5286	2.9733
New Zealand	Both	Liver cancer	2019	3.7206	3.4441	3.9956
Nicaragua	Both	Liver cancer	2019	4.1034	3.3720	4.9567
Niger	Both	Liver cancer	2019	0.6455	0.4873	0.8445
Nigeria	Both	Liver cancer	2019	3.5652	2.8650	4.4419
Niue	Both	Liver cancer	2019	7.3373	5.6736	9.3564
North Macedonia	Both	Liver cancer	2019	8.8247	7.0080	11.0982
Northern Mariana Islands	Both	Liver cancer	2019	7.8381	6.4978	9.4549
Norway	Both	Liver cancer	2019	2.4463	2.1974	2.7567
Oman	Both	Liver cancer	2019	4.7537	3.9796	5.6912
Pakistan	Both	Liver cancer	2019	3.4613	2.7532	4.2960
Palau	Both	Liver cancer	2019	9.7887	7.5854	12.5257
Palestine	Both	Liver cancer	2019	6.6144	5.5593	7.8841
Panama	Both	Liver cancer	2019	3.0562	2.3161	3.9266
Papua New Guinea	Both	Liver cancer	2019	1.6714	1.3067	2.1225
Paraguay	Both	Liver cancer	2019	2.1865	1.6383	2.8249
Peru	Both	Liver cancer	2019	2.7387	2.0434	3.6079
Philippines	Both	Liver cancer	2019	6.5752	5.3457	7.9798



Poland	Both	Liver cancer	2019	2.0587	1.7302	2.4375
Portugal	Both	Liver cancer	2019	4.5854	4.1914	4.9748
Puerto Rico	Both	Liver cancer	2019	2.7447	2.0426	3.5491
Qatar	Both	Liver cancer	2019	15.8845	11.7584	20.7949
Republic of Korea	Both	Liver cancer	2019	16.1953	14.4652	17.9445
Republic of Moldova	Both	Liver cancer	2019	2.3984	2.0285	2.8089
Romania	Both	Liver cancer	2019	3.0798	2.4983	3.7473
Russian Federation	Both	Liver cancer	2019	2.9702	2.5304	3.5483
Rwanda	Both	Liver cancer	2019	4.7206	3.7776	5.9817
Saint Kitts and Nevis	Both	Liver cancer	2019	3.8776	3.2777	4.5733
Saint Lucia	Both	Liver cancer	2019	2.2926	1.9116	2.7324
Saint Vincent and the Grenadines	Both	Liver cancer	2019	3.1320	2.7165	3.6130
Samoa	Both	Liver cancer	2019	5.0627	3.9117	6.3290
San Marino	Both	Liver cancer	2019	2.7514	1.8020	3.9790
Sao Tome and Principe	Both	Liver cancer	2019	2.8007	1.8882	3.6887
Saudi Arabia	Both	Liver cancer	2019	4.9043	3.8632	6.2518
Senegal	Both	Liver cancer	2019	2.2053	1.6524	2.7761
Serbia	Both	Liver cancer	2019	5.4879	4.3648	6.8673
Seychelles	Both	Liver cancer	2019	5.6997	4.8142	6.7191
Sierra Leone	Both	Liver cancer	2019	4.9404	3.7911	6.3908
Singapore	Both	Liver cancer	2019	8.6788	7.6727	9.6566
Slovakia	Both	Liver cancer	2019	3.3898	2.6421	4.2788
Slovenia	Both	Liver cancer	2019	5.1381	3.9258	6.6052
Solomon Islands	Both	Liver cancer	2019	5.5240	4.4620	6.6849
Somalia	Both	Liver cancer	2019	3.6100	2.3523	6.3984
South Africa	Both	Liver cancer	2019	5.8700	5.1776	6.6763
South Sudan	Both	Liver cancer	2019	2.9739	1.7877	5.1430
Spain	Both	Liver cancer	2019	5.1798	4.6706	5.6674
Sri Lanka	Both	Liver cancer	2019	2.8361	2.1051	3.7669
Sudan	Both	Liver cancer	2019	3.9248	2.4098	6.0414
Suriname	Both	Liver cancer	2019	2.7391	2.2110	3.3755
Sweden	Both	Liver cancer	2019	3.0242	2.7985	3.2448
Switzerland	Both	Liver cancer	2019	4.4288	3.9744	4.9135
Syrian Arab Republic	Both	Liver cancer	2019	4.4062	3.3524	5.7666
Taiwan (Province of China)	Both	Liver cancer	2019	7.2669	5.6884	9.3187
Tajikistan	Both	Liver cancer	2019	4.0170	3.2329	5.0604
Thailand	Both	Liver cancer	2019	24.0105	17.8815	31.6527
Timor-Leste	Both	Liver cancer	2019	6.5996	4.5341	9.0866
Togo	Both	Liver cancer	2019	5.2447	4.0910	6.7398
Tokelau	Both	Liver cancer	2019	7.4793	5.4615	10.0626
Tonga	Both	Liver cancer	2019	24.7380	18.0934	32.0427
Trinidad and Tobago	Both	Liver cancer	2019	2.6601	2.0250	3.4582
Tunisia	Both	Liver cancer	2019	1.8018	1.2744	2.5257
Turkey	Both	Liver cancer	2019	2.9617	2.3577	3.6301
Turkmenistan	Both	Liver cancer	2019	5.5940	4.4065	7.0652
Tuvalu	Both	Liver cancer	2019	8.7153	6.5065	11.5161
Uganda	Both	Liver cancer	2019	6.3929	5.1176	7.8790
Ukraine	Both	Liver cancer	2019	2.6553	2.2413	3.1089
United Arab Emirates	Both	Liver cancer	2019	4.8970	2.0622	11.2956
United Kingdom	Both	Liver cancer	2019	4.0334	3.7502	4.2616
United Republic of Tanzania	Both	Liver cancer	2019	2.4581	1.9815	3.0245
United States of America	Both	Liver cancer	2019	4.3297	3.8559	4.7456
United States Virgin Islands	Both	Liver cancer	2019	2.6028	2.1691	3.0708
Uruguay	Both	Liver cancer	2019	2.3589	2.1239	2.6060
Uzbekistan	Both	Liver cancer	2019	6.6826	5.5842	7.8304
Vanuatu	Both	Liver cancer	2019	9.3604	6.4068	13.1984
Venezuela (Bolivarian Republic of)	Both	Liver cancer	2019	2.4372	1.8843	3.1496
Viet Nam	Both	Liver cancer	2019	2.7479	2.1503	3.3991
Yemen	Both	Liver cancer	2019	3.4161	2.4897	4.5716
Zambia	Both	Liver cancer	2019	2.9939	2.3702	3.6699
Zimbabwe	Both	Liver cancer	2019	14.0304	10.5837	18.6679

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to hepatitis B	1990	7.6917	6.3393	9.1284
Global	Female	Liver cancer due to hepatitis B	1990	1.6954	1.3712	2.0872
Global	Both	Liver cancer due to hepatitis B	1990	4.5993	3.8607	5.3858
Global	Male	Liver cancer due to hepatitis B	1991	8.0361	6.9559	9.1461
Global	Female	Liver cancer due to hepatitis B	1991	1.7256	1.4345	2.0768
Global	Both	Liver cancer due to hepatitis B	1991	4.7827	4.1630	5.4301
Global	Male	Liver cancer due to hepatitis B	1992	8.3166	7.3801	9.2899
Global	Female	Liver cancer due to hepatitis B	1992	1.7462	1.4829	2.0677
Global	Both	Liver cancer due to hepatitis B	1992	4.9300	4.3916	5.4721
Global	Male	Liver cancer due to hepatitis B	1993	8.5320	7.6762	9.4023
Global	Female	Liver cancer due to hepatitis B	1993	1.7594	1.4990	2.0653
Global	Both	Liver cancer due to hepatitis B	1993	5.0416	4.5659	5.5297
Global	Male	Liver cancer due to hepatitis B	1994	8.6896	7.8302	9.6577
Global	Female	Liver cancer due to hepatitis B	1994	1.7661	1.5062	2.0816
Global	Both	Liver cancer due to hepatitis B	1994	5.1221	4.6262	5.6480
Global	Male	Liver cancer due to hepatitis B	1995	8.7674	7.8164	9.9224
Global	Female	Liver cancer due to hepatitis B	1995	1.7647	1.5046	2.0723
Global	Both	Liver cancer due to hepatitis B	1995	5.1592	4.6413	5.7781
Global	Male	Liver cancer due to hepatitis B	1996	8.7749	7.9344	9.7727
Global	Female	Liver cancer due to hepatitis B	1996	1.7508	1.5089	2.0365
Global	Both	Liver cancer due to hepatitis B	1996	5.1555	4.6819	5.6906
Global	Male	Liver cancer due to hepatitis B	1997	8.7040	7.8938	9.5334
Global	Female	Liver cancer due to hepatitis B	1997	1.7203	1.4880	1.9876
Global	Both	Liver cancer due to hepatitis B	1997	5.1043	4.6481	5.5662
Global	Male	Liver cancer due to hepatitis B	1998	8.5652	7.8101	9.3770
Global	Female	Liver cancer due to hepatitis B	1998	1.6779	1.4543	1.9269
Global	Both	Liver cancer due to hepatitis B	1998	5.0134	4.5719	5.4634
Global	Male	Liver cancer due to hepatitis B	1999	8.3784	7.5545	9.2318
Global	Female	Liver cancer due to hepatitis B	1999	1.6271	1.4006	1.8627
Global	Both	Liver cancer due to hepatitis B	1999	4.8951	4.4242	5.3884
Global	Male	Liver cancer due to hepatitis B	2000	8.1368	7.2305	9.1124
Global	Female	Liver cancer due to hepatitis B	2000	1.5695	1.3453	1.7979
Global	Both	Liver cancer due to hepatitis B	2000	4.7463	4.2437	5.2800
Global	Male	Liver cancer due to hepatitis B	2001	7.6321	6.8841	8.4126
Global	Female	Liver cancer due to hepatitis B	2001	1.4776	1.2755	1.6834
Global	Both	Liver cancer due to hepatitis B	2001	4.4527	4.0111	4.8938
Global	Male	Liver cancer due to hepatitis B	2002	6.7819	6.1655	7.3915
Global	Female	Liver cancer due to hepatitis B	2002	1.3416	1.1629	1.5275
Global	Both	Liver cancer due to hepatitis B	2002	3.9693	3.5955	4.3169
Global	Male	Liver cancer due to hepatitis B	2003	5.8310	5.2874	6.3602
Global	Female	Liver cancer due to hepatitis B	2003	1.1951	1.0302	1.3664
Global	Both	Liver cancer due to hepatitis B	2003	3.4318	3.1136	3.7587
Global	Male	Liver cancer due to hepatitis B	2004	5.0315	4.5526	5.5358
Global	Female	Liver cancer due to hepatitis B	2004	1.0717	0.9173	1.2402
Global	Both	Liver cancer due to hepatitis B	2004	2.9802	2.6821	3.2847
Global	Male	Liver cancer due to hepatitis B	2005	4.6274	4.1663	5.1326
Global	Female	Liver cancer due to hepatitis B	2005	1.0040	0.8593	1.1689
Global	Both	Liver cancer due to hepatitis B	2005	2.7492	2.4662	3.0570
Global	Male	Liver cancer due to hepatitis B	2006	4.5256	4.1027	4.9874
Global	Female	Liver cancer due to hepatitis B	2006	0.9791	0.8415	1.1377
Global	Both	Liver cancer due to hepatitis B	2006	2.6868	2.4247	2.9785

Global	Male	Liver cancer due to hepatitis B	2007	4.4528	4.0502	4.8822
Global	Female	Liver cancer due to hepatitis B	2007	0.9601	0.8194	1.1131
Global	Both	Liver cancer due to hepatitis B	2007	2.6415	2.3965	2.9172
Global	Male	Liver cancer due to hepatitis B	2008	4.4029	4.0048	4.8353
Global	Female	Liver cancer due to hepatitis B	2008	0.9455	0.8065	1.0999
Global	Both	Liver cancer due to hepatitis B	2008	2.6094	2.3612	2.8795
Global	Male	Liver cancer due to hepatitis B	2009	4.3727	3.9451	4.8251
Global	Female	Liver cancer due to hepatitis B	2009	0.9340	0.7931	1.0859
Global	Both	Liver cancer due to hepatitis B	2009	2.5885	2.3317	2.8623
Global	Male	Liver cancer due to hepatitis B	2010	4.3545	3.8932	4.8449
Global	Female	Liver cancer due to hepatitis B	2010	0.9240	0.7832	1.0785
Global	Both	Liver cancer due to hepatitis B	2010	2.5743	2.3014	2.8624
Global	Male	Liver cancer due to hepatitis B	2011	4.3496	3.9360	4.8075
Global	Female	Liver cancer due to hepatitis B	2011	0.9132	0.7718	1.0651
Global	Both	Liver cancer due to hepatitis B	2011	2.5664	2.3184	2.8434
Global	Male	Liver cancer due to hepatitis B	2012	4.3567	3.9596	4.8150
Global	Female	Liver cancer due to hepatitis B	2012	0.9011	0.7631	1.0503
Global	Both	Liver cancer due to hepatitis B	2012	2.5639	2.3222	2.8418
Global	Male	Liver cancer due to hepatitis B	2013	4.3719	3.9313	4.8531
Global	Female	Liver cancer due to hepatitis B	2013	0.8897	0.7482	1.0403
Global	Both	Liver cancer due to hepatitis B	2013	2.5657	2.3078	2.8545
Global	Male	Liver cancer due to hepatitis B	2014	4.3925	3.9089	4.9233
Global	Female	Liver cancer due to hepatitis B	2014	0.8809	0.7403	1.0356
Global	Both	Liver cancer due to hepatitis B	2014	2.5713	2.2864	2.8715
Global	Male	Liver cancer due to hepatitis B	2015	4.4121	3.8647	5.0227
Global	Female	Liver cancer due to hepatitis B	2015	0.8761	0.7281	1.0376
Global	Both	Liver cancer due to hepatitis B	2015	2.5784	2.2556	2.9123
Global	Male	Liver cancer due to hepatitis B	2016	4.4430	3.9311	4.9809
Global	Female	Liver cancer due to hepatitis B	2016	0.8754	0.7406	1.0358
Global	Both	Liver cancer due to hepatitis B	2016	2.5935	2.3014	2.9189
Global	Male	Liver cancer due to hepatitis B	2017	4.4741	3.8172	5.1571
Global	Female	Liver cancer due to hepatitis B	2017	0.8760	0.7269	1.0527
Global	Both	Liver cancer due to hepatitis B	2017	2.6092	2.2539	2.9968
Global	Male	Liver cancer due to hepatitis B	2018	4.4924	3.9323	5.0983
Global	Female	Liver cancer due to hepatitis B	2018	0.8755	0.7268	1.0534
Global	Both	Liver cancer due to hepatitis B	2018	2.6179	2.3000	2.9778
Global	Male	Liver cancer due to hepatitis B	2019	4.5064	3.7805	5.3086
Global	Female	Liver cancer due to hepatitis B	2019	0.8739	0.7101	1.0668
Global	Both	Liver cancer due to hepatitis B	2019	2.6238	2.2371	3.0522

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Male	Liver cancer due to hepatitis B	1990	2.1330	1.8743	2.4292
High SDI	Female	Liver cancer due to hepatitis B	1990	0.4215	0.3508	0.5072
High SDI	Both	Liver cancer due to hepatitis B	1990	1.2270	1.0769	1.3986
High SDI	Male	Liver cancer due to hepatitis B	1991	2.1725	1.9177	2.4527
High SDI	Female	Liver cancer due to hepatitis B	1991	0.4365	0.3648	0.5197
High SDI	Both	Liver cancer due to hepatitis B	1991	1.2538	1.1025	1.4242
High SDI	Male	Liver cancer due to hepatitis B	1992	2.2238	1.9690	2.5049
High SDI	Female	Liver cancer due to hepatitis B	1992	0.4534	0.3797	0.5369
High SDI	Both	Liver cancer due to hepatitis B	1992	1.2872	1.1325	1.4577
High SDI	Male	Liver cancer due to hepatitis B	1993	2.2790	2.0245	2.5576
High SDI	Female	Liver cancer due to hepatitis B	1993	0.4709	0.3951	0.5553
High SDI	Both	Liver cancer due to hepatitis B	1993	1.3228	1.1672	1.4932
High SDI	Male	Liver cancer due to hepatitis B	1994	2.3344	2.0677	2.6128
High SDI	Female	Liver cancer due to hepatitis B	1994	0.4880	0.4113	0.5753
High SDI	Both	Liver cancer due to hepatitis B	1994	1.3585	1.1948	1.5336
High SDI	Male	Liver cancer due to hepatitis B	1995	2.3808	2.1055	2.6616
High SDI	Female	Liver cancer due to hepatitis B	1995	0.5033	0.4242	0.5951
High SDI	Both	Liver cancer due to hepatitis B	1995	1.3892	1.2205	1.5681
High SDI	Male	Liver cancer due to hepatitis B	1996	2.4952	2.2086	2.7857
High SDI	Female	Liver cancer due to hepatitis B	1996	0.5284	0.4439	0.6235
High SDI	Both	Liver cancer due to hepatitis B	1996	1.4578	1.2814	1.6467
High SDI	Male	Liver cancer due to hepatitis B	1997	2.7171	2.4154	3.0270
High SDI	Female	Liver cancer due to hepatitis B	1997	0.5688	0.4761	0.6697
High SDI	Both	Liver cancer due to hepatitis B	1997	1.5863	1.3994	1.7872
High SDI	Male	Liver cancer due to hepatitis B	1998	2.9753	2.6475	3.3048
High SDI	Female	Liver cancer due to hepatitis B	1998	0.6137	0.5130	0.7206
High SDI	Both	Liver cancer due to hepatitis B	1998	1.7347	1.5339	1.9500
High SDI	Male	Liver cancer due to hepatitis B	1999	3.2032	2.8562	3.5585
High SDI	Female	Liver cancer due to hepatitis B	1999	0.6518	0.5447	0.7648
High SDI	Both	Liver cancer due to hepatitis B	1999	1.8653	1.6460	2.0921
High SDI	Male	Liver cancer due to hepatitis B	2000	3.3266	2.9559	3.7025
High SDI	Female	Liver cancer due to hepatitis B	2000	0.6720	0.5607	0.7922
High SDI	Both	Liver cancer due to hepatitis B	2000	1.9365	1.7079	2.1715
High SDI	Male	Liver cancer due to hepatitis B	2001	3.3583	2.9801	3.7330
High SDI	Female	Liver cancer due to hepatitis B	2001	0.6752	0.5624	0.7971
High SDI	Both	Liver cancer due to hepatitis B	2001	1.9545	1.7215	2.1945
High SDI	Male	Liver cancer due to hepatitis B	2002	3.3694	2.9914	3.7421
High SDI	Female	Liver cancer due to hepatitis B	2002	0.6723	0.5582	0.7995
High SDI	Both	Liver cancer due to hepatitis B	2002	1.9595	1.7223	2.2021
High SDI	Male	Liver cancer due to hepatitis B	2003	3.3647	2.9878	3.7478
High SDI	Female	Liver cancer due to hepatitis B	2003	0.6655	0.5517	0.7907
High SDI	Both	Liver cancer due to hepatitis B	2003	1.9548	1.7155	2.1973
High SDI	Male	Liver cancer due to hepatitis B	2004	3.3571	2.9703	3.7575
High SDI	Female	Liver cancer due to hepatitis B	2004	0.6585	0.5441	0.7856
High SDI	Both	Liver cancer due to hepatitis B	2004	1.9488	1.7092	2.1977
High SDI	Male	Liver cancer due to hepatitis B	2005	3.3549	2.9665	3.7703
High SDI	Female	Liver cancer due to hepatitis B	2005	0.6547	0.5405	0.7842
High SDI	Both	Liver cancer due to hepatitis B	2005	1.9471	1.7080	2.2045
High SDI	Male	Liver cancer due to hepatitis B	2006	3.3336	2.9503	3.7339
High SDI	Female	Liver cancer due to hepatitis B	2006	0.6530	0.5379	0.7799
High SDI	Both	Liver cancer due to hepatitis B	2006	1.9368	1.6988	2.1894
High SDI	Male	Liver cancer due to hepatitis B	2007	3.2766	2.9044	3.6715
High SDI	Female	Liver cancer due to hepatitis B	2007	0.6506	0.5356	0.7781
High SDI	Both	Liver cancer due to hepatitis B	2007	1.9087	1.6761	2.1610
High SDI	Male	Liver cancer due to hepatitis B	2008	3.2016	2.8382	3.5910
High SDI	Female	Liver cancer due to hepatitis B	2008	0.6473	0.5326	0.7749
High SDI	Both	Liver cancer due to hepatitis B	2008	1.8712	1.6436	2.1200
High SDI	Male	Liver cancer due to hepatitis B	2009	3.1280	2.7653	3.5293
High SDI	Female	Liver cancer due to hepatitis B	2009	0.6434	0.5295	0.7703
High SDI	Both	Liver cancer due to hepatitis B	2009	1.8340	1.5998	2.0795
High SDI	Male	Liver cancer due to hepatitis B	2010	3.0738	2.7066	3.4769
High SDI	Female	Liver cancer due to hepatitis B	2010	0.6390	0.5245	0.7698
High SDI	Both	Liver cancer due to hepatitis B	2010	1.8060	1.5723	2.0525
High SDI	Male	Liver cancer due to hepatitis B	2011	3.0276	2.6706	3.4243

High SDI	Female	Liver cancer due to hepatitis B	2011	0.6318	0.5186	0.7634
High SDI	Both	Liver cancer due to hepatitis B	2011	1.7805	1.5503	2.0212
High SDI	Male	Liver cancer due to hepatitis B	2012	2.9716	2.6162	3.3610
High SDI	Female	Liver cancer due to hepatitis B	2012	0.6216	0.5087	0.7516
High SDI	Both	Liver cancer due to hepatitis B	2012	1.7486	1.5251	1.9825
High SDI	Male	Liver cancer due to hepatitis B	2013	2.9150	2.5645	3.2925
High SDI	Female	Liver cancer due to hepatitis B	2013	0.6100	0.4990	0.7376
High SDI	Both	Liver cancer due to hepatitis B	2013	1.7160	1.4949	1.9455
High SDI	Male	Liver cancer due to hepatitis B	2014	2.8688	2.5177	3.2534
High SDI	Female	Liver cancer due to hepatitis B	2014	0.6001	0.4899	0.7249
High SDI	Both	Liver cancer due to hepatitis B	2014	1.6893	1.4679	1.9293
High SDI	Male	Liver cancer due to hepatitis B	2015	2.8431	2.4837	3.2394
High SDI	Female	Liver cancer due to hepatitis B	2015	0.5944	0.4835	0.7210
High SDI	Both	Liver cancer due to hepatitis B	2015	1.6750	1.4492	1.9210
High SDI	Male	Liver cancer due to hepatitis B	2016	2.8332	2.4703	3.2429
High SDI	Female	Liver cancer due to hepatitis B	2016	0.5902	0.4821	0.7178
High SDI	Both	Liver cancer due to hepatitis B	2016	1.6696	1.4476	1.9256
High SDI	Male	Liver cancer due to hepatitis B	2017	2.8359	2.4599	3.3010
High SDI	Female	Liver cancer due to hepatitis B	2017	0.5882	0.4757	0.7223
High SDI	Both	Liver cancer due to hepatitis B	2017	1.6714	1.4336	1.9494
High SDI	Male	Liver cancer due to hepatitis B	2018	2.8595	2.4579	3.3276
High SDI	Female	Liver cancer due to hepatitis B	2018	0.5904	0.4780	0.7292
High SDI	Both	Liver cancer due to hepatitis B	2018	1.6856	1.4354	1.9685
High SDI	Male	Liver cancer due to hepatitis B	2019	2.9001	2.4375	3.4135
High SDI	Female	Liver cancer due to hepatitis B	2019	0.5956	0.4712	0.7503
High SDI	Both	Liver cancer due to hepatitis B	2019	1.7094	1.4307	2.0197
High-middle SDI	Male	Liver cancer due to hepatitis B	1990	9.8791	7.9730	11.9096
High-middle SDI	Female	Liver cancer due to hepatitis B	1990	1.6766	1.3434	2.0652
High-middle SDI	Both	Liver cancer due to hepatitis B	1990	5.4886	4.5501	6.5350
High-middle SDI	Male	Liver cancer due to hepatitis B	1991	10.3808	8.8006	12.0215
High-middle SDI	Female	Liver cancer due to hepatitis B	1991	1.7226	1.4198	2.0842
High-middle SDI	Both	Liver cancer due to hepatitis B	1991	5.7518	4.9664	6.6249
High-middle SDI	Male	Liver cancer due to hepatitis B	1992	10.7891	9.4734	12.1324
High-middle SDI	Female	Liver cancer due to hepatitis B	1992	1.7570	1.4780	2.0971
High-middle SDI	Both	Liver cancer due to hepatitis B	1992	5.9647	5.2970	6.6708
High-middle SDI	Male	Liver cancer due to hepatitis B	1993	11.1080	9.8289	12.4131
High-middle SDI	Female	Liver cancer due to hepatitis B	1993	1.7820	1.5116	2.1076
High-middle SDI	Both	Liver cancer due to hepatitis B	1993	6.1290	5.4862	6.7914
High-middle SDI	Male	Liver cancer due to hepatitis B	1994	11.3554	10.0587	12.8046
High-middle SDI	Female	Liver cancer due to hepatitis B	1994	1.7982	1.5194	2.1128
High-middle SDI	Both	Liver cancer due to hepatitis B	1994	6.2568	5.5582	6.9782
High-middle SDI	Male	Liver cancer due to hepatitis B	1995	11.5020	10.0071	13.2131
High-middle SDI	Female	Liver cancer due to hepatitis B	1995	1.8046	1.5072	2.1321
High-middle SDI	Both	Liver cancer due to hepatitis B	1995	6.3323	5.5674	7.1846
High-middle SDI	Male	Liver cancer due to hepatitis B	1996	11.5285	10.1612	12.9837
High-middle SDI	Female	Liver cancer due to hepatitis B	1996	1.7933	1.5257	2.0988
High-middle SDI	Both	Liver cancer due to hepatitis B	1996	6.3438	5.6491	7.0736
High-middle SDI	Male	Liver cancer due to hepatitis B	1997	11.3844	10.2120	12.6259
High-middle SDI	Female	Liver cancer due to hepatitis B	1997	1.7571	1.5032	2.0287
High-middle SDI	Both	Liver cancer due to hepatitis B	1997	6.2601	5.6393	6.8954
High-middle SDI	Male	Liver cancer due to hepatitis B	1998	11.1088	9.9589	12.2642
High-middle SDI	Female	Liver cancer due to hepatitis B	1998	1.7048	1.4581	1.9506
High-middle SDI	Both	Liver cancer due to hepatitis B	1998	6.1029	5.5094	6.7014
High-middle SDI	Male	Liver cancer due to hepatitis B	1999	10.7679	9.5499	12.0309
High-middle SDI	Female	Liver cancer due to hepatitis B	1999	1.6439	1.4021	1.8859
High-middle SDI	Both	Liver cancer due to hepatitis B	1999	5.9109	5.3049	6.5671
High-middle SDI	Male	Liver cancer due to hepatitis B	2000	10.3801	9.1041	11.8471
High-middle SDI	Female	Liver cancer due to hepatitis B	2000	1.5801	1.3380	1.8331
High-middle SDI	Both	Liver cancer due to hepatitis B	2000	5.6941	5.0342	6.4510
High-middle SDI	Male	Liver cancer due to hepatitis B	2001	9.6150	8.5945	10.7910
High-middle SDI	Female	Liver cancer due to hepatitis B	2001	1.4770	1.2672	1.6894
High-middle SDI	Both	Liver cancer due to hepatitis B	2001	5.2821	4.7646	5.8820
High-middle SDI	Male	Liver cancer due to hepatitis B	2002	8.2865	7.4886	9.1823
High-middle SDI	Female	Liver cancer due to hepatitis B	2002	1.3158	1.1341	1.4938
High-middle SDI	Both	Liver cancer due to hepatitis B	2002	4.5745	4.1408	5.0314
High-middle SDI	Male	Liver cancer due to hepatitis B	2003	6.7776	6.1258	7.4676
High-middle SDI	Female	Liver cancer due to hepatitis B	2003	1.1376	0.9788	1.3032

High-middle SDI	Both	Liver cancer due to hepatitis B	2003	3.7711	3.4136	4.1243
High-middle SDI	Male	Liver cancer due to hepatitis B	2004	5.4956	4.9561	6.0737
High-middle SDI	Female	Liver cancer due to hepatitis B	2004	0.9844	0.8409	1.1426
High-middle SDI	Both	Liver cancer due to hepatitis B	2004	3.0883	2.7849	3.4133
High-middle SDI	Male	Liver cancer due to hepatitis B	2005	4.8402	4.3070	5.4533
High-middle SDI	Female	Liver cancer due to hepatitis B	2005	0.8973	0.7634	1.0469
High-middle SDI	Both	Liver cancer due to hepatitis B	2005	2.7353	2.4401	3.0614
High-middle SDI	Male	Liver cancer due to hepatitis B	2006	4.6776	4.2215	5.2063
High-middle SDI	Female	Liver cancer due to hepatitis B	2006	0.8635	0.7370	1.0037
High-middle SDI	Both	Liver cancer due to hepatitis B	2006	2.6432	2.3781	2.9397
High-middle SDI	Male	Liver cancer due to hepatitis B	2007	4.5651	4.1331	5.0354
High-middle SDI	Female	Liver cancer due to hepatitis B	2007	0.8364	0.7164	0.9603
High-middle SDI	Both	Liver cancer due to hepatitis B	2007	2.5784	2.3293	2.8549
High-middle SDI	Male	Liver cancer due to hepatitis B	2008	4.4914	4.0664	4.9704
High-middle SDI	Female	Liver cancer due to hepatitis B	2008	0.8147	0.6968	0.9398
High-middle SDI	Both	Liver cancer due to hepatitis B	2008	2.5340	2.2939	2.7989
High-middle SDI	Male	Liver cancer due to hepatitis B	2009	4.4437	3.9889	4.9766
High-middle SDI	Female	Liver cancer due to hepatitis B	2009	0.7966	0.6768	0.9258
High-middle SDI	Both	Liver cancer due to hepatitis B	2009	2.5042	2.2520	2.7943
High-middle SDI	Male	Liver cancer due to hepatitis B	2010	4.4024	3.8854	4.9981
High-middle SDI	Female	Liver cancer due to hepatitis B	2010	0.7792	0.6585	0.9162
High-middle SDI	Both	Liver cancer due to hepatitis B	2010	2.4778	2.2006	2.7938
High-middle SDI	Male	Liver cancer due to hepatitis B	2011	4.3501	3.9011	4.8592
High-middle SDI	Female	Liver cancer due to hepatitis B	2011	0.7590	0.6433	0.8780
High-middle SDI	Both	Liver cancer due to hepatitis B	2011	2.4455	2.2030	2.7253
High-middle SDI	Male	Liver cancer due to hepatitis B	2012	4.2815	3.8722	4.7538
High-middle SDI	Female	Liver cancer due to hepatitis B	2012	0.7347	0.6256	0.8495
High-middle SDI	Both	Liver cancer due to hepatitis B	2012	2.4035	2.1759	2.6582
High-middle SDI	Male	Liver cancer due to hepatitis B	2013	4.2170	3.7584	4.7393
High-middle SDI	Female	Liver cancer due to hepatitis B	2013	0.7116	0.6052	0.8226
High-middle SDI	Both	Liver cancer due to hepatitis B	2013	2.3634	2.1191	2.6343
High-middle SDI	Male	Liver cancer due to hepatitis B	2014	4.1761	3.6418	4.7775
High-middle SDI	Female	Liver cancer due to hepatitis B	2014	0.6940	0.5854	0.8142
High-middle SDI	Both	Liver cancer due to hepatitis B	2014	2.3375	2.0550	2.6474
High-middle SDI	Male	Liver cancer due to hepatitis B	2015	4.1747	3.5354	4.8636
High-middle SDI	Female	Liver cancer due to hepatitis B	2015	0.6864	0.5729	0.8176
High-middle SDI	Both	Liver cancer due to hepatitis B	2015	2.3351	2.0060	2.6932
High-middle SDI	Male	Liver cancer due to hepatitis B	2016	4.2239	3.6770	4.8253
High-middle SDI	Female	Liver cancer due to hepatitis B	2016	0.6881	0.5800	0.8129
High-middle SDI	Both	Liver cancer due to hepatitis B	2016	2.3621	2.0709	2.6818
High-middle SDI	Male	Liver cancer due to hepatitis B	2017	4.2868	3.5279	5.0627
High-middle SDI	Female	Liver cancer due to hepatitis B	2017	0.6909	0.5685	0.8460
High-middle SDI	Both	Liver cancer due to hepatitis B	2017	2.3961	2.0139	2.7960
High-middle SDI	Male	Liver cancer due to hepatitis B	2018	4.3454	3.6962	5.0375
High-middle SDI	Female	Liver cancer due to hepatitis B	2018	0.6917	0.5733	0.8381
High-middle SDI	Both	Liver cancer due to hepatitis B	2018	2.4265	2.0856	2.7833
High-middle SDI	Male	Liver cancer due to hepatitis B	2019	4.4100	3.4719	5.3710
High-middle SDI	Female	Liver cancer due to hepatitis B	2019	0.6910	0.5530	0.8694
High-middle SDI	Both	Liver cancer due to hepatitis B	2019	2.4594	1.9833	2.9459
Low SDI	Male	Liver cancer due to hepatitis B	1990	2.2002	1.7548	2.6990
Low SDI	Female	Liver cancer due to hepatitis B	1990	0.8033	0.6059	1.0416
Low SDI	Both	Liver cancer due to hepatitis B	1990	1.5093	1.2107	1.8401
Low SDI	Male	Liver cancer due to hepatitis B	1991	1.9455	1.5673	2.3597
Low SDI	Female	Liver cancer due to hepatitis B	1991	0.8066	0.6073	1.0460
Low SDI	Both	Liver cancer due to hepatitis B	1991	1.3813	1.1134	1.6842
Low SDI	Male	Liver cancer due to hepatitis B	1992	1.9762	1.5946	2.3891
Low SDI	Female	Liver cancer due to hepatitis B	1992	0.8095	0.6095	1.0446
Low SDI	Both	Liver cancer due to hepatitis B	1992	1.3981	1.1290	1.7053
Low SDI	Male	Liver cancer due to hepatitis B	1993	2.0000	1.6221	2.3997
Low SDI	Female	Liver cancer due to hepatitis B	1993	0.8105	0.6133	1.0513
Low SDI	Both	Liver cancer due to hepatitis B	1993	1.4104	1.1376	1.7255
Low SDI	Male	Liver cancer due to hepatitis B	1994	2.0175	1.6413	2.3997
Low SDI	Female	Liver cancer due to hepatitis B	1994	0.8106	0.6139	1.0538
Low SDI	Both	Liver cancer due to hepatitis B	1994	1.4187	1.1483	1.7245
Low SDI	Male	Liver cancer due to hepatitis B	1995	2.0278	1.6372	2.4276
Low SDI	Female	Liver cancer due to hepatitis B	1995	0.8095	0.6152	1.0430
Low SDI	Both	Liver cancer due to hepatitis B	1995	1.4225	1.1475	1.7183

Low SDI	Male	Liver cancer due to hepatitis B	1996	2.0286	1.6411	2.4173
Low SDI	Female	Liver cancer due to hepatitis B	1996	0.8065	0.6157	1.0437
Low SDI	Both	Liver cancer due to hepatitis B	1996	1.4204	1.1517	1.7206
Low SDI	Male	Liver cancer due to hepatitis B	1997	2.0219	1.6470	2.4148
Low SDI	Female	Liver cancer due to hepatitis B	1997	0.8012	0.6127	1.0265
Low SDI	Both	Liver cancer due to hepatitis B	1997	1.4133	1.1530	1.7154
Low SDI	Male	Liver cancer due to hepatitis B	1998	2.0094	1.6443	2.4105
Low SDI	Female	Liver cancer due to hepatitis B	1998	0.7943	0.6090	1.0157
Low SDI	Both	Liver cancer due to hepatitis B	1998	1.4024	1.1461	1.7054
Low SDI	Male	Liver cancer due to hepatitis B	1999	1.9942	1.6322	2.3732
Low SDI	Female	Liver cancer due to hepatitis B	1999	0.7872	0.6044	1.0139
Low SDI	Both	Liver cancer due to hepatitis B	1999	1.3901	1.1368	1.6915
Low SDI	Male	Liver cancer due to hepatitis B	2000	1.9801	1.6223	2.3696
Low SDI	Female	Liver cancer due to hepatitis B	2000	0.7810	0.5993	1.0023
Low SDI	Both	Liver cancer due to hepatitis B	2000	1.3788	1.1244	1.6655
Low SDI	Male	Liver cancer due to hepatitis B	2001	1.9687	1.6181	2.3452
Low SDI	Female	Liver cancer due to hepatitis B	2001	0.7753	0.6009	0.9903
Low SDI	Both	Liver cancer due to hepatitis B	2001	1.3691	1.1236	1.6486
Low SDI	Male	Liver cancer due to hepatitis B	2002	1.9590	1.6158	2.3434
Low SDI	Female	Liver cancer due to hepatitis B	2002	0.7701	0.6018	0.9834
Low SDI	Both	Liver cancer due to hepatitis B	2002	1.3607	1.1215	1.6384
Low SDI	Male	Liver cancer due to hepatitis B	2003	1.9493	1.6082	2.3285
Low SDI	Female	Liver cancer due to hepatitis B	2003	0.7648	0.6009	0.9740
Low SDI	Both	Liver cancer due to hepatitis B	2003	1.3522	1.1170	1.6228
Low SDI	Male	Liver cancer due to hepatitis B	2004	1.9387	1.5992	2.3192
Low SDI	Female	Liver cancer due to hepatitis B	2004	0.7596	0.5971	0.9687
Low SDI	Both	Liver cancer due to hepatitis B	2004	1.3433	1.1090	1.6041
Low SDI	Male	Liver cancer due to hepatitis B	2005	1.9256	1.5904	2.3048
Low SDI	Female	Liver cancer due to hepatitis B	2005	0.7543	0.5915	0.9610
Low SDI	Both	Liver cancer due to hepatitis B	2005	1.3331	1.0992	1.5878
Low SDI	Male	Liver cancer due to hepatitis B	2006	1.9078	1.5751	2.2763
Low SDI	Female	Liver cancer due to hepatitis B	2006	0.7478	0.5865	0.9498
Low SDI	Both	Liver cancer due to hepatitis B	2006	1.3203	1.0838	1.5748
Low SDI	Male	Liver cancer due to hepatitis B	2007	1.8868	1.5579	2.2410
Low SDI	Female	Liver cancer due to hepatitis B	2007	0.7401	0.5810	0.9406
Low SDI	Both	Liver cancer due to hepatitis B	2007	1.3053	1.0667	1.5632
Low SDI	Male	Liver cancer due to hepatitis B	2008	2.0288	1.6569	2.4217
Low SDI	Female	Liver cancer due to hepatitis B	2008	0.7318	0.5752	0.9275
Low SDI	Both	Liver cancer due to hepatitis B	2008	1.3711	1.1148	1.6490
Low SDI	Male	Liver cancer due to hepatitis B	2009	2.0092	1.6431	2.3987
Low SDI	Female	Liver cancer due to hepatitis B	2009	0.7241	0.5651	0.9136
Low SDI	Both	Liver cancer due to hepatitis B	2009	1.3567	1.1009	1.6388
Low SDI	Male	Liver cancer due to hepatitis B	2010	1.9925	1.6271	2.3915
Low SDI	Female	Liver cancer due to hepatitis B	2010	0.7178	0.5576	0.9130
Low SDI	Both	Liver cancer due to hepatitis B	2010	1.3444	1.0868	1.6299
Low SDI	Male	Liver cancer due to hepatitis B	2011	1.9758	1.6197	2.3703
Low SDI	Female	Liver cancer due to hepatitis B	2011	0.7123	0.5545	0.9038
Low SDI	Both	Liver cancer due to hepatitis B	2011	1.3327	1.0781	1.6206
Low SDI	Male	Liver cancer due to hepatitis B	2012	1.9559	1.6005	2.3509
Low SDI	Female	Liver cancer due to hepatitis B	2012	0.7069	0.5541	0.8981
Low SDI	Both	Liver cancer due to hepatitis B	2012	1.3196	1.0697	1.6091
Low SDI	Male	Liver cancer due to hepatitis B	2013	1.9344	1.5894	2.3278
Low SDI	Female	Liver cancer due to hepatitis B	2013	0.7016	0.5508	0.8920
Low SDI	Both	Liver cancer due to hepatitis B	2013	1.3059	1.0618	1.5868
Low SDI	Male	Liver cancer due to hepatitis B	2014	1.9129	1.5655	2.3101
Low SDI	Female	Liver cancer due to hepatitis B	2014	0.6963	0.5459	0.8854
Low SDI	Both	Liver cancer due to hepatitis B	2014	1.2923	1.0463	1.5751
Low SDI	Male	Liver cancer due to hepatitis B	2015	1.8932	1.5356	2.2940
Low SDI	Female	Liver cancer due to hepatitis B	2015	0.6915	0.5412	0.8787
Low SDI	Both	Liver cancer due to hepatitis B	2015	1.2800	1.0346	1.5647
Low SDI	Male	Liver cancer due to hepatitis B	2016	1.8680	1.5078	2.2616
Low SDI	Female	Liver cancer due to hepatitis B	2016	0.6810	0.5334	0.8662
Low SDI	Both	Liver cancer due to hepatitis B	2016	1.2622	1.0113	1.5404
Low SDI	Male	Liver cancer due to hepatitis B	2017	1.8434	1.4618	2.2574
Low SDI	Female	Liver cancer due to hepatitis B	2017	0.6710	0.5235	0.8562
Low SDI	Both	Liver cancer due to hepatitis B	2017	1.2450	0.9825	1.5298
Low SDI	Male	Liver cancer due to hepatitis B	2018	1.8255	1.4398	2.2268

Low SDI	Female	Liver cancer due to hepatitis B	2018	0.6675	0.5227	0.8498
Low SDI	Both	Liver cancer due to hepatitis B	2018	1.2345	0.9767	1.5160
Low SDI	Male	Liver cancer due to hepatitis B	2019	1.8084	1.4096	2.2080
Low SDI	Female	Liver cancer due to hepatitis B	2019	0.6661	0.5237	0.8581
Low SDI	Both	Liver cancer due to hepatitis B	2019	1.2253	0.9644	1.5042
Low-middle SDI	Male	Liver cancer due to hepatitis B	1990	3.9732	3.3243	4.7109
Low-middle SDI	Female	Liver cancer due to hepatitis B	1990	1.2726	1.0374	1.5523
Low-middle SDI	Both	Liver cancer due to hepatitis B	1990	2.6460	2.2523	3.0832
Low-middle SDI	Male	Liver cancer due to hepatitis B	1991	4.0894	3.5242	4.7291
Low-middle SDI	Female	Liver cancer due to hepatitis B	1991	1.2818	1.0596	1.5340
Low-middle SDI	Both	Liver cancer due to hepatitis B	1991	2.7088	2.3615	3.0842
Low-middle SDI	Male	Liver cancer due to hepatitis B	1992	4.2349	3.7162	4.8358
Low-middle SDI	Female	Liver cancer due to hepatitis B	1992	1.2867	1.0736	1.5278
Low-middle SDI	Both	Liver cancer due to hepatitis B	1992	2.7838	2.4751	3.1191
Low-middle SDI	Male	Liver cancer due to hepatitis B	1993	4.3430	3.8350	4.9365
Low-middle SDI	Female	Liver cancer due to hepatitis B	1993	1.2874	1.0762	1.5171
Low-middle SDI	Both	Liver cancer due to hepatitis B	1993	2.8373	2.5241	3.1806
Low-middle SDI	Male	Liver cancer due to hepatitis B	1994	4.4176	3.8668	5.0370
Low-middle SDI	Female	Liver cancer due to hepatitis B	1994	1.2849	1.0749	1.5225
Low-middle SDI	Both	Liver cancer due to hepatitis B	1994	2.8719	2.5441	3.2307
Low-middle SDI	Male	Liver cancer due to hepatitis B	1995	4.4496	3.7927	5.1696
Low-middle SDI	Female	Liver cancer due to hepatitis B	1995	1.2786	1.0695	1.5214
Low-middle SDI	Both	Liver cancer due to hepatitis B	1995	2.8825	2.5209	3.2712
Low-middle SDI	Male	Liver cancer due to hepatitis B	1996	4.4339	3.8318	5.0738
Low-middle SDI	Female	Liver cancer due to hepatitis B	1996	1.2634	1.0654	1.4799
Low-middle SDI	Both	Liver cancer due to hepatitis B	1996	2.8642	2.5249	3.2375
Low-middle SDI	Male	Liver cancer due to hepatitis B	1997	4.3690	3.8048	4.9671
Low-middle SDI	Female	Liver cancer due to hepatitis B	1997	1.2366	1.0429	1.4480
Low-middle SDI	Both	Liver cancer due to hepatitis B	1997	2.8150	2.4816	3.1641
Low-middle SDI	Male	Liver cancer due to hepatitis B	1998	4.2658	3.6918	4.8485
Low-middle SDI	Female	Liver cancer due to hepatitis B	1998	1.2017	1.0105	1.4044
Low-middle SDI	Both	Liver cancer due to hepatitis B	1998	2.7425	2.4057	3.1009
Low-middle SDI	Male	Liver cancer due to hepatitis B	1999	4.1388	3.5830	4.7206
Low-middle SDI	Female	Liver cancer due to hepatitis B	1999	1.1623	0.9748	1.3540
Low-middle SDI	Both	Liver cancer due to hepatitis B	1999	2.6562	2.3132	3.0136
Low-middle SDI	Male	Liver cancer due to hepatitis B	2000	3.9936	3.4179	4.5946
Low-middle SDI	Female	Liver cancer due to hepatitis B	2000	1.1212	0.9349	1.3140
Low-middle SDI	Both	Liver cancer due to hepatitis B	2000	2.5599	2.2189	2.9289
Low-middle SDI	Male	Liver cancer due to hepatitis B	2001	3.7652	3.2697	4.2782
Low-middle SDI	Female	Liver cancer due to hepatitis B	2001	1.0655	0.8897	1.2378
Low-middle SDI	Both	Liver cancer due to hepatitis B	2001	2.4149	2.1077	2.7352
Low-middle SDI	Male	Liver cancer due to hepatitis B	2002	3.4255	2.9937	3.8648
Low-middle SDI	Female	Liver cancer due to hepatitis B	2002	0.9905	0.8313	1.1540
Low-middle SDI	Both	Liver cancer due to hepatitis B	2002	2.2050	1.9260	2.4932
Low-middle SDI	Male	Liver cancer due to hepatitis B	2003	3.0608	2.6668	3.4785
Low-middle SDI	Female	Liver cancer due to hepatitis B	2003	0.9126	0.7643	1.0775
Low-middle SDI	Both	Liver cancer due to hepatitis B	2003	1.9818	1.7257	2.2570
Low-middle SDI	Male	Liver cancer due to hepatitis B	2004	2.7572	2.3976	3.1497
Low-middle SDI	Female	Liver cancer due to hepatitis B	2004	0.8485	0.7078	1.0115
Low-middle SDI	Both	Liver cancer due to hepatitis B	2004	1.7963	1.5635	2.0564
Low-middle SDI	Male	Liver cancer due to hepatitis B	2005	2.5972	2.2549	2.9829
Low-middle SDI	Female	Liver cancer due to hepatitis B	2005	0.8132	0.6731	0.9746
Low-middle SDI	Both	Liver cancer due to hepatitis B	2005	1.6971	1.4740	1.9484
Low-middle SDI	Male	Liver cancer due to hepatitis B	2006	2.5429	2.2203	2.9079
Low-middle SDI	Female	Liver cancer due to hepatitis B	2006	0.7984	0.6594	0.9525
Low-middle SDI	Both	Liver cancer due to hepatitis B	2006	1.6610	1.4443	1.9077
Low-middle SDI	Male	Liver cancer due to hepatitis B	2007	2.4965	2.1889	2.8388
Low-middle SDI	Female	Liver cancer due to hepatitis B	2007	0.7854	0.6486	0.9366
Low-middle SDI	Both	Liver cancer due to hepatitis B	2007	1.6298	1.4223	1.8675
Low-middle SDI	Male	Liver cancer due to hepatitis B	2008	2.4594	2.1591	2.7768
Low-middle SDI	Female	Liver cancer due to hepatitis B	2008	0.7745	0.6371	0.9182
Low-middle SDI	Both	Liver cancer due to hepatitis B	2008	1.6043	1.3960	1.8272
Low-middle SDI	Male	Liver cancer due to hepatitis B	2009	2.4332	2.1372	2.7302
Low-middle SDI	Female	Liver cancer due to hepatitis B	2009	0.7659	0.6278	0.9119
Low-middle SDI	Both	Liver cancer due to hepatitis B	2009	1.5853	1.3799	1.8035
Low-middle SDI	Male	Liver cancer due to hepatitis B	2010	2.4181	2.1262	2.7237
Low-middle SDI	Female	Liver cancer due to hepatitis B	2010	0.7597	0.6223	0.9134



Low-middle SDI	Both	Liver cancer due to hepatitis B	2010	1.5731	1.3731	1.7888
Low-middle SDI	Male	Liver cancer due to hepatitis B	2011	2.4195	2.1332	2.7221
Low-middle SDI	Female	Liver cancer due to hepatitis B	2011	0.7560	0.6193	0.9115
Low-middle SDI	Both	Liver cancer due to hepatitis B	2011	1.5703	1.3752	1.7813
Low-middle SDI	Male	Liver cancer due to hepatitis B	2012	2.4352	2.1566	2.7276
Low-middle SDI	Female	Liver cancer due to hepatitis B	2012	0.7537	0.6171	0.9078
Low-middle SDI	Both	Liver cancer due to hepatitis B	2012	1.5753	1.3847	1.7824
Low-middle SDI	Male	Liver cancer due to hepatitis B	2013	2.4591	2.1824	2.7533
Low-middle SDI	Female	Liver cancer due to hepatitis B	2013	0.7523	0.6203	0.9105
Low-middle SDI	Both	Liver cancer due to hepatitis B	2013	1.5846	1.3905	1.7919
Low-middle SDI	Male	Liver cancer due to hepatitis B	2014	2.4842	2.1954	2.7827
Low-middle SDI	Female	Liver cancer due to hepatitis B	2014	0.7509	0.6198	0.9146
Low-middle SDI	Both	Liver cancer due to hepatitis B	2014	1.5946	1.3955	1.8086
Low-middle SDI	Male	Liver cancer due to hepatitis B	2015	2.5032	2.1831	2.8429
Low-middle SDI	Female	Liver cancer due to hepatitis B	2015	0.7486	0.6144	0.9210
Low-middle SDI	Both	Liver cancer due to hepatitis B	2015	1.6014	1.3883	1.8212
Low-middle SDI	Male	Liver cancer due to hepatitis B	2016	2.5211	2.2163	2.8471
Low-middle SDI	Female	Liver cancer due to hepatitis B	2016	0.7417	0.6088	0.9086
Low-middle SDI	Both	Liver cancer due to hepatitis B	2016	1.6057	1.4005	1.8308
Low-middle SDI	Male	Liver cancer due to hepatitis B	2017	2.5310	2.1950	2.9046
Low-middle SDI	Female	Liver cancer due to hepatitis B	2017	0.7348	0.5954	0.9041
Low-middle SDI	Both	Liver cancer due to hepatitis B	2017	1.6062	1.3911	1.8525
Low-middle SDI	Male	Liver cancer due to hepatitis B	2018	2.5246	2.2088	2.8719
Low-middle SDI	Female	Liver cancer due to hepatitis B	2018	0.7312	0.5903	0.9055
Low-middle SDI	Both	Liver cancer due to hepatitis B	2018	1.6005	1.3944	1.8364
Low-middle SDI	Male	Liver cancer due to hepatitis B	2019	2.5082	2.1367	2.9181
Low-middle SDI	Female	Liver cancer due to hepatitis B	2019	0.7276	0.5791	0.9189
Low-middle SDI	Both	Liver cancer due to hepatitis B	2019	1.5898	1.3626	1.8521
Middle SDI	Male	Liver cancer due to hepatitis B	1990	13.7994	11.0716	16.7248
Middle SDI	Female	Liver cancer due to hepatitis B	1990	3.3954	2.6988	4.2616
Middle SDI	Both	Liver cancer due to hepatitis B	1990	8.5781	7.0637	10.2635
Middle SDI	Male	Liver cancer due to hepatitis B	1991	10.2655	8.7422	11.7825
Middle SDI	Female	Liver cancer due to hepatitis B	1991	3.4213	2.8116	4.1537
Middle SDI	Both	Liver cancer due to hepatitis B	1991	6.8317	5.9228	7.7602
Middle SDI	Male	Liver cancer due to hepatitis B	1992	10.6310	9.3724	11.9616
Middle SDI	Female	Liver cancer due to hepatitis B	1992	3.4257	2.8861	4.0977
Middle SDI	Both	Liver cancer due to hepatitis B	1992	7.0151	6.1899	7.8359
Middle SDI	Male	Liver cancer due to hepatitis B	1993	10.9073	9.7384	12.2083
Middle SDI	Female	Liver cancer due to hepatitis B	1993	3.4133	2.9004	4.0420
Middle SDI	Both	Liver cancer due to hepatitis B	1993	7.1456	6.4028	7.9394
Middle SDI	Male	Liver cancer due to hepatitis B	1994	11.1165	9.9195	12.5257
Middle SDI	Female	Liver cancer due to hepatitis B	1994	3.3881	2.8900	4.0117
Middle SDI	Both	Liver cancer due to hepatitis B	1994	7.2366	6.4950	8.0352
Middle SDI	Male	Liver cancer due to hepatitis B	1995	11.2301	9.8873	12.9026
Middle SDI	Female	Liver cancer due to hepatitis B	1995	3.3491	2.8507	3.9796
Middle SDI	Both	Liver cancer due to hepatitis B	1995	7.2719	6.4965	8.1899
Middle SDI	Male	Liver cancer due to hepatitis B	1996	11.2160	10.0583	12.5948
Middle SDI	Female	Liver cancer due to hepatitis B	1996	3.2794	2.8248	3.8550
Middle SDI	Both	Liver cancer due to hepatitis B	1996	7.2274	6.5306	8.0397
Middle SDI	Male	Liver cancer due to hepatitis B	1997	11.0738	9.9963	12.2760
Middle SDI	Female	Liver cancer due to hepatitis B	1997	3.1706	2.7324	3.6892
Middle SDI	Both	Liver cancer due to hepatitis B	1997	7.0989	6.4564	7.8028
Middle SDI	Male	Liver cancer due to hepatitis B	1998	10.8309	9.7524	11.9789
Middle SDI	Female	Liver cancer due to hepatitis B	1998	3.0374	2.6184	3.4801
Middle SDI	Both	Liver cancer due to hepatitis B	1998	6.9072	6.2724	7.5839
Middle SDI	Male	Liver cancer due to hepatitis B	1999	10.5254	9.3867	11.7460
Middle SDI	Female	Liver cancer due to hepatitis B	1999	2.8925	2.4874	3.3233
Middle SDI	Both	Liver cancer due to hepatitis B	1999	6.6790	6.0067	7.3716
Middle SDI	Male	Liver cancer due to hepatitis B	2000	10.1809	8.8888	11.5262
Middle SDI	Female	Liver cancer due to hepatitis B	2000	2.7458	2.3505	3.1636
Middle SDI	Both	Liver cancer due to hepatitis B	2000	6.4299	5.6881	7.2174
Middle SDI	Male	Liver cancer due to hepatitis B	2001	9.4882	8.4951	10.5965
Middle SDI	Female	Liver cancer due to hepatitis B	2001	2.5367	2.2012	2.9062
Middle SDI	Both	Liver cancer due to hepatitis B	2001	5.9770	5.3674	6.5974
Middle SDI	Male	Liver cancer due to hepatitis B	2002	8.3445	7.5447	9.1750
Middle SDI	Female	Liver cancer due to hepatitis B	2002	2.2432	1.9565	2.5613
Middle SDI	Both	Liver cancer due to hepatitis B	2002	5.2593	4.7392	5.7451

Middle SDI	Male	Liver cancer due to hepatitis B	2003	7.0716	6.3820	7.7826
Middle SDI	Female	Liver cancer due to hepatitis B	2003	1.9351	1.6733	2.2037
Middle SDI	Both	Liver cancer due to hepatitis B	2003	4.4709	4.0206	4.9156
Middle SDI	Male	Liver cancer due to hepatitis B	2004	6.0082	5.3895	6.6344
Middle SDI	Female	Liver cancer due to hepatitis B	2004	1.6796	1.4487	1.9320
Middle SDI	Both	Liver cancer due to hepatitis B	2004	3.8139	3.4173	4.2166
Middle SDI	Male	Liver cancer due to hepatitis B	2005	5.4699	4.8763	6.1070
Middle SDI	Female	Liver cancer due to hepatitis B	2005	1.5415	1.3116	1.7924
Middle SDI	Both	Liver cancer due to hepatitis B	2005	3.4758	3.0951	3.8786
Middle SDI	Male	Liver cancer due to hepatitis B	2006	5.3400	4.7882	5.9187
Middle SDI	Female	Liver cancer due to hepatitis B	2006	1.4914	1.2791	1.7240
Middle SDI	Both	Liver cancer due to hepatitis B	2006	3.3839	3.0356	3.7537
Middle SDI	Male	Liver cancer due to hepatitis B	2007	5.2653	4.7481	5.8105
Middle SDI	Female	Liver cancer due to hepatitis B	2007	1.4553	1.2557	1.6809
Middle SDI	Both	Liver cancer due to hepatitis B	2007	3.3263	2.9972	3.6799
Middle SDI	Male	Liver cancer due to hepatitis B	2008	5.2204	4.6916	5.7798
Middle SDI	Female	Liver cancer due to hepatitis B	2008	1.4294	1.2303	1.6518
Middle SDI	Both	Liver cancer due to hepatitis B	2008	3.2884	2.9610	3.6348
Middle SDI	Male	Liver cancer due to hepatitis B	2009	5.2050	4.6284	5.8213
Middle SDI	Female	Liver cancer due to hepatitis B	2009	1.4102	1.2074	1.6362
Middle SDI	Both	Liver cancer due to hepatitis B	2009	3.2684	2.9337	3.6345
Middle SDI	Male	Liver cancer due to hepatitis B	2010	5.2018	4.5894	5.9161
Middle SDI	Female	Liver cancer due to hepatitis B	2010	1.3939	1.1818	1.6341
Middle SDI	Both	Liver cancer due to hepatitis B	2010	3.2560	2.8980	3.6635
Middle SDI	Male	Liver cancer due to hepatitis B	2011	5.2335	4.6856	5.8627
Middle SDI	Female	Liver cancer due to hepatitis B	2011	1.3777	1.1775	1.6015
Middle SDI	Both	Liver cancer due to hepatitis B	2011	3.2609	2.9309	3.6444
Middle SDI	Male	Liver cancer due to hepatitis B	2012	5.2990	4.7795	5.9337
Middle SDI	Female	Liver cancer due to hepatitis B	2012	1.3622	1.1661	1.5830
Middle SDI	Both	Liver cancer due to hepatitis B	2012	3.2829	2.9637	3.6626
Middle SDI	Male	Liver cancer due to hepatitis B	2013	5.3856	4.8009	6.0347
Middle SDI	Female	Liver cancer due to hepatitis B	2013	1.3485	1.1499	1.5699
Middle SDI	Both	Liver cancer due to hepatitis B	2013	3.3160	2.9650	3.7147
Middle SDI	Male	Liver cancer due to hepatitis B	2014	5.4722	4.8412	6.1694
Middle SDI	Female	Liver cancer due to hepatitis B	2014	1.3375	1.1292	1.5745
Middle SDI	Both	Liver cancer due to hepatitis B	2014	3.3506	2.9625	3.7833
Middle SDI	Male	Liver cancer due to hepatitis B	2015	5.5375	4.7761	6.4415
Middle SDI	Female	Liver cancer due to hepatitis B	2015	1.3294	1.1100	1.5824
Middle SDI	Both	Liver cancer due to hepatitis B	2015	3.3762	2.9389	3.8641
Middle SDI	Male	Liver cancer due to hepatitis B	2016	5.6255	4.9312	6.3899
Middle SDI	Female	Liver cancer due to hepatitis B	2016	1.3302	1.1202	1.5807
Middle SDI	Both	Liver cancer due to hepatitis B	2016	3.4176	3.0125	3.8596
Middle SDI	Male	Liver cancer due to hepatitis B	2017	5.7098	4.7713	6.7508
Middle SDI	Female	Liver cancer due to hepatitis B	2017	1.3322	1.0871	1.6055
Middle SDI	Both	Liver cancer due to hepatitis B	2017	3.4578	2.9315	4.0070
Middle SDI	Male	Liver cancer due to hepatitis B	2018	5.7324	4.9186	6.5985
Middle SDI	Female	Liver cancer due to hepatitis B	2018	1.3261	1.0936	1.6013
Middle SDI	Both	Liver cancer due to hepatitis B	2018	3.4637	3.0009	3.9768
Middle SDI	Male	Liver cancer due to hepatitis B	2019	5.7280	4.6805	6.9041
Middle SDI	Female	Liver cancer due to hepatitis B	2019	1.3148	1.0423	1.6292
Middle SDI	Both	Liver cancer due to hepatitis B	2019	3.4540	2.8937	4.0954

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to hepatitis B	2019	3.5984	2.4942	4.9717
Albania	Both	Liver cancer due to hepatitis B	2019	1.6588	1.0563	2.4511
Algeria	Both	Liver cancer due to hepatitis B	2019	0.7094	0.4853	0.9901
American Samoa	Both	Liver cancer due to hepatitis B	2019	3.6356	2.7847	4.7473
Andorra	Both	Liver cancer due to hepatitis B	2019	1.4562	0.9161	2.2216
Angola	Both	Liver cancer due to hepatitis B	2019	0.5388	0.3610	0.7822
Antigua and Barbuda	Both	Liver cancer due to hepatitis B	2019	0.6854	0.4835	0.9644
Argentina	Both	Liver cancer due to hepatitis B	2019	0.3557	0.2313	0.5381
Armenia	Both	Liver cancer due to hepatitis B	2019	1.3850	0.9323	1.9758
Australia	Both	Liver cancer due to hepatitis B	2019	0.6498	0.4053	0.9822
Austria	Both	Liver cancer due to hepatitis B	2019	0.4057	0.2556	0.6231
Azerbaijan	Both	Liver cancer due to hepatitis B	2019	0.9236	0.6127	1.3597
Bahamas	Both	Liver cancer due to hepatitis B	2019	0.8902	0.6345	1.2355
Bahrain	Both	Liver cancer due to hepatitis B	2019	1.4958	1.0291	2.1627
Bangladesh	Both	Liver cancer due to hepatitis B	2019	0.5690	0.3942	0.8215
Barbados	Both	Liver cancer due to hepatitis B	2019	0.6099	0.4316	0.8570
Belarus	Both	Liver cancer due to hepatitis B	2019	0.5177	0.3200	0.8042
Belgium	Both	Liver cancer due to hepatitis B	2019	0.5851	0.3750	0.8715
Belize	Both	Liver cancer due to hepatitis B	2019	0.8243	0.5920	1.1161
Benin	Both	Liver cancer due to hepatitis B	2019	2.1548	1.4851	3.0036
Bermuda	Both	Liver cancer due to hepatitis B	2019	0.5237	0.3632	0.7411
Bhutan	Both	Liver cancer due to hepatitis B	2019	0.7378	0.4273	1.1548
Bolivia (Plurinational State of)	Both	Liver cancer due to hepatitis B	2019	1.9554	1.3375	2.7116
Bosnia and Herzegovina	Both	Liver cancer due to hepatitis B	2019	1.6697	1.1083	2.4983
Botswana	Both	Liver cancer due to hepatitis B	2019	0.5193	0.3400	0.7612
Brazil	Both	Liver cancer due to hepatitis B	2019	0.4178	0.3529	0.4918
Brunei Darussalam	Both	Liver cancer due to hepatitis B	2019	5.2942	3.9620	6.8871
Bulgaria	Both	Liver cancer due to hepatitis B	2019	1.0182	0.6841	1.5161
Burkina Faso	Both	Liver cancer due to hepatitis B	2019	0.8415	0.5863	1.1708
Burundi	Both	Liver cancer due to hepatitis B	2019	0.7764	0.4529	1.3015
Cabo Verde	Both	Liver cancer due to hepatitis B	2019	5.2708	3.9548	6.8312
Cambodia	Both	Liver cancer due to hepatitis B	2019	2.9879	2.1065	4.1643
Cameroon	Both	Liver cancer due to hepatitis B	2019	0.3035	0.2047	0.4279
Canada	Both	Liver cancer due to hepatitis B	2019	0.3589	0.2283	0.5494
Central African Republic	Both	Liver cancer due to hepatitis B	2019	0.8054	0.4576	1.3128
Chad	Both	Liver cancer due to hepatitis B	2019	2.6576	1.8660	3.6350
Chile	Both	Liver cancer due to hepatitis B	2019	0.4983	0.3168	0.7629
China	Both	Liver cancer due to hepatitis B	2019	6.6338	5.3645	8.0677
Colombia	Both	Liver cancer due to hepatitis B	2019	0.4419	0.2782	0.6651
Comoros	Both	Liver cancer due to hepatitis B	2019	0.8220	0.4719	1.4218
Congo	Both	Liver cancer due to hepatitis B	2019	0.6462	0.4121	0.9856
Cook Islands	Both	Liver cancer due to hepatitis B	2019	5.5043	4.0707	7.3210
Costa Rica	Both	Liver cancer due to hepatitis B	2019	0.7763	0.4994	1.1836
Côte d'Ivoire	Both	Liver cancer due to hepatitis B	2019	2.2134	1.4856	3.1871
Croatia	Both	Liver cancer due to hepatitis B	2019	0.8181	0.5378	1.2247
Cuba	Both	Liver cancer due to hepatitis B	2019	0.5835	0.4008	0.8388
Cyprus	Both	Liver cancer due to hepatitis B	2019	0.4686	0.3210	0.6719
Czechia	Both	Liver cancer due to hepatitis B	2019	0.5616	0.3751	0.8250
Democratic People's Republic of Korea	Both	Liver cancer due to hepatitis B	2019	6.0472	4.1944	8.4484
Democratic Republic of the Congo	Both	Liver cancer due to hepatitis B	2019	0.4953	0.3153	0.7599
Denmark	Both	Liver cancer due to hepatitis B	2019	0.6062	0.3787	0.9274
Djibouti	Both	Liver cancer due to hepatitis B	2019	0.9555	0.5312	1.6879
Dominica	Both	Liver cancer due to hepatitis B	2019	0.8347	0.5608	1.1841
Dominican Republic	Both	Liver cancer due to hepatitis B	2019	1.3002	0.7699	2.1824
Ecuador	Both	Liver cancer due to hepatitis B	2019	1.4166	1.0034	1.9225
Egypt	Both	Liver cancer due to hepatitis B	2019	2.4940	1.4982	4.0281
El Salvador	Both	Liver cancer due to hepatitis B	2019	0.3065	0.1932	0.4711
Equatorial Guinea	Both	Liver cancer due to hepatitis B	2019	0.7495	0.3986	1.2235
Eritrea	Both	Liver cancer due to hepatitis B	2019	0.8582	0.5161	1.3461
Estonia	Both	Liver cancer due to hepatitis B	2019	0.7330	0.4683	1.0836
Eswatini	Both	Liver cancer due to hepatitis B	2019	7.5113	1.8281	14.2468
Ethiopia	Both	Liver cancer due to hepatitis B	2019	0.5784	0.4276	0.7839
Fiji	Both	Liver cancer due to hepatitis B	2019	2.9590	2.1230	4.0849

Finland	Both	Liver cancer due to hepatitis B	2019	0.7619	0.4882	1.1730
France	Both	Liver cancer due to hepatitis B	2019	0.9557	0.6031	1.4655
Gabon	Both	Liver cancer due to hepatitis B	2019	0.6731	0.3904	1.0853
Gambia	Both	Liver cancer due to hepatitis B	2019	20.2684	14.0858	28.5575
Georgia	Both	Liver cancer due to hepatitis B	2019	0.8893	0.6186	1.2778
Germany	Both	Liver cancer due to hepatitis B	2019	0.5488	0.3539	0.8304
Ghana	Both	Liver cancer due to hepatitis B	2019	2.7654	1.9407	3.7819
Greece	Both	Liver cancer due to hepatitis B	2019	1.3104	0.9164	1.8420
Greenland	Both	Liver cancer due to hepatitis B	2019	0.7771	0.4834	1.1775
Grenada	Both	Liver cancer due to hepatitis B	2019	0.7389	0.5220	1.0207
Guam	Both	Liver cancer due to hepatitis B	2019	3.4854	2.6639	4.4487
Guatemala	Both	Liver cancer due to hepatitis B	2019	0.7382	0.4755	1.1009
Guinea	Both	Liver cancer due to hepatitis B	2019	16.9972	11.2516	23.2404
Guinea-Bissau	Both	Liver cancer due to hepatitis B	2019	2.8954	1.9771	4.0792
Guyana	Both	Liver cancer due to hepatitis B	2019	0.8171	0.5434	1.1804
Haiti	Both	Liver cancer due to hepatitis B	2019	1.1907	0.6614	2.0192
Honduras	Both	Liver cancer due to hepatitis B	2019	2.4551	0.9692	4.3097
Hungary	Both	Liver cancer due to hepatitis B	2019	0.5881	0.4013	0.8386
Iceland	Both	Liver cancer due to hepatitis B	2019	0.5797	0.4032	0.8255
India	Both	Liver cancer due to hepatitis B	2019	0.9035	0.7189	1.1076
Indonesia	Both	Liver cancer due to hepatitis B	2019	0.4266	0.3316	0.5302
Iran (Islamic Republic of)	Both	Liver cancer due to hepatitis B	2019	1.4194	1.2034	1.6574
Iraq	Both	Liver cancer due to hepatitis B	2019	2.0378	1.3795	2.8836
Ireland	Both	Liver cancer due to hepatitis B	2019	0.5366	0.3371	0.8169
Israel	Both	Liver cancer due to hepatitis B	2019	0.4753	0.3063	0.7299
Italy	Both	Liver cancer due to hepatitis B	2019	0.7507	0.5620	0.9800
Jamaica	Both	Liver cancer due to hepatitis B	2019	0.7095	0.4815	0.9973
Japan	Both	Liver cancer due to hepatitis B	2019	1.6478	1.2959	2.0814
Jordan	Both	Liver cancer due to hepatitis B	2019	0.8037	0.5579	1.1268
Kazakhstan	Both	Liver cancer due to hepatitis B	2019	1.4153	0.9774	1.9930
Kenya	Both	Liver cancer due to hepatitis B	2019	0.7480	0.4631	1.1587
Kiribati	Both	Liver cancer due to hepatitis B	2019	6.0845	4.3815	8.1731
Kuwait	Both	Liver cancer due to hepatitis B	2019	0.8386	0.5569	1.2174
Kyrgyzstan	Both	Liver cancer due to hepatitis B	2019	0.5391	0.3748	0.7570
Lao People's Democratic Republic	Both	Liver cancer due to hepatitis B	2019	2.6151	1.7574	3.6723
Latvia	Both	Liver cancer due to hepatitis B	2019	0.5597	0.3793	0.8060
Lebanon	Both	Liver cancer due to hepatitis B	2019	1.7586	1.2268	2.5194
Lesotho	Both	Liver cancer due to hepatitis B	2019	5.6007	1.9670	9.5482
Liberia	Both	Liver cancer due to hepatitis B	2019	2.2941	1.5085	3.5377
Libya	Both	Liver cancer due to hepatitis B	2019	1.7957	1.2031	2.6389
Lithuania	Both	Liver cancer due to hepatitis B	2019	0.6859	0.4553	1.0053
Luxembourg	Both	Liver cancer due to hepatitis B	2019	0.5135	0.3269	0.7750
Madagascar	Both	Liver cancer due to hepatitis B	2019	0.7238	0.4203	1.2329
Malawi	Both	Liver cancer due to hepatitis B	2019	0.7434	0.4993	1.0713
Malaysia	Both	Liver cancer due to hepatitis B	2019	3.3810	2.4158	4.4748
Maldives	Both	Liver cancer due to hepatitis B	2019	2.1248	1.4917	2.8923
Mali	Both	Liver cancer due to hepatitis B	2019	5.4159	3.4601	7.8081
Malta	Both	Liver cancer due to hepatitis B	2019	0.3588	0.2475	0.5245
Marshall Islands	Both	Liver cancer due to hepatitis B	2019	5.3816	3.5911	7.8404
Mauritania	Both	Liver cancer due to hepatitis B	2019	1.9324	1.3013	2.7183
Mauritius	Both	Liver cancer due to hepatitis B	2019	0.6522	0.4382	0.9310
Mexico	Both	Liver cancer due to hepatitis B	2019	0.3988	0.3136	0.5064
Micronesia (Federated States of)	Both	Liver cancer due to hepatitis B	2019	5.3451	3.3279	7.8611
Monaco	Both	Liver cancer due to hepatitis B	2019	1.3523	0.8773	1.9703
Mongolia	Both	Liver cancer due to hepatitis B	2019	27.2815	18.0120	39.1022
Montenegro	Both	Liver cancer due to hepatitis B	2019	1.3143	0.8773	1.9007
Morocco	Both	Liver cancer due to hepatitis B	2019	0.7243	0.4828	1.0206
Mozambique	Both	Liver cancer due to hepatitis B	2019	1.4385	0.9122	2.0750
Myanmar	Both	Liver cancer due to hepatitis B	2019	1.3246	0.9349	1.8370
Namibia	Both	Liver cancer due to hepatitis B	2019	1.0744	0.7091	1.5490
Nauru	Both	Liver cancer due to hepatitis B	2019	4.6627	3.1241	6.7668
Nepal	Both	Liver cancer due to hepatitis B	2019	0.4702	0.2909	0.7398
Netherlands	Both	Liver cancer due to hepatitis B	2019	0.4692	0.3076	0.6996
New Zealand	Both	Liver cancer due to hepatitis B	2019	0.8764	0.6568	1.1392
Nicaragua	Both	Liver cancer due to hepatitis B	2019	0.5428	0.3522	0.7936
Niger	Both	Liver cancer due to hepatitis B	2019	0.3027	0.2045	0.4206
Nigeria	Both	Liver cancer due to hepatitis B	2019	1.2283	0.9132	1.6158

Niue	Both	Liver cancer due to hepatitis B	2019	3.6860	2.6055	5.0551
North Macedonia	Both	Liver cancer due to hepatitis B	2019	1.9623	1.3034	2.8911
Northern Mariana Islands	Both	Liver cancer due to hepatitis B	2019	4.4727	3.3850	5.7935
Norway	Both	Liver cancer due to hepatitis B	2019	0.4473	0.3454	0.5777
Oman	Both	Liver cancer due to hepatitis B	2019	1.7617	1.2592	2.4740
Pakistan	Both	Liver cancer due to hepatitis B	2019	0.5139	0.3927	0.6718
Palau	Both	Liver cancer due to hepatitis B	2019	5.8383	4.2400	7.8632
Palestine	Both	Liver cancer due to hepatitis B	2019	2.0648	1.4914	2.8078
Panama	Both	Liver cancer due to hepatitis B	2019	0.4517	0.2889	0.6822
Papua New Guinea	Both	Liver cancer due to hepatitis B	2019	0.6886	0.4742	0.9586
Paraguay	Both	Liver cancer due to hepatitis B	2019	0.3611	0.2227	0.5566
Peru	Both	Liver cancer due to hepatitis B	2019	1.0794	0.7316	1.5405
Philippines	Both	Liver cancer due to hepatitis B	2019	2.7258	2.1092	3.5185
Poland	Both	Liver cancer due to hepatitis B	2019	0.3839	0.2954	0.4903
Portugal	Both	Liver cancer due to hepatitis B	2019	0.7361	0.4615	1.1388
Puerto Rico	Both	Liver cancer due to hepatitis B	2019	0.7147	0.4603	1.0592
Qatar	Both	Liver cancer due to hepatitis B	2019	4.7270	2.9096	7.3342
Republic of Korea	Both	Liver cancer due to hepatitis B	2019	12.8230	9.9704	16.3076
Republic of Moldova	Both	Liver cancer due to hepatitis B	2019	0.4304	0.2971	0.6131
Romania	Both	Liver cancer due to hepatitis B	2019	0.6477	0.4415	0.9369
Russian Federation	Both	Liver cancer due to hepatitis B	2019	0.7015	0.5465	0.9069
Rwanda	Both	Liver cancer due to hepatitis B	2019	1.1145	0.7269	1.6147
Saint Kitts and Nevis	Both	Liver cancer due to hepatitis B	2019	1.0225	0.6870	1.4454
Saint Lucia	Both	Liver cancer due to hepatitis B	2019	0.5444	0.3850	0.7519
Saint Vincent and the Grenadines	Both	Liver cancer due to hepatitis B	2019	0.8103	0.5880	1.0884
Samoa	Both	Liver cancer due to hepatitis B	2019	2.7006	1.9375	3.6759
San Marino	Both	Liver cancer due to hepatitis B	2019	0.4566	0.2887	0.6997
Sao Tome and Principe	Both	Liver cancer due to hepatitis B	2019	1.2134	0.7635	1.7329
Saudi Arabia	Both	Liver cancer due to hepatitis B	2019	1.6638	1.1054	2.3891
Senegal	Both	Liver cancer due to hepatitis B	2019	1.1757	0.8435	1.5726
Serbia	Both	Liver cancer due to hepatitis B	2019	1.0938	0.7015	1.6528
Seychelles	Both	Liver cancer due to hepatitis B	2019	2.0687	1.5103	2.7864
Sierra Leone	Both	Liver cancer due to hepatitis B	2019	2.1386	1.4757	3.0728
Singapore	Both	Liver cancer due to hepatitis B	2019	6.3605	4.6076	8.3143
Slovakia	Both	Liver cancer due to hepatitis B	2019	0.7045	0.4505	1.0401
Slovenia	Both	Liver cancer due to hepatitis B	2019	1.2087	0.7627	1.8080
Solomon Islands	Both	Liver cancer due to hepatitis B	2019	2.7548	2.0649	3.6066
Somalia	Both	Liver cancer due to hepatitis B	2019	1.0926	0.6242	2.0234
South Africa	Both	Liver cancer due to hepatitis B	2019	1.9591	1.6383	2.3174
South Sudan	Both	Liver cancer due to hepatitis B	2019	0.8591	0.4524	1.6321
Spain	Both	Liver cancer due to hepatitis B	2019	0.7396	0.4696	1.1370
Sri Lanka	Both	Liver cancer due to hepatitis B	2019	1.0144	0.6668	1.4665
Sudan	Both	Liver cancer due to hepatitis B	2019	1.2436	0.6757	2.0461
Suriname	Both	Liver cancer due to hepatitis B	2019	0.7088	0.4882	0.9992
Sweden	Both	Liver cancer due to hepatitis B	2019	0.2010	0.1467	0.2683
Switzerland	Both	Liver cancer due to hepatitis B	2019	0.8423	0.5251	1.2856
Syrian Arab Republic	Both	Liver cancer due to hepatitis B	2019	1.4691	0.9843	2.1201
Taiwan (Province of China)	Both	Liver cancer due to hepatitis B	2019	3.8438	2.7515	5.2432
Tajikistan	Both	Liver cancer due to hepatitis B	2019	0.6208	0.4213	0.8757
Thailand	Both	Liver cancer due to hepatitis B	2019	9.9734	6.8761	14.1436
Timor-Leste	Both	Liver cancer due to hepatitis B	2019	2.4922	1.3839	3.8186
Togo	Both	Liver cancer due to hepatitis B	2019	2.3106	1.6363	3.1942
Tokelau	Both	Liver cancer due to hepatitis B	2019	3.7958	2.4957	5.4149
Tonga	Both	Liver cancer due to hepatitis B	2019	13.0539	8.8917	18.4501
Trinidad and Tobago	Both	Liver cancer due to hepatitis B	2019	0.6443	0.4197	0.9512
Tunisia	Both	Liver cancer due to hepatitis B	2019	0.5168	0.3105	0.7979
Turkey	Both	Liver cancer due to hepatitis B	2019	1.2925	0.9364	1.7630
Turkmenistan	Both	Liver cancer due to hepatitis B	2019	1.4512	0.9880	2.0490
Tuvalu	Both	Liver cancer due to hepatitis B	2019	4.4641	3.1014	6.4128
Uganda	Both	Liver cancer due to hepatitis B	2019	1.6342	1.0978	2.3631
Ukraine	Both	Liver cancer due to hepatitis B	2019	0.6848	0.5495	0.8568
United Arab Emirates	Both	Liver cancer due to hepatitis B	2019	1.7264	0.6861	4.1484
United Kingdom	Both	Liver cancer due to hepatitis B	2019	0.7476	0.5679	0.9471
United Republic of Tanzania	Both	Liver cancer due to hepatitis B	2019	0.5685	0.3782	0.8163
United States of America	Both	Liver cancer due to hepatitis B	2019	0.6911	0.5263	0.8947
United States Virgin Islands	Both	Liver cancer due to hepatitis B	2019	0.6637	0.4587	0.9421
Uruguay	Both	Liver cancer due to hepatitis B	2019	0.4349	0.2860	0.6588

Uzbekistan	Both	Liver cancer due to hepatitis B	2019	1.5078	1.0456	2.1279
Vanuatu	Both	Liver cancer due to hepatitis B	2019	4.8550	3.0988	7.2013
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to hepatitis B	2019	0.3436	0.2158	0.5312
Viet Nam	Both	Liver cancer due to hepatitis B	2019	0.9945	0.6790	1.4114
Yemen	Both	Liver cancer due to hepatitis B	2019	0.9564	0.5901	1.4631
Zambia	Both	Liver cancer due to hepatitis B	2019	0.7482	0.5080	1.0698
Zimbabwe	Both	Liver cancer due to hepatitis B	2019	4.5797	3.0104	7.0277

location_id	location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
1	Global	Male	Liver cancer due to hepatitis B	1990	7.4963	6.2044	8.8879
1	Global	Female	Liver cancer due to hepatitis B	1990	1.6700	1.3514	2.0528
1	Global	Both	Liver cancer due to hepatitis B	1990	4.4701	3.8176	5.2233
1	Global	Male	Liver cancer due to hepatitis B	1991	7.7537	6.6264	9.1103
1	Global	Female	Liver cancer due to hepatitis B	1991	1.6835	1.3833	2.0278
1	Global	Both	Liver cancer due to hepatitis B	1991	4.6028	3.9725	5.3039
1	Global	Male	Liver cancer due to hepatitis B	1992	7.9684	6.8562	9.1960
1	Global	Female	Liver cancer due to hepatitis B	1992	1.6963	1.4080	2.0360
1	Global	Both	Liver cancer due to hepatitis B	1992	4.7144	4.1013	5.3498
1	Global	Male	Liver cancer due to hepatitis B	1993	8.1867	7.0759	9.4308
1	Global	Female	Liver cancer due to hepatitis B	1993	1.7080	1.4337	2.0422
1	Global	Both	Liver cancer due to hepatitis B	1993	4.8260	4.2471	5.4764
1	Global	Male	Liver cancer due to hepatitis B	1994	8.3896	7.3566	9.4853
1	Global	Female	Liver cancer due to hepatitis B	1994	1.7246	1.4503	2.0557
1	Global	Both	Liver cancer due to hepatitis B	1994	4.9315	4.3606	5.5240
1	Global	Male	Liver cancer due to hepatitis B	1995	8.5158	7.5461	9.6116
1	Global	Female	Liver cancer due to hepatitis B	1995	1.7234	1.4624	2.0004
1	Global	Both	Liver cancer due to hepatitis B	1995	4.9911	4.4587	5.6217
1	Global	Male	Liver cancer due to hepatitis B	1996	8.5748	7.6580	9.5657
1	Global	Female	Liver cancer due to hepatitis B	1996	1.7120	1.4584	1.9932
1	Global	Both	Liver cancer due to hepatitis B	1996	5.0109	4.5010	5.5521
1	Global	Male	Liver cancer due to hepatitis B	1997	8.5089	7.5878	9.5043
1	Global	Female	Liver cancer due to hepatitis B	1997	1.6812	1.4425	1.9319
1	Global	Both	Liver cancer due to hepatitis B	1997	4.9614	4.4578	5.5009
1	Global	Male	Liver cancer due to hepatitis B	1998	8.4247	7.5287	9.4058
1	Global	Female	Liver cancer due to hepatitis B	1998	1.6482	1.4127	1.9056
1	Global	Both	Liver cancer due to hepatitis B	1998	4.9023	4.4143	5.4515
1	Global	Male	Liver cancer due to hepatitis B	1999	8.2586	7.3666	9.2382
1	Global	Female	Liver cancer due to hepatitis B	1999	1.6090	1.3861	1.8520
1	Global	Both	Liver cancer due to hepatitis B	1999	4.8023	4.3539	5.3285
1	Global	Male	Liver cancer due to hepatitis B	2000	7.8226	6.9295	8.7215
1	Global	Female	Liver cancer due to hepatitis B	2000	1.5183	1.3029	1.7521
1	Global	Both	Liver cancer due to hepatitis B	2000	4.5445	4.0685	5.0296
1	Global	Male	Liver cancer due to hepatitis B	2001	7.0534	6.1955	7.9126
1	Global	Female	Liver cancer due to hepatitis B	2001	1.3757	1.1835	1.5970
1	Global	Both	Liver cancer due to hepatitis B	2001	4.0978	3.6477	4.5590
1	Global	Male	Liver cancer due to hepatitis B	2002	6.0367	5.3658	6.7366
1	Global	Female	Liver cancer due to hepatitis B	2002	1.2276	1.0445	1.4203
1	Global	Both	Liver cancer due to hepatitis B	2002	3.5312	3.1556	3.9310
1	Global	Male	Liver cancer due to hepatitis B	2003	5.2117	4.6752	5.8218
1	Global	Female	Liver cancer due to hepatitis B	2003	1.0988	0.9345	1.2776
1	Global	Both	Liver cancer due to hepatitis B	2003	3.0669	2.7484	3.4364
1	Global	Male	Liver cancer due to hepatitis B	2004	4.6250	4.1209	5.1333
1	Global	Female	Liver cancer due to hepatitis B	2004	1.0032	0.8567	1.1661
1	Global	Both	Liver cancer due to hepatitis B	2004	2.7347	2.4427	3.0397
1	Global	Male	Liver cancer due to hepatitis B	2005	4.3496	3.9111	4.8563
1	Global	Female	Liver cancer due to hepatitis B	2005	0.9553	0.8133	1.1188
1	Global	Both	Liver cancer due to hepatitis B	2005	2.5765	2.3028	2.8720
1	Global	Male	Liver cancer due to hepatitis B	2006	4.2080	3.7743	4.6678
1	Global	Female	Liver cancer due to hepatitis B	2006	0.9314	0.7910	1.0939
1	Global	Both	Liver cancer due to hepatitis B	2006	2.4961	2.2287	2.7647
1	Global	Male	Liver cancer due to hepatitis B	2007	4.1371	3.7160	4.5720
1	Global	Female	Liver cancer due to hepatitis B	2007	0.9075	0.7773	1.0590

1	Global	Both	Liver cancer due to hepatitis B	2007	2.4495	2.1906	2.7174
1	Global	Male	Liver cancer due to hepatitis B	2008	4.1405	3.7413	4.5661
1	Global	Female	Liver cancer due to hepatitis B	2008	0.9018	0.7660	1.0528
1	Global	Both	Liver cancer due to hepatitis B	2008	2.4481	2.2079	2.7017
1	Global	Male	Liver cancer due to hepatitis B	2009	4.0565	3.6416	4.4958
1	Global	Female	Liver cancer due to hepatitis B	2009	0.8804	0.7463	1.0332
1	Global	Both	Liver cancer due to hepatitis B	2009	2.3964	2.1526	2.6800
1	Global	Male	Liver cancer due to hepatitis B	2010	3.9766	3.5631	4.4613
1	Global	Female	Liver cancer due to hepatitis B	2010	0.8640	0.7292	1.0158
1	Global	Both	Liver cancer due to hepatitis B	2010	2.3494	2.0957	2.6387
1	Global	Male	Liver cancer due to hepatitis B	2011	3.8875	3.4585	4.3319
1	Global	Female	Liver cancer due to hepatitis B	2011	0.8438	0.7086	0.9865
1	Global	Both	Liver cancer due to hepatitis B	2011	2.2965	2.0464	2.5610
1	Global	Male	Liver cancer due to hepatitis B	2012	3.8446	3.4207	4.3058
1	Global	Female	Liver cancer due to hepatitis B	2012	0.8204	0.6904	0.9650
1	Global	Both	Liver cancer due to hepatitis B	2012	2.2644	2.0038	2.5394
1	Global	Male	Liver cancer due to hepatitis B	2013	3.8486	3.4035	4.3320
1	Global	Female	Liver cancer due to hepatitis B	2013	0.8120	0.6830	0.9566
1	Global	Both	Liver cancer due to hepatitis B	2013	2.2625	1.9911	2.5389
1	Global	Male	Liver cancer due to hepatitis B	2014	3.8957	3.4322	4.3698
1	Global	Female	Liver cancer due to hepatitis B	2014	0.8105	0.6786	0.9656
1	Global	Both	Liver cancer due to hepatitis B	2014	2.2847	2.0148	2.5667
1	Global	Male	Liver cancer due to hepatitis B	2015	3.9423	3.4474	4.4941
1	Global	Female	Liver cancer due to hepatitis B	2015	0.8114	0.6800	0.9714
1	Global	Both	Liver cancer due to hepatitis B	2015	2.3079	2.0327	2.6191
1	Global	Male	Liver cancer due to hepatitis B	2016	3.9692	3.4439	4.5503
1	Global	Female	Liver cancer due to hepatitis B	2016	0.8112	0.6757	0.9734
1	Global	Both	Liver cancer due to hepatitis B	2016	2.3214	2.0351	2.6475
1	Global	Male	Liver cancer due to hepatitis B	2017	3.9670	3.4358	4.5755
1	Global	Female	Liver cancer due to hepatitis B	2017	0.8073	0.6650	0.9704
1	Global	Both	Liver cancer due to hepatitis B	2017	2.3188	2.0074	2.6613
1	Global	Male	Liver cancer due to hepatitis B	2018	3.9459	3.3249	4.5948
1	Global	Female	Liver cancer due to hepatitis B	2018	0.8033	0.6581	0.9728
1	Global	Both	Liver cancer due to hepatitis B	2018	2.3071	1.9593	2.6805
1	Global	Male	Liver cancer due to hepatitis B	2019	3.9483	3.3025	4.6660
1	Global	Female	Liver cancer due to hepatitis B	2019	0.7993	0.6478	0.9741
1	Global	Both	Liver cancer due to hepatitis B	2019	2.3060	1.9452	2.6896



location_id	location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
44635	High SDI	Both	Liver cancer due to hepatitis B	1990	1.0805	0.9391	1.2475
44635	High SDI	Both	Liver cancer due to hepatitis B	1991	1.0900	0.9552	1.2573
44635	High SDI	Both	Liver cancer due to hepatitis B	1992	1.1052	0.9693	1.2660
44635	High SDI	Both	Liver cancer due to hepatitis B	1993	1.1209	0.9834	1.2811
44635	High SDI	Both	Liver cancer due to hepatitis B	1994	1.1466	1.0026	1.3067
44635	High SDI	Both	Liver cancer due to hepatitis B	1995	1.1801	1.0346	1.3402
44635	High SDI	Both	Liver cancer due to hepatitis B	1996	1.2330	1.0804	1.4011
44635	High SDI	Both	Liver cancer due to hepatitis B	1997	1.3074	1.1498	1.4804
44635	High SDI	Both	Liver cancer due to hepatitis B	1998	1.4339	1.2610	1.6139
44635	High SDI	Both	Liver cancer due to hepatitis B	1999	1.5347	1.3461	1.7341
44635	High SDI	Both	Liver cancer due to hepatitis B	2000	1.5990	1.4026	1.8020
44635	High SDI	Both	Liver cancer due to hepatitis B	2001	1.6065	1.4052	1.8111
44635	High SDI	Both	Liver cancer due to hepatitis B	2002	1.5697	1.3679	1.7753
44635	High SDI	Both	Liver cancer due to hepatitis B	2003	1.5671	1.3711	1.7777
44635	High SDI	Both	Liver cancer due to hepatitis B	2004	1.5362	1.3454	1.7442
44635	High SDI	Both	Liver cancer due to hepatitis B	2005	1.5009	1.3105	1.7065
44635	High SDI	Both	Liver cancer due to hepatitis B	2006	1.4645	1.2769	1.6676
44635	High SDI	Both	Liver cancer due to hepatitis B	2007	1.4313	1.2400	1.6302
44635	High SDI	Both	Liver cancer due to hepatitis B	2008	1.3942	1.2095	1.5909
44635	High SDI	Both	Liver cancer due to hepatitis B	2009	1.3587	1.1798	1.5552
44635	High SDI	Both	Liver cancer due to hepatitis B	2010	1.3284	1.1505	1.5236
44635	High SDI	Both	Liver cancer due to hepatitis B	2011	1.2981	1.1208	1.4958
44635	High SDI	Both	Liver cancer due to hepatitis B	2012	1.2686	1.0945	1.4613
44635	High SDI	Both	Liver cancer due to hepatitis B	2013	1.2424	1.0665	1.4305
44635	High SDI	Both	Liver cancer due to hepatitis B	2014	1.2235	1.0474	1.4103
44635	High SDI	Both	Liver cancer due to hepatitis B	2015	1.2110	1.0386	1.3989
44635	High SDI	Both	Liver cancer due to hepatitis B	2016	1.2038	1.0321	1.3969
44635	High SDI	Both	Liver cancer due to hepatitis B	2017	1.2049	1.0283	1.4019
44635	High SDI	Both	Liver cancer due to hepatitis B	2018	1.2124	1.0271	1.4198
44635	High SDI	Both	Liver cancer due to hepatitis B	2019	1.2248	1.0308	1.4368
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1990	5.3381	4.4362	6.3266
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1991	5.5693	4.7089	6.5453
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1992	5.7500	4.9485	6.6813
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1993	5.8972	5.0839	6.8242
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1994	6.0345	5.2536	6.8333
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1995	6.1121	5.3911	6.9393
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1996	6.1378	5.4284	6.9221
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1997	6.0820	5.3769	6.8183
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1998	5.9789	5.2908	6.7077
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	1999	5.7972	5.1560	6.4727
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2000	5.4251	4.7919	6.1241
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2001	4.7661	4.1716	5.3755
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2002	3.9347	3.4924	4.4313
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2003	3.2384	2.8925	3.6437
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2004	2.7627	2.4433	3.0676
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2005	2.5612	2.2892	2.8612
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2006	2.4675	2.1968	2.7577
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2007	2.4115	2.1502	2.6557
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2008	2.4263	2.1780	2.6891
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2009	2.3337	2.0783	2.6230
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2010	2.2278	1.9796	2.5006
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2011	2.1068	1.8585	2.3790
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2012	2.0280	1.7860	2.2884
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2013	1.9924	1.7380	2.2604
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2014	2.0098	1.7465	2.2904
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2015	2.0302	1.7709	2.3140

44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2016	2.0521	1.7657	2.3796
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2017	2.0603	1.7411	2.3846
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2018	2.0652	1.7242	2.4224
44634	High-middle SDI	Both	Liver cancer due to hepatitis B	2019	2.0842	1.7228	2.5063
44637	Low SDI	Both	Liver cancer due to hepatitis B	1990	1.5517	1.2415	1.9043
44637	Low SDI	Both	Liver cancer due to hepatitis B	1991	1.5664	1.2436	1.9209
44637	Low SDI	Both	Liver cancer due to hepatitis B	1992	1.5827	1.2651	1.9314
44637	Low SDI	Both	Liver cancer due to hepatitis B	1993	1.5976	1.2711	1.9484
44637	Low SDI	Both	Liver cancer due to hepatitis B	1994	1.6097	1.2875	1.9518
44637	Low SDI	Both	Liver cancer due to hepatitis B	1995	1.6186	1.2999	1.9609
44637	Low SDI	Both	Liver cancer due to hepatitis B	1996	1.6219	1.3060	1.9629
44637	Low SDI	Both	Liver cancer due to hepatitis B	1997	1.6202	1.3048	1.9686
44637	Low SDI	Both	Liver cancer due to hepatitis B	1998	1.6052	1.2969	1.9453
44637	Low SDI	Both	Liver cancer due to hepatitis B	1999	1.5860	1.2780	1.9286
44637	Low SDI	Both	Liver cancer due to hepatitis B	2000	1.5699	1.2720	1.9073
44637	Low SDI	Both	Liver cancer due to hepatitis B	2001	1.5563	1.2623	1.8758
44637	Low SDI	Both	Liver cancer due to hepatitis B	2002	1.5440	1.2492	1.8718
44637	Low SDI	Both	Liver cancer due to hepatitis B	2003	1.5405	1.2509	1.8657
44637	Low SDI	Both	Liver cancer due to hepatitis B	2004	1.5301	1.2540	1.8522
44637	Low SDI	Both	Liver cancer due to hepatitis B	2005	1.5198	1.2316	1.8226
44637	Low SDI	Both	Liver cancer due to hepatitis B	2006	1.4971	1.2200	1.8069
44637	Low SDI	Both	Liver cancer due to hepatitis B	2007	1.4858	1.2099	1.7849
44637	Low SDI	Both	Liver cancer due to hepatitis B	2008	1.4683	1.1840	1.7632
44637	Low SDI	Both	Liver cancer due to hepatitis B	2009	1.4539	1.1753	1.7502
44637	Low SDI	Both	Liver cancer due to hepatitis B	2010	1.4450	1.1662	1.7430
44637	Low SDI	Both	Liver cancer due to hepatitis B	2011	1.4275	1.1593	1.7205
44637	Low SDI	Both	Liver cancer due to hepatitis B	2012	1.4081	1.1469	1.7097
44637	Low SDI	Both	Liver cancer due to hepatitis B	2013	1.3992	1.1384	1.7063
44637	Low SDI	Both	Liver cancer due to hepatitis B	2014	1.3758	1.1098	1.6723
44637	Low SDI	Both	Liver cancer due to hepatitis B	2015	1.3669	1.1018	1.6632
44637	Low SDI	Both	Liver cancer due to hepatitis B	2016	1.3448	1.0764	1.6492
44637	Low SDI	Both	Liver cancer due to hepatitis B	2017	1.3271	1.0497	1.6309
44637	Low SDI	Both	Liver cancer due to hepatitis B	2018	1.3175	1.0429	1.6237
44637	Low SDI	Both	Liver cancer due to hepatitis B	2019	1.3039	1.0273	1.6175
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1990	2.6405	2.2663	3.0413
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1991	2.7131	2.3668	3.1161
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1992	2.7779	2.3918	3.1988
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1993	2.8455	2.4596	3.2854
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1994	2.8956	2.5009	3.2909
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1995	2.9109	2.5390	3.3512
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1996	2.9082	2.5175	3.3344
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1997	2.8832	2.5193	3.2888
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1998	2.8106	2.4656	3.1993
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	1999	2.7240	2.3693	3.0934
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2000	2.6000	2.2478	2.9760
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2001	2.4197	2.0927	2.7400
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2002	2.2048	1.9084	2.5107
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2003	1.9839	1.7229	2.2671
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2004	1.8166	1.5720	2.0795
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2005	1.7467	1.5077	2.0058
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2006	1.7084	1.4745	1.9554
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2007	1.6734	1.4428	1.9158
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2008	1.6686	1.4547	1.9007
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2009	1.6341	1.4226	1.8614
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2010	1.6191	1.4079	1.8405
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2011	1.6020	1.3844	1.8218
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2012	1.5840	1.3877	1.8057
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2013	1.5913	1.3845	1.8117
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2014	1.6076	1.4084	1.8328

44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2015	1.6407	1.4324	1.8764
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2016	1.6456	1.4309	1.8918
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2017	1.6398	1.4180	1.8985
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2018	1.6303	1.3904	1.8890
44636	Low-middle SDI	Both	Liver cancer due to hepatitis B	2019	1.6166	1.3848	1.8798
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1990	8.4671	7.1111	10.0926
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1991	8.6407	7.3892	10.1623
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1992	8.7827	7.5481	10.1043
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1993	8.9534	7.8304	10.3022
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1994	9.1106	7.9968	10.2800
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1995	9.1777	8.1619	10.3793
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1996	9.1539	8.1747	10.2153
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1997	8.9574	8.0071	9.9418
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1998	8.7556	7.8512	9.7527
44639	Middle SDI	Both	Liver cancer due to hepatitis B	1999	8.5099	7.6759	9.5043
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2000	7.9468	7.0839	8.8386
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2001	7.0577	6.2147	7.9146
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2002	5.9638	5.3021	6.6851
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2003	5.0814	4.5349	5.7078
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2004	4.4593	3.9560	4.9652
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2005	4.1531	3.7070	4.6245
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2006	4.0006	3.5522	4.4128
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2007	3.9237	3.5265	4.3461
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2008	3.9283	3.5525	4.3454
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2009	3.8701	3.4576	4.3183
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2010	3.8208	3.4071	4.2957
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2011	3.7638	3.3319	4.2114
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2012	3.7405	3.3054	4.2000
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2013	3.7657	3.2953	4.2773
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2014	3.8204	3.3419	4.3293
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2015	3.8588	3.3652	4.3946
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2016	3.8781	3.3534	4.4451
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2017	3.8600	3.3228	4.4888
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2018	3.8119	3.1645	4.4559
44639	Middle SDI	Both	Liver cancer due to hepatitis B	2019	3.7868	3.1550	4.5374

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to hepatitis B	2019	3.6007	2.5105	4.9626
Albania	Both	Liver cancer due to hepatitis B	2019	1.6403	1.0440	2.4364
Algeria	Both	Liver cancer due to hepatitis B	2019	0.6836	0.4634	0.9637
American Samoa	Both	Liver cancer due to hepatitis B	2019	3.5825	2.7297	4.6501
Andorra	Both	Liver cancer due to hepatitis B	2019	1.1224	0.6969	1.7461
Angola	Both	Liver cancer due to hepatitis B	2019	0.5451	0.3667	0.7866
Antigua and Barbuda	Both	Liver cancer due to hepatitis B	2019	0.6866	0.4815	0.9724
Argentina	Both	Liver cancer due to hepatitis B	2019	0.3534	0.2449	0.5007
Armenia	Both	Liver cancer due to hepatitis B	2019	1.3999	0.9403	2.0304
Australia	Both	Liver cancer due to hepatitis B	2019	0.5537	0.3820	0.7903
Austria	Both	Liver cancer due to hepatitis B	2019	0.3057	0.1990	0.4585
Azerbaijan	Both	Liver cancer due to hepatitis B	2019	0.9360	0.6154	1.3944
Bahamas	Both	Liver cancer due to hepatitis B	2019	0.8744	0.6162	1.2082
Bahrain	Both	Liver cancer due to hepatitis B	2019	1.4003	0.9523	2.0216
Bangladesh	Both	Liver cancer due to hepatitis B	2019	0.5626	0.3882	0.8152
Barbados	Both	Liver cancer due to hepatitis B	2019	0.6035	0.4260	0.8566
Belarus	Both	Liver cancer due to hepatitis B	2019	0.4743	0.2916	0.7377
Belgium	Both	Liver cancer due to hepatitis B	2019	0.4702	0.3194	0.6673
Belize	Both	Liver cancer due to hepatitis B	2019	0.8288	0.5965	1.1352
Benin	Both	Liver cancer due to hepatitis B	2019	2.2231	1.5343	3.0785
Bermuda	Both	Liver cancer due to hepatitis B	2019	0.4856	0.3312	0.6931
Bhutan	Both	Liver cancer due to hepatitis B	2019	0.7536	0.4353	1.1732
Bolivia (Plurinational State of)	Both	Liver cancer due to hepatitis B	2019	2.0796	1.4264	2.8652
Bosnia and Herzegovina	Both	Liver cancer due to hepatitis B	2019	1.6920	1.1194	2.5395
Botswana	Both	Liver cancer due to hepatitis B	2019	0.5111	0.3337	0.7477
Brazil	Both	Liver cancer due to hepatitis B	2019	0.4159	0.3506	0.4865
Brunei Darussalam	Both	Liver cancer due to hepatitis B	2019	4.9069	3.6709	6.4025
Bulgaria	Both	Liver cancer due to hepatitis B	2019	0.9964	0.6696	1.4708
Burkina Faso	Both	Liver cancer due to hepatitis B	2019	0.8665	0.6012	1.1924
Burundi	Both	Liver cancer due to hepatitis B	2019	0.7918	0.4592	1.3329
Cabo Verde	Both	Liver cancer due to hepatitis B	2019	5.3647	4.0416	6.9798
Cambodia	Both	Liver cancer due to hepatitis B	2019	2.9464	2.0532	4.1372
Cameroon	Both	Liver cancer due to hepatitis B	2019	0.3100	0.2100	0.4375
Canada	Both	Liver cancer due to hepatitis B	2019	0.2693	0.1817	0.3953
Central African Republic	Both	Liver cancer due to hepatitis B	2019	0.8200	0.4689	1.3516
Chad	Both	Liver cancer due to hepatitis B	2019	2.7604	1.9289	3.7871
Chile	Both	Liver cancer due to hepatitis B	2019	0.4771	0.3269	0.6929
China	Both	Liver cancer due to hepatitis B	2019	5.7589	4.6835	7.0230
Colombia	Both	Liver cancer due to hepatitis B	2019	0.4386	0.2765	0.6618
Comoros	Both	Liver cancer due to hepatitis B	2019	0.8403	0.4853	1.4395
Congo	Both	Liver cancer due to hepatitis B	2019	0.6565	0.4176	0.9968
Cook Islands	Both	Liver cancer due to hepatitis B	2019	5.1751	3.8241	6.8641
Costa Rica	Both	Liver cancer due to hepatitis B	2019	0.7442	0.4730	1.1409
Côte d'Ivoire	Both	Liver cancer due to hepatitis B	2019	2.2835	1.5459	3.2657
Croatia	Both	Liver cancer due to hepatitis B	2019	0.7404	0.4876	1.1081
Cuba	Both	Liver cancer due to hepatitis B	2019	0.5759	0.3905	0.8271
Cyprus	Both	Liver cancer due to hepatitis B	2019	0.3898	0.2615	0.5691
Czechia	Both	Liver cancer due to hepatitis B	2019	0.5436	0.3631	0.7987
Democratic People's Republic of Korea	Both	Liver cancer due to hepatitis B	2019	5.8371	4.0774	8.1026
Democratic Republic of the Congo	Both	Liver cancer due to hepatitis B	2019	0.4931	0.3173	0.7586
Denmark	Both	Liver cancer due to hepatitis B	2019	0.4525	0.3031	0.6525
Djibouti	Both	Liver cancer due to hepatitis B	2019	0.9842	0.5534	1.7372
Dominica	Both	Liver cancer due to hepatitis B	2019	0.8396	0.5643	1.1944
Dominican Republic	Both	Liver cancer due to hepatitis B	2019	1.2993	0.7689	2.1486
Ecuador	Both	Liver cancer due to hepatitis B	2019	1.4884	1.0450	2.0328
Egypt	Both	Liver cancer due to hepatitis B	2019	2.4064	1.4576	3.8866
El Salvador	Both	Liver cancer due to hepatitis B	2019	0.3082	0.1909	0.4728
Equatorial Guinea	Both	Liver cancer due to hepatitis B	2019	0.7679	0.4063	1.2542
Eritrea	Both	Liver cancer due to hepatitis B	2019	0.8685	0.5229	1.3688
Estonia	Both	Liver cancer due to hepatitis B	2019	0.6728	0.4302	0.9933

Eswatini	Both	Liver cancer due to hepatitis B	2019	7.4317	1.8236	14.1214
Ethiopia	Both	Liver cancer due to hepatitis B	2019	0.6013	0.4405	0.8123
Fiji	Both	Liver cancer due to hepatitis B	2019	2.9439	2.1022	4.0676
Finland	Both	Liver cancer due to hepatitis B	2019	0.5088	0.3459	0.7349
France	Both	Liver cancer due to hepatitis B	2019	0.7598	0.4988	1.1121
Gabon	Both	Liver cancer due to hepatitis B	2019	0.6795	0.3974	1.1014
Gambia	Both	Liver cancer due to hepatitis B	2019	20.3397	14.2557	28.3260
Georgia	Both	Liver cancer due to hepatitis B	2019	0.8677	0.5973	1.2471
Germany	Both	Liver cancer due to hepatitis B	2019	0.4019	0.2720	0.5877
Ghana	Both	Liver cancer due to hepatitis B	2019	2.8272	1.9924	3.8570
Greece	Both	Liver cancer due to hepatitis B	2019	1.1311	0.8455	1.4805
Greenland	Both	Liver cancer due to hepatitis B	2019	0.7606	0.4693	1.1540
Grenada	Both	Liver cancer due to hepatitis B	2019	0.7420	0.5229	1.0249
Guam	Both	Liver cancer due to hepatitis B	2019	3.3297	2.5391	4.2394
Guatemala	Both	Liver cancer due to hepatitis B	2019	0.7421	0.4764	1.1038
Guinea	Both	Liver cancer due to hepatitis B	2019	17.4871	11.5950	23.8307
Guinea-Bissau	Both	Liver cancer due to hepatitis B	2019	2.9114	1.9915	4.0967
Guyana	Both	Liver cancer due to hepatitis B	2019	0.8235	0.5504	1.1766
Haiti	Both	Liver cancer due to hepatitis B	2019	1.2198	0.6771	2.0801
Honduras	Both	Liver cancer due to hepatitis B	2019	2.5326	0.9781	4.3729
Hungary	Both	Liver cancer due to hepatitis B	2019	0.5759	0.3939	0.8329
Iceland	Both	Liver cancer due to hepatitis B	2019	0.4215	0.2921	0.6101
India	Both	Liver cancer due to hepatitis B	2019	0.9139	0.7366	1.1246
Indonesia	Both	Liver cancer due to hepatitis B	2019	0.4339	0.3365	0.5334
Iran (Islamic Republic of)	Both	Liver cancer due to hepatitis B	2019	1.3236	1.1349	1.5469
Iraq	Both	Liver cancer due to hepatitis B	2019	1.9716	1.3439	2.7604
Ireland	Both	Liver cancer due to hepatitis B	2019	0.4110	0.2767	0.6047
Israel	Both	Liver cancer due to hepatitis B	2019	0.4092	0.2793	0.5893
Italy	Both	Liver cancer due to hepatitis B	2019	0.5249	0.4329	0.6370
Jamaica	Both	Liver cancer due to hepatitis B	2019	0.7097	0.4801	0.9970
Japan	Both	Liver cancer due to hepatitis B	2019	1.0459	0.8877	1.2447
Jordan	Both	Liver cancer due to hepatitis B	2019	0.7656	0.5332	1.0791
Kazakhstan	Both	Liver cancer due to hepatitis B	2019	1.3998	0.9636	1.9781
Kenya	Both	Liver cancer due to hepatitis B	2019	0.8132	0.5187	1.2033
Kiribati	Both	Liver cancer due to hepatitis B	2019	5.9697	4.3008	8.0213
Kuwait	Both	Liver cancer due to hepatitis B	2019	0.7331	0.4818	1.0712
Kyrgyzstan	Both	Liver cancer due to hepatitis B	2019	0.5418	0.3775	0.7667
Lao People's Democratic Republic	Both	Liver cancer due to hepatitis B	2019	2.6426	1.7878	3.7048
Latvia	Both	Liver cancer due to hepatitis B	2019	0.5316	0.3593	0.7670
Lebanon	Both	Liver cancer due to hepatitis B	2019	1.4468	1.0011	2.0632
Lesotho	Both	Liver cancer due to hepatitis B	2019	5.6210	1.9492	9.4995
Liberia	Both	Liver cancer due to hepatitis B	2019	2.3815	1.5729	3.6525
Libya	Both	Liver cancer due to hepatitis B	2019	1.7070	1.1360	2.4971
Lithuania	Both	Liver cancer due to hepatitis B	2019	0.6064	0.4030	0.8987
Luxembourg	Both	Liver cancer due to hepatitis B	2019	0.4143	0.2625	0.6266
Madagascar	Both	Liver cancer due to hepatitis B	2019	0.7383	0.4283	1.2500
Malawi	Both	Liver cancer due to hepatitis B	2019	0.7532	0.5032	1.0975
Malaysia	Both	Liver cancer due to hepatitis B	2019	3.3610	2.3909	4.4428
Maldives	Both	Liver cancer due to hepatitis B	2019	2.0778	1.4506	2.8406
Mali	Both	Liver cancer due to hepatitis B	2019	5.4300	3.4734	7.8391
Malta	Both	Liver cancer due to hepatitis B	2019	0.2875	0.1946	0.4172
Marshall Islands	Both	Liver cancer due to hepatitis B	2019	5.3779	3.5836	7.8809
Mauritania	Both	Liver cancer due to hepatitis B	2019	2.0225	1.3865	2.8292
Mauritius	Both	Liver cancer due to hepatitis B	2019	0.6449	0.4277	0.9255
Mexico	Both	Liver cancer due to hepatitis B	2019	0.4006	0.3156	0.5042
Micronesia (Federated States of)	Both	Liver cancer due to hepatitis B	2019	5.3105	3.2912	7.7170
Monaco	Both	Liver cancer due to hepatitis B	2019	1.0203	0.6598	1.5003
Mongolia	Both	Liver cancer due to hepatitis B	2019	28.2283	18.9245	40.8350
Montenegro	Both	Liver cancer due to hepatitis B	2019	1.2775	0.8545	1.8400
Morocco	Both	Liver cancer due to hepatitis B	2019	0.7439	0.4912	1.0627
Mozambique	Both	Liver cancer due to hepatitis B	2019	1.4883	0.9450	2.1475
Myanmar	Both	Liver cancer due to hepatitis B	2019	1.3531	0.9547	1.8794
Namibia	Both	Liver cancer due to hepatitis B	2019	1.0774	0.7193	1.5501

Nauru	Both	Liver cancer due to hepatitis B	2019	4.6017	3.0937	6.5818
Nepal	Both	Liver cancer due to hepatitis B	2019	0.4884	0.3016	0.7789
Netherlands	Both	Liver cancer due to hepatitis B	2019	0.3413	0.2397	0.4802
New Zealand	Both	Liver cancer due to hepatitis B	2019	0.6090	0.5090	0.7344
Nicaragua	Both	Liver cancer due to hepatitis B	2019	0.5470	0.3551	0.8090
Niger	Both	Liver cancer due to hepatitis B	2019	0.3129	0.2140	0.4302
Nigeria	Both	Liver cancer due to hepatitis B	2019	1.3048	0.9933	1.6982
Niue	Both	Liver cancer due to hepatitis B	2019	3.5354	2.5218	4.8357
North Macedonia	Both	Liver cancer due to hepatitis B	2019	1.9676	1.2997	2.8988
Northern Mariana Islands	Both	Liver cancer due to hepatitis B	2019	4.2620	3.2106	5.5421
Norway	Both	Liver cancer due to hepatitis B	2019	0.3340	0.2692	0.4136
Oman	Both	Liver cancer due to hepatitis B	2019	1.5966	1.1331	2.2440
Pakistan	Both	Liver cancer due to hepatitis B	2019	0.5060	0.3862	0.6555
Palau	Both	Liver cancer due to hepatitis B	2019	5.5487	4.0199	7.4468
Palestine	Both	Liver cancer due to hepatitis B	2019	2.0158	1.4591	2.7487
Panama	Both	Liver cancer due to hepatitis B	2019	0.4395	0.2789	0.6615
Papua New Guinea	Both	Liver cancer due to hepatitis B	2019	0.7246	0.4986	0.9973
Paraguay	Both	Liver cancer due to hepatitis B	2019	0.3630	0.2251	0.5564
Peru	Both	Liver cancer due to hepatitis B	2019	1.0963	0.7393	1.5768
Philippines	Both	Liver cancer due to hepatitis B	2019	2.6892	2.0970	3.3694
Poland	Both	Liver cancer due to hepatitis B	2019	0.3873	0.3067	0.4961
Portugal	Both	Liver cancer due to hepatitis B	2019	0.6294	0.4315	0.9090
Puerto Rico	Both	Liver cancer due to hepatitis B	2019	0.6719	0.4268	0.9865
Qatar	Both	Liver cancer due to hepatitis B	2019	4.3643	2.7078	6.7302
Republic of Korea	Both	Liver cancer due to hepatitis B	2019	8.7625	7.1922	10.4183
Republic of Moldova	Both	Liver cancer due to hepatitis B	2019	0.4241	0.2914	0.6113
Romania	Both	Liver cancer due to hepatitis B	2019	0.6294	0.4276	0.9023
Russian Federation	Both	Liver cancer due to hepatitis B	2019	0.6785	0.5258	0.8765
Rwanda	Both	Liver cancer due to hepatitis B	2019	1.1276	0.7372	1.6238
Saint Kitts and Nevis	Both	Liver cancer due to hepatitis B	2019	1.0096	0.6848	1.4285
Saint Lucia	Both	Liver cancer due to hepatitis B	2019	0.5473	0.3844	0.7615
Saint Vincent and the Grenadines	Both	Liver cancer due to hepatitis B	2019	0.8082	0.5818	1.0888
Samoa	Both	Liver cancer due to hepatitis B	2019	2.6600	1.9314	3.5920
San Marino	Both	Liver cancer due to hepatitis B	2019	0.3484	0.1919	0.5832
Sao Tome and Principe	Both	Liver cancer due to hepatitis B	2019	1.2360	0.7759	1.7469
Saudi Arabia	Both	Liver cancer due to hepatitis B	2019	1.5422	1.0102	2.2457
Senegal	Both	Liver cancer due to hepatitis B	2019	1.2259	0.8705	1.6242
Serbia	Both	Liver cancer due to hepatitis B	2019	1.0393	0.6681	1.5642
Seychelles	Both	Liver cancer due to hepatitis B	2019	2.0264	1.4784	2.7145
Sierra Leone	Both	Liver cancer due to hepatitis B	2019	2.2097	1.5233	3.1407
Singapore	Both	Liver cancer due to hepatitis B	2019	4.6549	3.6230	5.7084
Slovakia	Both	Liver cancer due to hepatitis B	2019	0.6648	0.4247	0.9867
Slovenia	Both	Liver cancer due to hepatitis B	2019	1.1290	0.7132	1.6966
Solomon Islands	Both	Liver cancer due to hepatitis B	2019	2.7346	2.0536	3.5738
Somalia	Both	Liver cancer due to hepatitis B	2019	1.1335	0.6657	2.1186
South Africa	Both	Liver cancer due to hepatitis B	2019	1.9369	1.6301	2.2895
South Sudan	Both	Liver cancer due to hepatitis B	2019	0.8891	0.4623	1.6886
Spain	Both	Liver cancer due to hepatitis B	2019	0.5560	0.3727	0.8094
Sri Lanka	Both	Liver cancer due to hepatitis B	2019	0.9792	0.6413	1.4448
Sudan	Both	Liver cancer due to hepatitis B	2019	1.2678	0.7108	2.0664
Suriname	Both	Liver cancer due to hepatitis B	2019	0.7093	0.4901	1.0047
Sweden	Both	Liver cancer due to hepatitis B	2019	0.1836	0.1402	0.2364
Switzerland	Both	Liver cancer due to hepatitis B	2019	0.5898	0.3929	0.8514
Syrian Arab Republic	Both	Liver cancer due to hepatitis B	2019	1.3963	0.9241	2.0380
Taiwan (Province of China)	Both	Liver cancer due to hepatitis B	2019	3.0790	2.2170	4.1693
Tajikistan	Both	Liver cancer due to hepatitis B	2019	0.6257	0.4180	0.8933
Thailand	Both	Liver cancer due to hepatitis B	2019	9.5006	6.4973	13.4674
Timor-Leste	Both	Liver cancer due to hepatitis B	2019	2.5450	1.4174	3.9152
Togo	Both	Liver cancer due to hepatitis B	2019	2.3597	1.6848	3.2473
Tokelau	Both	Liver cancer due to hepatitis B	2019	3.7363	2.4307	5.3315
Tonga	Both	Liver cancer due to hepatitis B	2019	12.8745	8.7211	18.0481
Trinidad and Tobago	Both	Liver cancer due to hepatitis B	2019	0.6479	0.4198	0.9593
Tunisia	Both	Liver cancer due to hepatitis B	2019	0.4752	0.2860	0.7375

Turkey	Both	Liver cancer due to hepatitis B	2019	1.1982	0.8626	1.6339
Turkmenistan	Both	Liver cancer due to hepatitis B	2019	1.3963	0.9409	1.9942
Tuvalu	Both	Liver cancer due to hepatitis B	2019	4.4265	3.0809	6.3214
Uganda	Both	Liver cancer due to hepatitis B	2019	1.6311	1.0983	2.3505
Ukraine	Both	Liver cancer due to hepatitis B	2019	0.6436	0.5060	0.8075
United Arab Emirates	Both	Liver cancer due to hepatitis B	2019	1.7195	0.6766	4.2012
United Kingdom	Both	Liver cancer due to hepatitis B	2019	0.5309	0.4420	0.6335
United Republic of Tanzania	Both	Liver cancer due to hepatitis B	2019	0.5848	0.3883	0.8409
United States of America	Both	Liver cancer due to hepatitis B	2019	0.5289	0.4305	0.6496
United States Virgin Islands	Both	Liver cancer due to hepatitis B	2019	0.6589	0.4539	0.9317
Uruguay	Both	Liver cancer due to hepatitis B	2019	0.4243	0.2945	0.5937
Uzbekistan	Both	Liver cancer due to hepatitis B	2019	1.5048	1.0403	2.1093
Vanuatu	Both	Liver cancer due to hepatitis B	2019	4.8560	3.1491	7.2128
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to hepatitis B	2019	0.3445	0.2156	0.5298
Viet Nam	Both	Liver cancer due to hepatitis B	2019	1.0032	0.6782	1.4232
Yemen	Both	Liver cancer due to hepatitis B	2019	0.9783	0.6066	1.5083
Zambia	Both	Liver cancer due to hepatitis B	2019	0.7704	0.5222	1.0978
Zimbabwe	Both	Liver cancer due to hepatitis B	2019	4.4920	2.9614	6.8657

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to hepatitis C	1990	2.4127	2.0836	2.7541
Global	Female	Liver cancer due to hepatitis C	1990	1.9852	1.7034	2.3068
Global	Both	Liver cancer due to hepatitis C	1990	2.1875	1.8987	2.4853
Global	Male	Liver cancer due to hepatitis C	1991	2.5363	2.2176	2.8655
Global	Female	Liver cancer due to hepatitis C	1991	2.0336	1.7673	2.3282
Global	Both	Liver cancer due to hepatitis C	1991	2.2698	1.9880	2.5597
Global	Male	Liver cancer due to hepatitis C	1992	2.6480	2.3186	2.9759
Global	Female	Liver cancer due to hepatitis C	1992	2.0754	1.8231	2.3567
Global	Both	Liver cancer due to hepatitis C	1992	2.3432	2.0664	2.6254
Global	Male	Liver cancer due to hepatitis C	1993	2.7437	2.4150	3.0849
Global	Female	Liver cancer due to hepatitis C	1993	2.1108	1.8576	2.3819
Global	Both	Liver cancer due to hepatitis C	1993	2.4060	2.1304	2.6767
Global	Male	Liver cancer due to hepatitis C	1994	2.8214	2.4894	3.1682
Global	Female	Liver cancer due to hepatitis C	1994	2.1392	1.8965	2.4140
Global	Both	Liver cancer due to hepatitis C	1994	2.4568	2.1835	2.7239
Global	Male	Liver cancer due to hepatitis C	1995	2.8798	2.5392	3.2281
Global	Female	Liver cancer due to hepatitis C	1995	2.1604	1.9118	2.4311
Global	Both	Liver cancer due to hepatitis C	1995	2.4948	2.2172	2.7679
Global	Male	Liver cancer due to hepatitis C	1996	2.9201	2.5792	3.2641
Global	Female	Liver cancer due to hepatitis C	1996	2.1714	1.9303	2.4292
Global	Both	Liver cancer due to hepatitis C	1996	2.5189	2.2427	2.7827
Global	Male	Liver cancer due to hepatitis C	1997	2.9463	2.6119	3.2829
Global	Female	Liver cancer due to hepatitis C	1997	2.1697	1.9350	2.4075
Global	Both	Liver cancer due to hepatitis C	1997	2.5296	2.2583	2.7868
Global	Male	Liver cancer due to hepatitis C	1998	2.9561	2.6218	3.2920
Global	Female	Liver cancer due to hepatitis C	1998	2.1568	1.9243	2.3920
Global	Both	Liver cancer due to hepatitis C	1998	2.5268	2.2586	2.7796
Global	Male	Liver cancer due to hepatitis C	1999	2.9502	2.6181	3.2882
Global	Female	Liver cancer due to hepatitis C	1999	2.1331	1.9042	2.3676
Global	Both	Liver cancer due to hepatitis C	1999	2.5110	2.2498	2.7638
Global	Male	Liver cancer due to hepatitis C	2000	2.9327	2.5983	3.2819
Global	Female	Liver cancer due to hepatitis C	2000	2.1001	1.8744	2.3269
Global	Both	Liver cancer due to hepatitis C	2000	2.4846	2.2174	2.7431
Global	Male	Liver cancer due to hepatitis C	2001	2.8783	2.5582	3.2073
Global	Female	Liver cancer due to hepatitis C	2001	2.0400	1.8264	2.2469
Global	Both	Liver cancer due to hepatitis C	2001	2.4263	2.1718	2.6718
Global	Male	Liver cancer due to hepatitis C	2002	2.7823	2.4732	3.0893
Global	Female	Liver cancer due to hepatitis C	2002	1.9489	1.7376	2.1425
Global	Both	Liver cancer due to hepatitis C	2002	2.3318	2.0841	2.5577
Global	Male	Liver cancer due to hepatitis C	2003	2.6697	2.3856	2.9724
Global	Female	Liver cancer due to hepatitis C	2003	1.8493	1.6390	2.0359
Global	Both	Liver cancer due to hepatitis C	2003	2.2252	1.9831	2.4471
Global	Male	Liver cancer due to hepatitis C	2004	2.5692	2.2950	2.8554
Global	Female	Liver cancer due to hepatitis C	2004	1.7638	1.5592	1.9460
Global	Both	Liver cancer due to hepatitis C	2004	2.1321	1.8962	2.3518
Global	Male	Liver cancer due to hepatitis C	2005	2.5143	2.2415	2.8001
Global	Female	Liver cancer due to hepatitis C	2005	1.7186	1.5094	1.9024
Global	Both	Liver cancer due to hepatitis C	2005	2.0820	1.8528	2.3036



Global	Male	Liver cancer due to hepatitis C	2006	2.4903	2.2185	2.7731
Global	Female	Liver cancer due to hepatitis C	2006	1.7032	1.5012	1.8851
Global	Both	Liver cancer due to hepatitis C	2006	2.0626	1.8363	2.2871
Global	Male	Liver cancer due to hepatitis C	2007	2.4695	2.1964	2.7550
Global	Female	Liver cancer due to hepatitis C	2007	1.6922	1.4922	1.8733
Global	Both	Liver cancer due to hepatitis C	2007	2.0472	1.8203	2.2748
Global	Male	Liver cancer due to hepatitis C	2008	2.4490	2.1693	2.7405
Global	Female	Liver cancer due to hepatitis C	2008	1.6829	1.4809	1.8710
Global	Both	Liver cancer due to hepatitis C	2008	2.0329	1.7998	2.2617
Global	Male	Liver cancer due to hepatitis C	2009	2.4283	2.1462	2.7286
Global	Female	Liver cancer due to hepatitis C	2009	1.6734	1.4693	1.8625
Global	Both	Liver cancer due to hepatitis C	2009	2.0181	1.7794	2.2451
Global	Male	Liver cancer due to hepatitis C	2010	2.4086	2.1221	2.7154
Global	Female	Liver cancer due to hepatitis C	2010	1.6619	1.4539	1.8498
Global	Both	Liver cancer due to hepatitis C	2010	2.0025	1.7547	2.2356
Global	Male	Liver cancer due to hepatitis C	2011	2.3893	2.1035	2.6910
Global	Female	Liver cancer due to hepatitis C	2011	1.6477	1.4369	1.8355
Global	Both	Liver cancer due to hepatitis C	2011	1.9852	1.7370	2.2184
Global	Male	Liver cancer due to hepatitis C	2012	2.3740	2.0862	2.6712
Global	Female	Liver cancer due to hepatitis C	2012	1.6326	1.4223	1.8193
Global	Both	Liver cancer due to hepatitis C	2012	1.9693	1.7180	2.1998
Global	Male	Liver cancer due to hepatitis C	2013	2.3609	2.0759	2.6560
Global	Female	Liver cancer due to hepatitis C	2013	1.6177	1.4059	1.8033
Global	Both	Liver cancer due to hepatitis C	2013	1.9545	1.7032	2.1847
Global	Male	Liver cancer due to hepatitis C	2014	2.3491	2.0599	2.6515
Global	Female	Liver cancer due to hepatitis C	2014	1.6046	1.3769	1.7949
Global	Both	Liver cancer due to hepatitis C	2014	1.9413	1.6881	2.1728
Global	Male	Liver cancer due to hepatitis C	2015	2.3377	2.0409	2.6469
Global	Female	Liver cancer due to hepatitis C	2015	1.5949	1.3668	1.7884
Global	Both	Liver cancer due to hepatitis C	2015	1.9304	1.6755	2.1697
Global	Male	Liver cancer due to hepatitis C	2016	2.3173	2.0100	2.6282
Global	Female	Liver cancer due to hepatitis C	2016	1.5849	1.3606	1.7747
Global	Both	Liver cancer due to hepatitis C	2016	1.9152	1.6559	2.1582
Global	Male	Liver cancer due to hepatitis C	2017	2.2990	1.9692	2.6165
Global	Female	Liver cancer due to hepatitis C	2017	1.5776	1.3471	1.7871
Global	Both	Liver cancer due to hepatitis C	2017	1.9027	1.6355	2.1551
Global	Male	Liver cancer due to hepatitis C	2018	2.2909	1.9642	2.6269
Global	Female	Liver cancer due to hepatitis C	2018	1.5753	1.3572	1.7750
Global	Both	Liver cancer due to hepatitis C	2018	1.8980	1.6431	2.1494
Global	Male	Liver cancer due to hepatitis C	2019	2.2879	1.9347	2.6555
Global	Female	Liver cancer due to hepatitis C	2019	1.5753	1.3458	1.8135
Global	Both	Liver cancer due to hepatitis C	2019	1.8971	1.6398	2.1706

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to hepatitis C	1990	2.3465	2.1366	2.5660
High SDI	Both	Liver cancer due to hepatitis C	1991	2.5295	2.3074	2.7532
High SDI	Both	Liver cancer due to hepatitis C	1992	2.7093	2.4804	2.9406
High SDI	Both	Liver cancer due to hepatitis C	1993	2.8754	2.6343	3.1212
High SDI	Both	Liver cancer due to hepatitis C	1994	3.0221	2.7644	3.2748
High SDI	Both	Liver cancer due to hepatitis C	1995	3.1458	2.8759	3.4152
High SDI	Both	Liver cancer due to hepatitis C	1996	3.2669	2.9879	3.5382
High SDI	Both	Liver cancer due to hepatitis C	1997	3.4004	3.1113	3.6827
High SDI	Both	Liver cancer due to hepatitis C	1998	3.5246	3.2240	3.8181
High SDI	Both	Liver cancer due to hepatitis C	1999	3.6258	3.3151	3.9287
High SDI	Both	Liver cancer due to hepatitis C	2000	3.6929	3.3676	4.0007
High SDI	Both	Liver cancer due to hepatitis C	2001	3.7257	3.3954	4.0396
High SDI	Both	Liver cancer due to hepatitis C	2002	3.7423	3.4075	4.0617
High SDI	Both	Liver cancer due to hepatitis C	2003	3.7396	3.4012	4.0689
High SDI	Both	Liver cancer due to hepatitis C	2004	3.7256	3.3787	4.0532
High SDI	Both	Liver cancer due to hepatitis C	2005	3.7084	3.3578	4.0425
High SDI	Both	Liver cancer due to hepatitis C	2006	3.6815	3.3249	4.0239
High SDI	Both	Liver cancer due to hepatitis C	2007	3.6439	3.2725	3.9945
High SDI	Both	Liver cancer due to hepatitis C	2008	3.5933	3.2217	3.9478
High SDI	Both	Liver cancer due to hepatitis C	2009	3.5386	3.1689	3.8959
High SDI	Both	Liver cancer due to hepatitis C	2010	3.4844	3.1032	3.8508
High SDI	Both	Liver cancer due to hepatitis C	2011	3.4273	3.0440	3.7859
High SDI	Both	Liver cancer due to hepatitis C	2012	3.3653	2.9802	3.7242
High SDI	Both	Liver cancer due to hepatitis C	2013	3.3004	2.9168	3.6577
High SDI	Both	Liver cancer due to hepatitis C	2014	3.2430	2.8660	3.6011
High SDI	Both	Liver cancer due to hepatitis C	2015	3.2004	2.8276	3.5578
High SDI	Both	Liver cancer due to hepatitis C	2016	3.1607	2.7868	3.5198
High SDI	Both	Liver cancer due to hepatitis C	2017	3.1326	2.7398	3.5009
High SDI	Both	Liver cancer due to hepatitis C	2018	3.1246	2.7368	3.5139
High SDI	Both	Liver cancer due to hepatitis C	2019	3.1293	2.6861	3.5975
High-middle SDI	Both	Liver cancer due to hepatitis C	1990	2.1058	1.7971	2.4233
High-middle SDI	Both	Liver cancer due to hepatitis C	1991	2.1671	1.8650	2.4668
High-middle SDI	Both	Liver cancer due to hepatitis C	1992	2.2178	1.9300	2.5073
High-middle SDI	Both	Liver cancer due to hepatitis C	1993	2.2587	1.9715	2.5411
High-middle SDI	Both	Liver cancer due to hepatitis C	1994	2.2879	2.0040	2.5723
High-middle SDI	Both	Liver cancer due to hepatitis C	1995	2.3059	2.0211	2.5887
High-middle SDI	Both	Liver cancer due to hepatitis C	1996	2.3019	2.0240	2.5725
High-middle SDI	Both	Liver cancer due to hepatitis C	1997	2.2719	2.0008	2.5395
High-middle SDI	Both	Liver cancer due to hepatitis C	1998	2.2249	1.9662	2.4836
High-middle SDI	Both	Liver cancer due to hepatitis C	1999	2.1681	1.9152	2.4229
High-middle SDI	Both	Liver cancer due to hepatitis C	2000	2.1093	1.8580	2.3536
High-middle SDI	Both	Liver cancer due to hepatitis C	2001	2.0116	1.7784	2.2363
High-middle SDI	Both	Liver cancer due to hepatitis C	2002	1.8562	1.6474	2.0679
High-middle SDI	Both	Liver cancer due to hepatitis C	2003	1.6849	1.4872	1.8818
High-middle SDI	Both	Liver cancer due to hepatitis C	2004	1.5381	1.3494	1.7213
High-middle SDI	Both	Liver cancer due to hepatitis C	2005	1.4605	1.2761	1.6430
High-middle SDI	Both	Liver cancer due to hepatitis C	2006	1.4380	1.2606	1.6140
High-middle SDI	Both	Liver cancer due to hepatitis C	2007	1.4239	1.2537	1.5985
High-middle SDI	Both	Liver cancer due to hepatitis C	2008	1.4161	1.2428	1.5871
High-middle SDI	Both	Liver cancer due to hepatitis C	2009	1.4105	1.2377	1.5811
High-middle SDI	Both	Liver cancer due to hepatitis C	2010	1.4036	1.2296	1.5808
High-middle SDI	Both	Liver cancer due to hepatitis C	2011	1.3926	1.2227	1.5613
High-middle SDI	Both	Liver cancer due to hepatitis C	2012	1.3787	1.2086	1.5456
High-middle SDI	Both	Liver cancer due to hepatitis C	2013	1.3659	1.1976	1.5334
High-middle SDI	Both	Liver cancer due to hepatitis C	2014	1.3558	1.1828	1.5228
High-middle SDI	Both	Liver cancer due to hepatitis C	2015	1.3506	1.1741	1.5223
High-middle SDI	Both	Liver cancer due to hepatitis C	2016	1.3396	1.1602	1.5153

High-middle SDI	Both	Liver cancer due to hepatitis C	2017	1.3281	1.1316	1.5046
High-middle SDI	Both	Liver cancer due to hepatitis C	2018	1.3280	1.1435	1.5095
High-middle SDI	Both	Liver cancer due to hepatitis C	2019	1.3336	1.1406	1.5490
Low SDI	Both	Liver cancer due to hepatitis C	1990	1.1917	0.9146	1.4743
Low SDI	Both	Liver cancer due to hepatitis C	1991	1.0686	0.8215	1.3213
Low SDI	Both	Liver cancer due to hepatitis C	1992	1.0738	0.8249	1.3253
Low SDI	Both	Liver cancer due to hepatitis C	1993	1.0773	0.8272	1.3343
Low SDI	Both	Liver cancer due to hepatitis C	1994	1.0792	0.8303	1.3357
Low SDI	Both	Liver cancer due to hepatitis C	1995	1.0788	0.8292	1.3382
Low SDI	Both	Liver cancer due to hepatitis C	1996	1.0773	0.8326	1.3292
Low SDI	Both	Liver cancer due to hepatitis C	1997	1.0751	0.8318	1.3256
Low SDI	Both	Liver cancer due to hepatitis C	1998	1.0720	0.8332	1.3209
Low SDI	Both	Liver cancer due to hepatitis C	1999	1.0684	0.8341	1.3101
Low SDI	Both	Liver cancer due to hepatitis C	2000	1.0636	0.8330	1.3044
Low SDI	Both	Liver cancer due to hepatitis C	2001	1.0585	0.8321	1.2945
Low SDI	Both	Liver cancer due to hepatitis C	2002	1.0533	0.8280	1.2800
Low SDI	Both	Liver cancer due to hepatitis C	2003	1.0477	0.8209	1.2701
Low SDI	Both	Liver cancer due to hepatitis C	2004	1.0419	0.8174	1.2634
Low SDI	Both	Liver cancer due to hepatitis C	2005	1.0350	0.8112	1.2537
Low SDI	Both	Liver cancer due to hepatitis C	2006	1.0275	0.8078	1.2386
Low SDI	Both	Liver cancer due to hepatitis C	2007	1.0189	0.8044	1.2251
Low SDI	Both	Liver cancer due to hepatitis C	2008	1.0665	0.8415	1.2855
Low SDI	Both	Liver cancer due to hepatitis C	2009	1.0583	0.8377	1.2758
Low SDI	Both	Liver cancer due to hepatitis C	2010	1.0504	0.8314	1.2704
Low SDI	Both	Liver cancer due to hepatitis C	2011	1.0429	0.8301	1.2556
Low SDI	Both	Liver cancer due to hepatitis C	2012	1.0350	0.8226	1.2417
Low SDI	Both	Liver cancer due to hepatitis C	2013	1.0274	0.8150	1.2313
Low SDI	Both	Liver cancer due to hepatitis C	2014	1.0207	0.8108	1.2248
Low SDI	Both	Liver cancer due to hepatitis C	2015	1.0148	0.8098	1.2222
Low SDI	Both	Liver cancer due to hepatitis C	2016	1.0104	0.8012	1.2174
Low SDI	Both	Liver cancer due to hepatitis C	2017	1.0072	0.7990	1.2230
Low SDI	Both	Liver cancer due to hepatitis C	2018	1.0045	0.7909	1.2063
Low SDI	Both	Liver cancer due to hepatitis C	2019	1.0018	0.7902	1.2125
Low-middle SDI	Both	Liver cancer due to hepatitis C	1990	1.2047	0.9865	1.4499
Low-middle SDI	Both	Liver cancer due to hepatitis C	1991	1.2056	0.9930	1.4375
Low-middle SDI	Both	Liver cancer due to hepatitis C	1992	1.2114	0.9969	1.4431
Low-middle SDI	Both	Liver cancer due to hepatitis C	1993	1.2144	0.9975	1.4378
Low-middle SDI	Both	Liver cancer due to hepatitis C	1994	1.2150	0.9948	1.4415
Low-middle SDI	Both	Liver cancer due to hepatitis C	1995	1.2123	0.9905	1.4401
Low-middle SDI	Both	Liver cancer due to hepatitis C	1996	1.2037	0.9809	1.4222
Low-middle SDI	Both	Liver cancer due to hepatitis C	1997	1.1886	0.9683	1.4011
Low-middle SDI	Both	Liver cancer due to hepatitis C	1998	1.1692	0.9573	1.3768
Low-middle SDI	Both	Liver cancer due to hepatitis C	1999	1.1481	0.9451	1.3548
Low-middle SDI	Both	Liver cancer due to hepatitis C	2000	1.1279	0.9266	1.3329
Low-middle SDI	Both	Liver cancer due to hepatitis C	2001	1.1048	0.9095	1.3023
Low-middle SDI	Both	Liver cancer due to hepatitis C	2002	1.0751	0.8817	1.2644
Low-middle SDI	Both	Liver cancer due to hepatitis C	2003	1.0449	0.8531	1.2330
Low-middle SDI	Both	Liver cancer due to hepatitis C	2004	1.0197	0.8316	1.2045
Low-middle SDI	Both	Liver cancer due to hepatitis C	2005	1.0053	0.8176	1.1865
Low-middle SDI	Both	Liver cancer due to hepatitis C	2006	0.9992	0.8144	1.1796
Low-middle SDI	Both	Liver cancer due to hepatitis C	2007	0.9938	0.8110	1.1718
Low-middle SDI	Both	Liver cancer due to hepatitis C	2008	0.9896	0.8063	1.1617
Low-middle SDI	Both	Liver cancer due to hepatitis C	2009	0.9861	0.8056	1.1596
Low-middle SDI	Both	Liver cancer due to hepatitis C	2010	0.9835	0.8042	1.1577
Low-middle SDI	Both	Liver cancer due to hepatitis C	2011	0.9839	0.8047	1.1530
Low-middle SDI	Both	Liver cancer due to hepatitis C	2012	0.9866	0.8072	1.1515
Low-middle SDI	Both	Liver cancer due to hepatitis C	2013	0.9916	0.8117	1.1565
Low-middle SDI	Both	Liver cancer due to hepatitis C	2014	0.9972	0.8171	1.1627
Low-middle SDI	Both	Liver cancer due to hepatitis C	2015	1.0021	0.8242	1.1710
Low-middle SDI	Both	Liver cancer due to hepatitis C	2016	1.0111	0.8297	1.1837

Low-middle SDI	Both	Liver cancer due to hepatitis C	2017	1.0203	0.8371	1.2021
Low-middle SDI	Both	Liver cancer due to hepatitis C	2018	1.0248	0.8393	1.2080
Low-middle SDI	Both	Liver cancer due to hepatitis C	2019	1.0273	0.8376	1.2162
Middle SDI	Both	Liver cancer due to hepatitis C	1990	3.0346	2.5589	3.5752
Middle SDI	Both	Liver cancer due to hepatitis C	1991	2.9431	2.5144	3.4204
Middle SDI	Both	Liver cancer due to hepatitis C	1992	2.9760	2.5803	3.4117
Middle SDI	Both	Liver cancer due to hepatitis C	1993	2.9892	2.6124	3.3975
Middle SDI	Both	Liver cancer due to hepatitis C	1994	2.9960	2.6221	3.4030
Middle SDI	Both	Liver cancer due to hepatitis C	1995	2.9895	2.6059	3.3792
Middle SDI	Both	Liver cancer due to hepatitis C	1996	2.9546	2.5872	3.3129
Middle SDI	Both	Liver cancer due to hepatitis C	1997	2.8878	2.5293	3.2347
Middle SDI	Both	Liver cancer due to hepatitis C	1998	2.7989	2.4583	3.1306
Middle SDI	Both	Liver cancer due to hepatitis C	1999	2.6993	2.3747	3.0270
Middle SDI	Both	Liver cancer due to hepatitis C	2000	2.5997	2.2843	2.9193
Middle SDI	Both	Liver cancer due to hepatitis C	2001	2.4592	2.1621	2.7424
Middle SDI	Both	Liver cancer due to hepatitis C	2002	2.2637	1.9934	2.5223
Middle SDI	Both	Liver cancer due to hepatitis C	2003	2.0544	1.8074	2.2941
Middle SDI	Both	Liver cancer due to hepatitis C	2004	1.8821	1.6551	2.1132
Middle SDI	Both	Liver cancer due to hepatitis C	2005	1.7912	1.5711	2.0172
Middle SDI	Both	Liver cancer due to hepatitis C	2006	1.7715	1.5525	1.9913
Middle SDI	Both	Liver cancer due to hepatitis C	2007	1.7702	1.5503	1.9905
Middle SDI	Both	Liver cancer due to hepatitis C	2008	1.7726	1.5445	1.9950
Middle SDI	Both	Liver cancer due to hepatitis C	2009	1.7776	1.5328	2.0070
Middle SDI	Both	Liver cancer due to hepatitis C	2010	1.7789	1.5322	2.0237
Middle SDI	Both	Liver cancer due to hepatitis C	2011	1.7829	1.5376	2.0216
Middle SDI	Both	Liver cancer due to hepatitis C	2012	1.7923	1.5457	2.0343
Middle SDI	Both	Liver cancer due to hepatitis C	2013	1.8050	1.5536	2.0430
Middle SDI	Both	Liver cancer due to hepatitis C	2014	1.8158	1.5565	2.0613
Middle SDI	Both	Liver cancer due to hepatitis C	2015	1.8199	1.5558	2.0767
Middle SDI	Both	Liver cancer due to hepatitis C	2016	1.8159	1.5464	2.0811
Middle SDI	Both	Liver cancer due to hepatitis C	2017	1.8109	1.5254	2.1097
Middle SDI	Both	Liver cancer due to hepatitis C	2018	1.8074	1.5139	2.1197
Middle SDI	Both	Liver cancer due to hepatitis C	2019	1.8054	1.5068	2.1644

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to hepatitis C	2019	3.7917	2.6197	5.3109
Albania	Both	Liver cancer due to hepatitis C	2019	1.6932	1.0771	2.5192
Algeria	Both	Liver cancer due to hepatitis C	2019	0.8655	0.6097	1.1810
American Samoa	Both	Liver cancer due to hepatitis C	2019	1.4012	0.9478	1.9105
Andorra	Both	Liver cancer due to hepatitis C	2019	3.8362	2.5034	5.4479
Angola	Both	Liver cancer due to hepatitis C	2019	1.1251	0.8212	1.4825
Antigua and Barbuda	Both	Liver cancer due to hepatitis C	2019	0.6289	0.4302	0.8804
Argentina	Both	Liver cancer due to hepatitis C	2019	0.7004	0.4793	0.9675
Armenia	Both	Liver cancer due to hepatitis C	2019	2.4879	1.7804	3.2747
Australia	Both	Liver cancer due to hepatitis C	2019	1.3886	0.9320	1.9665
Austria	Both	Liver cancer due to hepatitis C	2019	1.5976	1.0985	2.2957
Azerbaijan	Both	Liver cancer due to hepatitis C	2019	1.5230	1.0111	2.2554
Bahamas	Both	Liver cancer due to hepatitis C	2019	0.6592	0.4368	0.9135
Bahrain	Both	Liver cancer due to hepatitis C	2019	2.3510	1.6685	3.1361
Bangladesh	Both	Liver cancer due to hepatitis C	2019	1.1120	0.7843	1.4640
Barbados	Both	Liver cancer due to hepatitis C	2019	0.5760	0.3891	0.8173
Belarus	Both	Liver cancer due to hepatitis C	2019	0.5769	0.3724	0.8458
Belgium	Both	Liver cancer due to hepatitis C	2019	1.5150	1.0516	2.0850
Belize	Both	Liver cancer due to hepatitis C	2019	0.6631	0.4462	0.9183
Benin	Both	Liver cancer due to hepatitis C	2019	0.9568	0.6163	1.3462
Bermuda	Both	Liver cancer due to hepatitis C	2019	0.4238	0.2763	0.6120
Bhutan	Both	Liver cancer due to hepatitis C	2019	0.9981	0.6161	1.5363
Bolivia (Plurinational State of)	Both	Liver cancer due to hepatitis C	2019	0.3994	0.2230	0.6479
Bosnia and Herzegovina	Both	Liver cancer due to hepatitis C	2019	2.2585	1.5454	3.1762
Botswana	Both	Liver cancer due to hepatitis C	2019	0.4142	0.2697	0.5872
Brazil	Both	Liver cancer due to hepatitis C	2019	0.9401	0.8236	1.0509
Brunei Darussalam	Both	Liver cancer due to hepatitis C	2019	4.1921	3.0398	5.5226
Bulgaria	Both	Liver cancer due to hepatitis C	2019	0.9682	0.6373	1.4059
Burkina Faso	Both	Liver cancer due to hepatitis C	2019	0.6006	0.3915	0.8244
Burundi	Both	Liver cancer due to hepatitis C	2019	0.7121	0.4414	1.0873
Cabo Verde	Both	Liver cancer due to hepatitis C	2019	2.2198	1.4552	3.1683
Cambodia	Both	Liver cancer due to hepatitis C	2019	3.5385	2.5426	4.6308
Cameroon	Both	Liver cancer due to hepatitis C	2019	0.1092	0.0692	0.1575
Canada	Both	Liver cancer due to hepatitis C	2019	0.8345	0.5184	1.2238
Central African Republic	Both	Liver cancer due to hepatitis C	2019	1.4642	0.9019	2.1711
Chad	Both	Liver cancer due to hepatitis C	2019	1.0746	0.6806	1.5352
Chile	Both	Liver cancer due to hepatitis C	2019	1.0410	0.6930	1.4507
China	Both	Liver cancer due to hepatitis C	2019	1.7540	1.4419	2.0890
Colombia	Both	Liver cancer due to hepatitis C	2019	0.9228	0.6320	1.2930
Comoros	Both	Liver cancer due to hepatitis C	2019	0.7544	0.4757	1.1490
Congo	Both	Liver cancer due to hepatitis C	2019	1.3815	0.9521	1.9662
Cook Islands	Both	Liver cancer due to hepatitis C	2019	2.2741	1.5160	3.2123
Costa Rica	Both	Liver cancer due to hepatitis C	2019	1.8448	1.2417	2.5432
Côte d'Ivoire	Both	Liver cancer due to hepatitis C	2019	0.8440	0.5330	1.2553
Croatia	Both	Liver cancer due to hepatitis C	2019	0.6667	0.4344	0.9627
Cuba	Both	Liver cancer due to hepatitis C	2019	0.5170	0.3387	0.7457
Cyprus	Both	Liver cancer due to hepatitis C	2019	1.4131	1.0436	1.8182
Czechia	Both	Liver cancer due to hepatitis C	2019	0.6505	0.4247	0.9446
Democratic People's Republic of Korea	Both	Liver cancer due to hepatitis C	2019	2.2686	1.4777	3.2121
Democratic Republic of the Congo	Both	Liver cancer due to hepatitis C	2019	1.0667	0.7598	1.4264
Denmark	Both	Liver cancer due to hepatitis C	2019	1.3237	0.9021	1.8622
Djibouti	Both	Liver cancer due to hepatitis C	2019	0.8011	0.4917	1.2883
Dominica	Both	Liver cancer due to hepatitis C	2019	0.6926	0.4599	0.9879
Dominican Republic	Both	Liver cancer due to hepatitis C	2019	0.9825	0.6198	1.5482
Ecuador	Both	Liver cancer due to hepatitis C	2019	0.2949	0.1801	0.4420
Egypt	Both	Liver cancer due to hepatitis C	2019	13.6407	9.4408	19.1886
El Salvador	Both	Liver cancer due to hepatitis C	2019	0.7543	0.5049	1.0589
Equatorial Guinea	Both	Liver cancer due to hepatitis C	2019	1.4221	0.8093	2.1799
Eritrea	Both	Liver cancer due to hepatitis C	2019	0.8674	0.5444	1.2773
Estonia	Both	Liver cancer due to hepatitis C	2019	0.8731	0.5641	1.2552
Eswatini	Both	Liver cancer due to hepatitis C	2019	4.0445	1.4325	7.4565
Ethiopia	Both	Liver cancer due to hepatitis C	2019	1.0602	0.8322	1.3543
Fiji	Both	Liver cancer due to hepatitis C	2019	1.3611	0.9094	1.9666

Finland	Both	Liver cancer due to hepatitis C	2019	1.9966	1.3852	2.7560
France	Both	Liver cancer due to hepatitis C	2019	2.6830	1.8394	3.7117
Gabon	Both	Liver cancer due to hepatitis C	2019	1.5834	1.0161	2.3302
Gambia	Both	Liver cancer due to hepatitis C	2019	5.4687	3.4305	8.1112
Georgia	Both	Liver cancer due to hepatitis C	2019	1.0726	0.7643	1.4435
Germany	Both	Liver cancer due to hepatitis C	2019	1.3686	0.9348	1.8950
Ghana	Both	Liver cancer due to hepatitis C	2019	0.9033	0.5795	1.3121
Greece	Both	Liver cancer due to hepatitis C	2019	0.5865	0.3835	0.8641
Greenland	Both	Liver cancer due to hepatitis C	2019	1.6480	1.0932	2.3934
Grenada	Both	Liver cancer due to hepatitis C	2019	0.6498	0.4432	0.8899
Guam	Both	Liver cancer due to hepatitis C	2019	0.9116	0.5896	1.3409
Guatemala	Both	Liver cancer due to hepatitis C	2019	1.9049	1.3656	2.5799
Guinea	Both	Liver cancer due to hepatitis C	2019	5.3842	3.2928	8.0020
Guinea-Bissau	Both	Liver cancer due to hepatitis C	2019	1.2393	0.7503	1.8901
Guyana	Both	Liver cancer due to hepatitis C	2019	0.6732	0.4303	0.9622
Haiti	Both	Liver cancer due to hepatitis C	2019	0.9837	0.5350	1.5626
Honduras	Both	Liver cancer due to hepatitis C	2019	6.0602	2.4985	9.7491
Hungary	Both	Liver cancer due to hepatitis C	2019	0.5941	0.3926	0.8413
Iceland	Both	Liver cancer due to hepatitis C	2019	1.1963	0.8700	1.5860
India	Both	Liver cancer due to hepatitis C	2019	0.5514	0.4289	0.6870
Indonesia	Both	Liver cancer due to hepatitis C	2019	1.0759	0.8914	1.2314
Iran (Islamic Republic of)	Both	Liver cancer due to hepatitis C	2019	1.1575	0.9762	1.3497
Iraq	Both	Liver cancer due to hepatitis C	2019	2.3685	1.6441	3.2814
Ireland	Both	Liver cancer due to hepatitis C	2019	1.4562	0.9855	2.0313
Israel	Both	Liver cancer due to hepatitis C	2019	1.2694	0.9021	1.7413
Italy	Both	Liver cancer due to hepatitis C	2019	3.1407	2.5046	3.9151
Jamaica	Both	Liver cancer due to hepatitis C	2019	0.5855	0.3830	0.8537
Japan	Both	Liver cancer due to hepatitis C	2019	8.6033	7.0632	10.2510
Jordan	Both	Liver cancer due to hepatitis C	2019	0.8898	0.6143	1.2025
Kazakhstan	Both	Liver cancer due to hepatitis C	2019	2.1377	1.4991	2.8621
Kenya	Both	Liver cancer due to hepatitis C	2019	0.7037	0.4711	1.0108
Kiribati	Both	Liver cancer due to hepatitis C	2019	2.7182	1.7532	3.9323
Kuwait	Both	Liver cancer due to hepatitis C	2019	1.0338	0.7258	1.3874
Kyrgyzstan	Both	Liver cancer due to hepatitis C	2019	0.9491	0.6814	1.2355
Lao People's Democratic Republic	Both	Liver cancer due to hepatitis C	2019	1.7683	1.1511	2.4813
Latvia	Both	Liver cancer due to hepatitis C	2019	0.6382	0.4263	0.8878
Lebanon	Both	Liver cancer due to hepatitis C	2019	0.8850	0.5501	1.3844
Lesotho	Both	Liver cancer due to hepatitis C	2019	3.5737	1.6784	5.9091
Liberia	Both	Liver cancer due to hepatitis C	2019	0.9610	0.5724	1.4380
Libya	Both	Liver cancer due to hepatitis C	2019	1.8332	1.2047	2.6614
Lithuania	Both	Liver cancer due to hepatitis C	2019	0.7126	0.4710	0.9778
Luxembourg	Both	Liver cancer due to hepatitis C	2019	1.4317	0.9771	2.0570
Madagascar	Both	Liver cancer due to hepatitis C	2019	0.6115	0.3861	0.9344
Malawi	Both	Liver cancer due to hepatitis C	2019	0.6751	0.4489	0.9339
Malaysia	Both	Liver cancer due to hepatitis C	2019	1.0281	0.6674	1.5336
Maldives	Both	Liver cancer due to hepatitis C	2019	1.4421	0.9455	2.0054
Mali	Both	Liver cancer due to hepatitis C	2019	4.9009	3.2491	6.8092
Malta	Both	Liver cancer due to hepatitis C	2019	0.9108	0.6584	1.2197
Marshall Islands	Both	Liver cancer due to hepatitis C	2019	2.2368	1.3565	3.3295
Mauritania	Both	Liver cancer due to hepatitis C	2019	0.8279	0.5291	1.1939
Mauritius	Both	Liver cancer due to hepatitis C	2019	0.5356	0.3542	0.7725
Mexico	Both	Liver cancer due to hepatitis C	2019	1.4167	1.1914	1.6785
Micronesia (Federated States of)	Both	Liver cancer due to hepatitis C	2019	2.2853	1.3743	3.4646
Monaco	Both	Liver cancer due to hepatitis C	2019	3.2753	2.2682	4.4125
Mongolia	Both	Liver cancer due to hepatitis C	2019	35.0204	24.7299	46.7747
Montenegro	Both	Liver cancer due to hepatitis C	2019	1.4557	0.9890	2.0522
Morocco	Both	Liver cancer due to hepatitis C	2019	0.7976	0.5350	1.0786
Mozambique	Both	Liver cancer due to hepatitis C	2019	0.6226	0.3844	0.9224
Myanmar	Both	Liver cancer due to hepatitis C	2019	1.3009	0.8991	1.7270
Namibia	Both	Liver cancer due to hepatitis C	2019	0.9417	0.6255	1.2978
Nauru	Both	Liver cancer due to hepatitis C	2019	1.9904	1.2426	3.0372
Nepal	Both	Liver cancer due to hepatitis C	2019	0.7500	0.5052	1.1404
Netherlands	Both	Liver cancer due to hepatitis C	2019	1.0267	0.7142	1.4297
New Zealand	Both	Liver cancer due to hepatitis C	2019	1.3945	1.1159	1.7226
Nicaragua	Both	Liver cancer due to hepatitis C	2019	1.5242	1.1022	2.0172
Niger	Both	Liver cancer due to hepatitis C	2019	0.1271	0.0796	0.1803
Nigeria	Both	Liver cancer due to hepatitis C	2019	0.7519	0.5797	0.9470

Niue	Both	Liver cancer due to hepatitis C	2019	1.5538	1.0136	2.2520
North Macedonia	Both	Liver cancer due to hepatitis C	2019	2.3174	1.5640	3.2679
Northern Mariana Islands	Both	Liver cancer due to hepatitis C	2019	1.4548	0.9338	2.0232
Norway	Both	Liver cancer due to hepatitis C	2019	1.0821	0.8718	1.3216
Oman	Both	Liver cancer due to hepatitis C	2019	1.9323	1.3542	2.5394
Pakistan	Both	Liver cancer due to hepatitis C	2019	1.7864	1.3136	2.2413
Palau	Both	Liver cancer due to hepatitis C	2019	1.5894	1.0297	2.2742
Palestine	Both	Liver cancer due to hepatitis C	2019	2.7888	2.0384	3.6332
Panama	Both	Liver cancer due to hepatitis C	2019	1.0352	0.6987	1.4751
Papua New Guinea	Both	Liver cancer due to hepatitis C	2019	0.4420	0.2880	0.6408
Paraguay	Both	Liver cancer due to hepatitis C	2019	0.7673	0.5203	1.0525
Peru	Both	Liver cancer due to hepatitis C	2019	0.1903	0.1142	0.3030
Philippines	Both	Liver cancer due to hepatitis C	2019	1.4193	1.1276	1.7791
Poland	Both	Liver cancer due to hepatitis C	2019	0.4572	0.3684	0.5608
Portugal	Both	Liver cancer due to hepatitis C	2019	1.6437	1.1060	2.2930
Puerto Rico	Both	Liver cancer due to hepatitis C	2019	0.5834	0.3700	0.8539
Qatar	Both	Liver cancer due to hepatitis C	2019	7.0925	4.7896	9.8427
Republic of Korea	Both	Liver cancer due to hepatitis C	2019	3.9780	2.6925	5.4478
Republic of Moldova	Both	Liver cancer due to hepatitis C	2019	0.5153	0.3505	0.7255
Romania	Both	Liver cancer due to hepatitis C	2019	0.6902	0.4605	0.9669
Russian Federation	Both	Liver cancer due to hepatitis C	2019	0.7376	0.5957	0.8864
Rwanda	Both	Liver cancer due to hepatitis C	2019	1.0533	0.7241	1.4810
Saint Kitts and Nevis	Both	Liver cancer due to hepatitis C	2019	0.8387	0.5614	1.1789
Saint Lucia	Both	Liver cancer due to hepatitis C	2019	0.4499	0.3038	0.6354
Saint Vincent and the Grenadines	Both	Liver cancer due to hepatitis C	2019	0.5999	0.4089	0.8355
Samoa	Both	Liver cancer due to hepatitis C	2019	0.9889	0.6284	1.4473
San Marino	Both	Liver cancer due to hepatitis C	2019	1.0790	0.7294	1.5457
Sao Tome and Principe	Both	Liver cancer due to hepatitis C	2019	0.4658	0.2792	0.7186
Saudi Arabia	Both	Liver cancer due to hepatitis C	2019	2.1126	1.4572	2.8764
Senegal	Both	Liver cancer due to hepatitis C	2019	0.2015	0.1199	0.3096
Serbia	Both	Liver cancer due to hepatitis C	2019	1.7625	1.2151	2.4350
Seychelles	Both	Liver cancer due to hepatitis C	2019	1.3188	0.8986	1.7896
Sierra Leone	Both	Liver cancer due to hepatitis C	2019	0.9268	0.5756	1.3429
Singapore	Both	Liver cancer due to hepatitis C	2019	3.3217	2.1096	4.7157
Slovakia	Both	Liver cancer due to hepatitis C	2019	0.7878	0.5058	1.1381
Slovenia	Both	Liver cancer due to hepatitis C	2019	1.3345	0.8645	1.9183
Solomon Islands	Both	Liver cancer due to hepatitis C	2019	1.1488	0.7672	1.6144
Somalia	Both	Liver cancer due to hepatitis C	2019	0.8750	0.5118	1.5633
South Africa	Both	Liver cancer due to hepatitis C	2019	1.5135	1.2887	1.8141
South Sudan	Both	Liver cancer due to hepatitis C	2019	0.6840	0.3856	1.1469
Spain	Both	Liver cancer due to hepatitis C	2019	2.9667	2.0738	3.9846
Sri Lanka	Both	Liver cancer due to hepatitis C	2019	0.7152	0.4631	1.0424
Sudan	Both	Liver cancer due to hepatitis C	2019	1.1210	0.6408	1.7820
Suriname	Both	Liver cancer due to hepatitis C	2019	0.5646	0.3779	0.7994
Sweden	Both	Liver cancer due to hepatitis C	2019	1.0413	0.8220	1.2782
Switzerland	Both	Liver cancer due to hepatitis C	2019	1.9317	1.2891	2.7346
Syrian Arab Republic	Both	Liver cancer due to hepatitis C	2019	1.7294	1.1819	2.4204
Taiwan (Province of China)	Both	Liver cancer due to hepatitis C	2019	2.8994	1.9711	3.9953
Tajikistan	Both	Liver cancer due to hepatitis C	2019	1.8644	1.3876	2.4437
Thailand	Both	Liver cancer due to hepatitis C	2019	4.0571	2.5656	6.0444
Timor-Leste	Both	Liver cancer due to hepatitis C	2019	1.7288	1.1217	2.5237
Togo	Both	Liver cancer due to hepatitis C	2019	1.0055	0.6459	1.4155
Tokelau	Both	Liver cancer due to hepatitis C	2019	1.6255	1.0618	2.3084
Tonga	Both	Liver cancer due to hepatitis C	2019	4.7666	3.0158	7.0443
Trinidad and Tobago	Both	Liver cancer due to hepatitis C	2019	0.5659	0.3580	0.8294
Tunisia	Both	Liver cancer due to hepatitis C	2019	0.9527	0.6423	1.3652
Turkey	Both	Liver cancer due to hepatitis C	2019	0.9248	0.6319	1.2317
Turkmenistan	Both	Liver cancer due to hepatitis C	2019	1.7071	1.1250	2.3457
Tuvalu	Both	Liver cancer due to hepatitis C	2019	1.8723	1.1632	2.7349
Uganda	Both	Liver cancer due to hepatitis C	2019	1.3104	0.8737	1.8529
Ukraine	Both	Liver cancer due to hepatitis C	2019	0.6834	0.5597	0.8354
United Arab Emirates	Both	Liver cancer due to hepatitis C	2019	1.5751	0.6260	3.8624
United Kingdom	Both	Liver cancer due to hepatitis C	2019	1.7888	1.4567	2.1726
United Republic of Tanzania	Both	Liver cancer due to hepatitis C	2019	0.5360	0.3604	0.7374
United States of America	Both	Liver cancer due to hepatitis C	2019	1.8811	1.5061	2.2826
United States Virgin Islands	Both	Liver cancer due to hepatitis C	2019	0.5232	0.3479	0.7150
Uruguay	Both	Liver cancer due to hepatitis C	2019	0.7820	0.5203	1.0873

Uzbekistan	Both	Liver cancer due to hepatitis C	2019	2.2570	1.6084	3.0036
Vanuatu	Both	Liver cancer due to hepatitis C	2019	1.9193	1.1560	2.8787
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to hepatitis C	2019	0.8132	0.5508	1.1342
Viet Nam	Both	Liver cancer due to hepatitis C	2019	0.6489	0.3796	1.0146
Yemen	Both	Liver cancer due to hepatitis C	2019	1.5075	1.0197	2.1466
Zambia	Both	Liver cancer due to hepatitis C	2019	0.6498	0.4322	0.9056
Zimbabwe	Both	Liver cancer due to hepatitis C	2019	5.0156	3.3719	7.0712



location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Both	Liver cancer due to hepatitis C	1990	2.2477	1.9689	2.5443
Global	Female	Liver cancer due to hepatitis C	1990	2.0895	1.7961	2.4317
Global	Male	Liver cancer due to hepatitis C	1990	2.4217	2.1047	2.7644
Global	Both	Liver cancer due to hepatitis C	1991	2.2981	2.0184	2.6058
Global	Female	Liver cancer due to hepatitis C	1991	2.1197	1.8180	2.4498
Global	Male	Liver cancer due to hepatitis C	1991	2.4964	2.1578	2.8423
Global	Both	Liver cancer due to hepatitis C	1992	2.3473	2.0730	2.6433
Global	Female	Liver cancer due to hepatitis C	1992	2.1510	1.8640	2.4654
Global	Male	Liver cancer due to hepatitis C	1992	2.5678	2.2181	2.9134
Global	Both	Liver cancer due to hepatitis C	1993	2.4049	2.1115	2.6855
Global	Female	Liver cancer due to hepatitis C	1993	2.1855	1.8967	2.4889
Global	Male	Liver cancer due to hepatitis C	1993	2.6542	2.3152	2.9956
Global	Both	Liver cancer due to hepatitis C	1994	2.4555	2.1628	2.7304
Global	Female	Liver cancer due to hepatitis C	1994	2.2078	1.9284	2.5080
Global	Male	Liver cancer due to hepatitis C	1994	2.7402	2.3711	3.0800
Global	Both	Liver cancer due to hepatitis C	1995	2.5078	2.2219	2.7817
Global	Female	Liver cancer due to hepatitis C	1995	2.2295	1.9497	2.5153
Global	Male	Liver cancer due to hepatitis C	1995	2.8297	2.4728	3.1527
Global	Both	Liver cancer due to hepatitis C	1996	2.5370	2.2576	2.8119
Global	Female	Liver cancer due to hepatitis C	1996	2.2409	1.9873	2.5178
Global	Male	Liver cancer due to hepatitis C	1996	2.8822	2.5386	3.2370
Global	Both	Liver cancer due to hepatitis C	1997	2.5396	2.2603	2.8093
Global	Female	Liver cancer due to hepatitis C	1997	2.2307	1.9767	2.4834
Global	Male	Liver cancer due to hepatitis C	1997	2.9010	2.5464	3.2394
Global	Both	Liver cancer due to hepatitis C	1998	2.5417	2.2487	2.8032
Global	Female	Liver cancer due to hepatitis C	1998	2.2157	1.9581	2.4766
Global	Male	Liver cancer due to hepatitis C	1998	2.9245	2.5781	3.2448
Global	Both	Liver cancer due to hepatitis C	1999	2.5269	2.2548	2.7979
Global	Female	Liver cancer due to hepatitis C	1999	2.1987	1.9435	2.4486
Global	Male	Liver cancer due to hepatitis C	1999	2.9124	2.5727	3.2567
Global	Both	Liver cancer due to hepatitis C	2000	2.4546	2.1822	2.7132
Global	Female	Liver cancer due to hepatitis C	2000	2.1303	1.8836	2.3709
Global	Male	Liver cancer due to hepatitis C	2000	2.8355	2.5125	3.1677
Global	Both	Liver cancer due to hepatitis C	2001	2.3394	2.0693	2.5888
Global	Female	Liver cancer due to hepatitis C	2001	2.0187	1.7747	2.2518
Global	Male	Liver cancer due to hepatitis C	2001	2.7189	2.3874	3.0353
Global	Both	Liver cancer due to hepatitis C	2002	2.2118	1.9530	2.4515
Global	Female	Liver cancer due to hepatitis C	2002	1.9091	1.6793	2.1245
Global	Male	Liver cancer due to hepatitis C	2002	2.5727	2.2756	2.8801
Global	Both	Liver cancer due to hepatitis C	2003	2.1086	1.8682	2.3322
Global	Female	Liver cancer due to hepatitis C	2003	1.8101	1.5926	1.9952
Global	Male	Liver cancer due to hepatitis C	2003	2.4675	2.1818	2.7633
Global	Both	Liver cancer due to hepatitis C	2004	2.0246	1.7950	2.2486
Global	Female	Liver cancer due to hepatitis C	2004	1.7307	1.5261	1.9302
Global	Male	Liver cancer due to hepatitis C	2004	2.3793	2.1048	2.6715
Global	Both	Liver cancer due to hepatitis C	2005	1.9869	1.7571	2.2043
Global	Female	Liver cancer due to hepatitis C	2005	1.6947	1.4836	1.8750

Global	Male	Liver cancer due to hepatitis C	2005	2.3404	2.0776	2.6134
Global	Both	Liver cancer due to hepatitis C	2006	1.9639	1.7331	2.1832
Global	Female	Liver cancer due to hepatitis C	2006	1.6825	1.4715	1.8638
Global	Male	Liver cancer due to hepatitis C	2006	2.3032	2.0309	2.5770
Global	Both	Liver cancer due to hepatitis C	2007	1.9417	1.7053	2.1576
Global	Female	Liver cancer due to hepatitis C	2007	1.6666	1.4519	1.8491
Global	Male	Liver cancer due to hepatitis C	2007	2.2730	2.0039	2.5508
Global	Both	Liver cancer due to hepatitis C	2008	1.9337	1.7003	2.1564
Global	Female	Liver cancer due to hepatitis C	2008	1.6659	1.4450	1.8516
Global	Male	Liver cancer due to hepatitis C	2008	2.2564	1.9808	2.5451
Global	Both	Liver cancer due to hepatitis C	2009	1.9112	1.6763	2.1376
Global	Female	Liver cancer due to hepatitis C	2009	1.6443	1.4308	1.8264
Global	Male	Liver cancer due to hepatitis C	2009	2.2322	1.9530	2.5215
Global	Both	Liver cancer due to hepatitis C	2010	1.8859	1.6445	2.1096
Global	Female	Liver cancer due to hepatitis C	2010	1.6250	1.4112	1.8036
Global	Male	Liver cancer due to hepatitis C	2010	2.2009	1.9260	2.4849
Global	Both	Liver cancer due to hepatitis C	2011	1.8609	1.6180	2.0847
Global	Female	Liver cancer due to hepatitis C	2011	1.6020	1.3853	1.7886
Global	Male	Liver cancer due to hepatitis C	2011	2.1751	1.8880	2.4662
Global	Both	Liver cancer due to hepatitis C	2012	1.8389	1.6054	2.0633
Global	Female	Liver cancer due to hepatitis C	2012	1.5804	1.3680	1.7641
Global	Male	Liver cancer due to hepatitis C	2012	2.1533	1.8701	2.4320
Global	Both	Liver cancer due to hepatitis C	2013	1.8264	1.5903	2.0462
Global	Female	Liver cancer due to hepatitis C	2013	1.5695	1.3557	1.7554
Global	Male	Liver cancer due to hepatitis C	2013	2.1398	1.8577	2.4127
Global	Both	Liver cancer due to hepatitis C	2014	1.8220	1.5841	2.0418
Global	Female	Liver cancer due to hepatitis C	2014	1.5655	1.3490	1.7524
Global	Male	Liver cancer due to hepatitis C	2014	2.1360	1.8472	2.4252
Global	Both	Liver cancer due to hepatitis C	2015	1.8210	1.5666	2.0487
Global	Female	Liver cancer due to hepatitis C	2015	1.5625	1.3411	1.7578
Global	Male	Liver cancer due to hepatitis C	2015	2.1384	1.8463	2.4148
Global	Both	Liver cancer due to hepatitis C	2016	1.8095	1.5604	2.0391
Global	Female	Liver cancer due to hepatitis C	2016	1.5556	1.3363	1.7430
Global	Male	Liver cancer due to hepatitis C	2016	2.1219	1.8302	2.4284
Global	Both	Liver cancer due to hepatitis C	2017	1.7936	1.5494	2.0305
Global	Female	Liver cancer due to hepatitis C	2017	1.5431	1.3252	1.7424
Global	Male	Liver cancer due to hepatitis C	2017	2.1022	1.8109	2.4048
Global	Both	Liver cancer due to hepatitis C	2018	1.7871	1.5451	2.0308
Global	Female	Liver cancer due to hepatitis C	2018	1.5388	1.3039	1.7440
Global	Male	Liver cancer due to hepatitis C	2018	2.0920	1.7849	2.4210
Global	Both	Liver cancer due to hepatitis C	2019	1.7840	1.5276	2.0351
Global	Female	Liver cancer due to hepatitis C	2019	1.5363	1.2879	1.7508
Global	Male	Liver cancer due to hepatitis C	2019	2.0876	1.7720	2.4126

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to hepatitis C	1990	2.0800	1.8893	2.2766
High SDI	Both	Liver cancer due to hepatitis C	1991	2.1630	1.9701	2.3637
High SDI	Both	Liver cancer due to hepatitis C	1992	2.2676	2.0685	2.4730
High SDI	Both	Liver cancer due to hepatitis C	1993	2.3856	2.1712	2.6085
High SDI	Both	Liver cancer due to hepatitis C	1994	2.5092	2.2879	2.7362
High SDI	Both	Liver cancer due to hepatitis C	1995	2.6957	2.4560	2.9328
High SDI	Both	Liver cancer due to hepatitis C	1996	2.8184	2.5754	3.0683
High SDI	Both	Liver cancer due to hepatitis C	1997	2.9221	2.6691	3.1713
High SDI	Both	Liver cancer due to hepatitis C	1998	3.0478	2.7716	3.3090
High SDI	Both	Liver cancer due to hepatitis C	1999	3.1250	2.8358	3.3934
High SDI	Both	Liver cancer due to hepatitis C	2000	3.1346	2.8432	3.4090
High SDI	Both	Liver cancer due to hepatitis C	2001	3.1055	2.8192	3.3781
High SDI	Both	Liver cancer due to hepatitis C	2002	3.0688	2.7857	3.3437
High SDI	Both	Liver cancer due to hepatitis C	2003	3.0700	2.7741	3.3462
High SDI	Both	Liver cancer due to hepatitis C	2004	3.0413	2.7394	3.3205
High SDI	Both	Liver cancer due to hepatitis C	2005	3.0150	2.7113	3.2914
High SDI	Both	Liver cancer due to hepatitis C	2006	2.9747	2.6699	3.2587
High SDI	Both	Liver cancer due to hepatitis C	2007	2.9320	2.6237	3.2196
High SDI	Both	Liver cancer due to hepatitis C	2008	2.8758	2.5602	3.1625
High SDI	Both	Liver cancer due to hepatitis C	2009	2.8099	2.4894	3.0968
High SDI	Both	Liver cancer due to hepatitis C	2010	2.7610	2.4442	3.0491
High SDI	Both	Liver cancer due to hepatitis C	2011	2.7187	2.3929	3.0038
High SDI	Both	Liver cancer due to hepatitis C	2012	2.6706	2.3538	2.9554
High SDI	Both	Liver cancer due to hepatitis C	2013	2.6185	2.3045	2.9036
High SDI	Both	Liver cancer due to hepatitis C	2014	2.5712	2.2597	2.8588
High SDI	Both	Liver cancer due to hepatitis C	2015	2.5406	2.2287	2.8280
High SDI	Both	Liver cancer due to hepatitis C	2016	2.5174	2.2045	2.8043
High SDI	Both	Liver cancer due to hepatitis C	2017	2.4873	2.1710	2.7779
High SDI	Both	Liver cancer due to hepatitis C	2018	2.4900	2.1746	2.7870
High SDI	Both	Liver cancer due to hepatitis C	2019	2.4848	2.1608	2.7834
High-middle SDI	Both	Liver cancer due to hepatitis C	1990	2.2596	1.9449	2.5895
High-middle SDI	Both	Liver cancer due to hepatitis C	1991	2.3185	2.0042	2.6640
High-middle SDI	Both	Liver cancer due to hepatitis C	1992	2.3638	2.0623	2.6906
High-middle SDI	Both	Liver cancer due to hepatitis C	1993	2.4095	2.1078	2.7201
High-middle SDI	Both	Liver cancer due to hepatitis C	1994	2.4388	2.1299	2.7497
High-middle SDI	Both	Liver cancer due to hepatitis C	1995	2.4425	2.1316	2.7323
High-middle SDI	Both	Liver cancer due to hepatitis C	1996	2.4344	2.1335	2.7266
High-middle SDI	Both	Liver cancer due to hepatitis C	1997	2.3984	2.1065	2.6774
High-middle SDI	Both	Liver cancer due to hepatitis C	1998	2.3529	2.0636	2.6192
High-middle SDI	Both	Liver cancer due to hepatitis C	1999	2.3077	2.0386	2.5724
High-middle SDI	Both	Liver cancer due to hepatitis C	2000	2.2022	1.9353	2.4591
High-middle SDI	Both	Liver cancer due to hepatitis C	2001	2.0376	1.7902	2.2837
High-middle SDI	Both	Liver cancer due to hepatitis C	2002	1.8436	1.6179	2.0793
High-middle SDI	Both	Liver cancer due to hepatitis C	2003	1.6714	1.4572	1.8727
High-middle SDI	Both	Liver cancer due to hepatitis C	2004	1.5468	1.3563	1.7437
High-middle SDI	Both	Liver cancer due to hepatitis C	2005	1.4951	1.3085	1.6803
High-middle SDI	Both	Liver cancer due to hepatitis C	2006	1.4685	1.2826	1.6486
High-middle SDI	Both	Liver cancer due to hepatitis C	2007	1.4495	1.2672	1.6308
High-middle SDI	Both	Liver cancer due to hepatitis C	2008	1.4626	1.2788	1.6429
High-middle SDI	Both	Liver cancer due to hepatitis C	2009	1.4347	1.2612	1.6108

High-middle SDI	Both	Liver cancer due to hepatitis C	2010	1.4085	1.2323	1.5841
High-middle SDI	Both	Liver cancer due to hepatitis C	2011	1.3719	1.1974	1.5544
High-middle SDI	Both	Liver cancer due to hepatitis C	2012	1.3466	1.1746	1.5178
High-middle SDI	Both	Liver cancer due to hepatitis C	2013	1.3343	1.1620	1.4950
High-middle SDI	Both	Liver cancer due to hepatitis C	2014	1.3362	1.1671	1.5046
High-middle SDI	Both	Liver cancer due to hepatitis C	2015	1.3361	1.1493	1.5088
High-middle SDI	Both	Liver cancer due to hepatitis C	2016	1.3205	1.1480	1.4964
High-middle SDI	Both	Liver cancer due to hepatitis C	2017	1.3105	1.1291	1.4901
High-middle SDI	Both	Liver cancer due to hepatitis C	2018	1.3049	1.1231	1.4878
High-middle SDI	Both	Liver cancer due to hepatitis C	2019	1.3086	1.1228	1.4998
Low SDI	Both	Liver cancer due to hepatitis C	1990	1.3254	1.0140	1.6468
Low SDI	Both	Liver cancer due to hepatitis C	1991	1.3276	1.0274	1.6395
Low SDI	Both	Liver cancer due to hepatitis C	1992	1.3337	1.0291	1.6417
Low SDI	Both	Liver cancer due to hepatitis C	1993	1.3384	1.0405	1.6409
Low SDI	Both	Liver cancer due to hepatitis C	1994	1.3415	1.0506	1.6451
Low SDI	Both	Liver cancer due to hepatitis C	1995	1.3451	1.0413	1.6384
Low SDI	Both	Liver cancer due to hepatitis C	1996	1.3453	1.0471	1.6332
Low SDI	Both	Liver cancer due to hepatitis C	1997	1.3447	1.0583	1.6341
Low SDI	Both	Liver cancer due to hepatitis C	1998	1.3389	1.0445	1.6291
Low SDI	Both	Liver cancer due to hepatitis C	1999	1.3300	1.0441	1.6187
Low SDI	Both	Liver cancer due to hepatitis C	2000	1.3263	1.0447	1.6070
Low SDI	Both	Liver cancer due to hepatitis C	2001	1.3146	1.0466	1.5850
Low SDI	Both	Liver cancer due to hepatitis C	2002	1.3095	1.0376	1.5812
Low SDI	Both	Liver cancer due to hepatitis C	2003	1.3063	1.0386	1.5743
Low SDI	Both	Liver cancer due to hepatitis C	2004	1.2985	1.0282	1.5636
Low SDI	Both	Liver cancer due to hepatitis C	2005	1.2914	1.0230	1.5478
Low SDI	Both	Liver cancer due to hepatitis C	2006	1.2780	1.0169	1.5314
Low SDI	Both	Liver cancer due to hepatitis C	2007	1.2648	1.0026	1.5181
Low SDI	Both	Liver cancer due to hepatitis C	2008	1.2597	0.9949	1.5065
Low SDI	Both	Liver cancer due to hepatitis C	2009	1.2509	0.9950	1.4989
Low SDI	Both	Liver cancer due to hepatitis C	2010	1.2440	0.9922	1.4820
Low SDI	Both	Liver cancer due to hepatitis C	2011	1.2336	0.9813	1.4651
Low SDI	Both	Liver cancer due to hepatitis C	2012	1.2222	0.9783	1.4567
Low SDI	Both	Liver cancer due to hepatitis C	2013	1.2183	0.9817	1.4698
Low SDI	Both	Liver cancer due to hepatitis C	2014	1.2045	0.9602	1.4467
Low SDI	Both	Liver cancer due to hepatitis C	2015	1.1970	0.9622	1.4416
Low SDI	Both	Liver cancer due to hepatitis C	2016	1.1891	0.9478	1.4268
Low SDI	Both	Liver cancer due to hepatitis C	2017	1.1847	0.9453	1.4252
Low SDI	Both	Liver cancer due to hepatitis C	2018	1.1828	0.9434	1.4314
Low SDI	Both	Liver cancer due to hepatitis C	2019	1.1764	0.9355	1.4071
Low-middle SDI	Both	Liver cancer due to hepatitis C	1990	1.3379	1.0935	1.5943
Low-middle SDI	Both	Liver cancer due to hepatitis C	1991	1.3414	1.0926	1.5936
Low-middle SDI	Both	Liver cancer due to hepatitis C	1992	1.3509	1.1056	1.6000
Low-middle SDI	Both	Liver cancer due to hepatitis C	1993	1.3601	1.1071	1.6047
Low-middle SDI	Both	Liver cancer due to hepatitis C	1994	1.3602	1.1037	1.6178
Low-middle SDI	Both	Liver cancer due to hepatitis C	1995	1.3521	1.0920	1.5929
Low-middle SDI	Both	Liver cancer due to hepatitis C	1996	1.3429	1.0973	1.5815
Low-middle SDI	Both	Liver cancer due to hepatitis C	1997	1.3344	1.0890	1.5639
Low-middle SDI	Both	Liver cancer due to hepatitis C	1998	1.3143	1.0764	1.5427
Low-middle SDI	Both	Liver cancer due to hepatitis C	1999	1.2886	1.0526	1.5173
Low-middle SDI	Both	Liver cancer due to hepatitis C	2000	1.2604	1.0295	1.4818
Low-middle SDI	Both	Liver cancer due to hepatitis C	2001	1.2301	1.0094	1.4403
Low-middle SDI	Both	Liver cancer due to hepatitis C	2002	1.2041	0.9899	1.4151

Low-middle SDI	Both	Liver cancer due to hepatitis C	2003	1.1668	0.9576	1.3808
Low-middle SDI	Both	Liver cancer due to hepatitis C	2004	1.1341	0.9210	1.3420
Low-middle SDI	Both	Liver cancer due to hepatitis C	2005	1.1292	0.9163	1.3277
Low-middle SDI	Both	Liver cancer due to hepatitis C	2006	1.1271	0.9205	1.3326
Low-middle SDI	Both	Liver cancer due to hepatitis C	2007	1.1201	0.9159	1.3138
Low-middle SDI	Both	Liver cancer due to hepatitis C	2008	1.1203	0.9185	1.3161
Low-middle SDI	Both	Liver cancer due to hepatitis C	2009	1.1076	0.9008	1.3017
Low-middle SDI	Both	Liver cancer due to hepatitis C	2010	1.1041	0.9021	1.2895
Low-middle SDI	Both	Liver cancer due to hepatitis C	2011	1.0997	0.8939	1.2941
Low-middle SDI	Both	Liver cancer due to hepatitis C	2012	1.0923	0.8952	1.2811
Low-middle SDI	Both	Liver cancer due to hepatitis C	2013	1.1021	0.9036	1.2924
Low-middle SDI	Both	Liver cancer due to hepatitis C	2014	1.1102	0.9153	1.2939
Low-middle SDI	Both	Liver cancer due to hepatitis C	2015	1.1223	0.9200	1.3079
Low-middle SDI	Both	Liver cancer due to hepatitis C	2016	1.1291	0.9260	1.3269
Low-middle SDI	Both	Liver cancer due to hepatitis C	2017	1.1396	0.9372	1.3334
Low-middle SDI	Both	Liver cancer due to hepatitis C	2018	1.1457	0.9372	1.3557
Low-middle SDI	Both	Liver cancer due to hepatitis C	2019	1.1458	0.9301	1.3532
Middle SDI	Both	Liver cancer due to hepatitis C	1990	3.3173	2.8310	3.8724
Middle SDI	Both	Liver cancer due to hepatitis C	1991	3.3517	2.8639	3.9036
Middle SDI	Both	Liver cancer due to hepatitis C	1992	3.3671	2.8819	3.8670
Middle SDI	Both	Liver cancer due to hepatitis C	1993	3.4000	2.9221	3.8971
Middle SDI	Both	Liver cancer due to hepatitis C	1994	3.4227	2.9525	3.9047
Middle SDI	Both	Liver cancer due to hepatitis C	1995	3.4158	2.9783	3.8730
Middle SDI	Both	Liver cancer due to hepatitis C	1996	3.3996	2.9771	3.8402
Middle SDI	Both	Liver cancer due to hepatitis C	1997	3.3263	2.9202	3.7260
Middle SDI	Both	Liver cancer due to hepatitis C	1998	3.2460	2.8327	3.6457
Middle SDI	Both	Liver cancer due to hepatitis C	1999	3.1532	2.7493	3.5334
Middle SDI	Both	Liver cancer due to hepatitis C	2000	2.9702	2.6076	3.3395
Middle SDI	Both	Liver cancer due to hepatitis C	2001	2.7280	2.3883	3.0776
Middle SDI	Both	Liver cancer due to hepatitis C	2002	2.4688	2.1662	2.7762
Middle SDI	Both	Liver cancer due to hepatitis C	2003	2.2531	1.9860	2.5241
Middle SDI	Both	Liver cancer due to hepatitis C	2004	2.0942	1.8403	2.3699
Middle SDI	Both	Liver cancer due to hepatitis C	2005	2.0210	1.7699	2.2692
Middle SDI	Both	Liver cancer due to hepatitis C	2006	1.9936	1.7388	2.2457
Middle SDI	Both	Liver cancer due to hepatitis C	2007	1.9671	1.7157	2.2120
Middle SDI	Both	Liver cancer due to hepatitis C	2008	1.9734	1.7121	2.2198
Middle SDI	Both	Liver cancer due to hepatitis C	2009	1.9839	1.7222	2.2498
Middle SDI	Both	Liver cancer due to hepatitis C	2010	1.9641	1.7018	2.2345
Middle SDI	Both	Liver cancer due to hepatitis C	2011	1.9490	1.6774	2.2233
Middle SDI	Both	Liver cancer due to hepatitis C	2012	1.9414	1.6641	2.2110
Middle SDI	Both	Liver cancer due to hepatitis C	2013	1.9527	1.6741	2.2105
Middle SDI	Both	Liver cancer due to hepatitis C	2014	1.9779	1.7049	2.2540
Middle SDI	Both	Liver cancer due to hepatitis C	2015	1.9957	1.7044	2.2856
Middle SDI	Both	Liver cancer due to hepatitis C	2016	1.9887	1.6922	2.3083
Middle SDI	Both	Liver cancer due to hepatitis C	2017	1.9686	1.6652	2.2916
Middle SDI	Both	Liver cancer due to hepatitis C	2018	1.9511	1.6439	2.2930
Middle SDI	Both	Liver cancer due to hepatitis C	2019	1.9478	1.6111	2.3187

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to hepatitis C	2019	4.1330	2.9091	5.7225
Albania	Both	Liver cancer due to hepatitis C	2019	1.8473	1.1928	2.7266
Algeria	Both	Liver cancer due to hepatitis C	2019	0.8936	0.6377	1.2149
American Samoa	Both	Liver cancer due to hepatitis C	2019	1.5317	1.0482	2.0763
Andorra	Both	Liver cancer due to hepatitis C	2019	3.5121	2.3268	4.9667
Angola	Both	Liver cancer due to hepatitis C	2019	1.2571	0.9286	1.6511
Antigua and Barbuda	Both	Liver cancer due to hepatitis C	2019	0.7063	0.4885	0.9806
Argentina	Both	Liver cancer due to hepatitis C	2019	0.7683	0.5685	0.9756
Armenia	Both	Liver cancer due to hepatitis C	2019	2.7775	1.9969	3.6220
Australia	Both	Liver cancer due to hepatitis C	2019	1.3718	1.0035	1.7790
Austria	Both	Liver cancer due to hepatitis C	2019	1.3690	0.9939	1.8466
Azerbaijan	Both	Liver cancer due to hepatitis C	2019	1.7206	1.1261	2.5762
Bahamas	Both	Liver cancer due to hepatitis C	2019	0.7240	0.4832	1.0010
Bahrain	Both	Liver cancer due to hepatitis C	2019	2.2542	1.6043	2.9643
Bangladesh	Both	Liver cancer due to hepatitis C	2019	1.2387	0.8883	1.6148
Barbados	Both	Liver cancer due to hepatitis C	2019	0.6423	0.4367	0.9094
Belarus	Both	Liver cancer due to hepatitis C	2019	0.6081	0.3983	0.8719
Belgium	Both	Liver cancer due to hepatitis C	2019	1.4233	1.0722	1.8050
Belize	Both	Liver cancer due to hepatitis C	2019	0.7374	0.4982	1.0217
Benin	Both	Liver cancer due to hepatitis C	2019	1.0845	0.7066	1.5227
Bermuda	Both	Liver cancer due to hepatitis C	2019	0.4462	0.2907	0.6365
Bhutan	Both	Liver cancer due to hepatitis C	2019	1.1229	0.7027	1.7304
Bolivia (Plurinational State of)	Both	Liver cancer due to hepatitis C	2019	0.4677	0.2705	0.7540
Bosnia and Herzegovina	Both	Liver cancer due to hepatitis C	2019	2.5017	1.7352	3.5036
Botswana	Both	Liver cancer due to hepatitis C	2019	0.4580	0.3027	0.6450
Brazil	Both	Liver cancer due to hepatitis C	2019	1.0358	0.9059	1.1543
Brunei Darussalam	Both	Liver cancer due to hepatitis C	2019	4.3869	3.2402	5.7067
Bulgaria	Both	Liver cancer due to hepatitis C	2019	1.0475	0.6948	1.5144
Burkina Faso	Both	Liver cancer due to hepatitis C	2019	0.6817	0.4513	0.9355
Burundi	Both	Liver cancer due to hepatitis C	2019	0.8066	0.4979	1.2157
Cabo Verde	Both	Liver cancer due to hepatitis C	2019	2.5596	1.6816	3.6281
Cambodia	Both	Liver cancer due to hepatitis C	2019	3.9163	2.8447	5.0788
Cameroon	Both	Liver cancer due to hepatitis C	2019	0.1230	0.0789	0.1772
Canada	Both	Liver cancer due to hepatitis C	2019	0.7307	0.5042	1.0184
Central African Republic	Both	Liver cancer due to hepatitis C	2019	1.6226	1.0073	2.3697
Chad	Both	Liver cancer due to hepatitis C	2019	1.2116	0.7716	1.7241
Chile	Both	Liver cancer due to hepatitis C	2019	1.0995	0.7957	1.4205
China	Both	Liver cancer due to hepatitis C	2019	1.7549	1.4511	2.0680
Colombia	Both	Liver cancer due to hepatitis C	2019	1.0153	0.6881	1.4119
Comoros	Both	Liver cancer due to hepatitis C	2019	0.8552	0.5442	1.3051
Congo	Both	Liver cancer due to hepatitis C	2019	1.5505	1.0796	2.1853
Cook Islands	Both	Liver cancer due to hepatitis C	2019	2.3904	1.6076	3.3432
Costa Rica	Both	Liver cancer due to hepatitis C	2019	1.9886	1.3514	2.7245
Côte d'Ivoire	Both	Liver cancer due to hepatitis C	2019	0.9615	0.6152	1.4237
Croatia	Both	Liver cancer due to hepatitis C	2019	0.6657	0.4339	0.9568
Cuba	Both	Liver cancer due to hepatitis C	2019	0.5647	0.3725	0.8011
Cyprus	Both	Liver cancer due to hepatitis C	2019	1.4030	1.0478	1.7866
Czechia	Both	Liver cancer due to hepatitis C	2019	0.6868	0.4542	0.9827
Democratic People's Republic of Korea	Both	Liver cancer due to hepatitis C	2019	2.4376	1.5995	3.4143
Democratic Republic of the Congo	Both	Liver cancer due to hepatitis C	2019	1.1745	0.8485	1.5501
Denmark	Both	Liver cancer due to hepatitis C	2019	1.1512	0.8537	1.4904
Djibouti	Both	Liver cancer due to hepatitis C	2019	0.9168	0.5714	1.4681
Dominica	Both	Liver cancer due to hepatitis C	2019	0.7860	0.5208	1.1072
Dominican Republic	Both	Liver cancer due to hepatitis C	2019	1.1184	0.7168	1.7156
Ecuador	Both	Liver cancer due to hepatitis C	2019	0.3475	0.2138	0.5154
Egypt	Both	Liver cancer due to hepatitis C	2019	14.0509	9.8272	19.7067
El Salvador	Both	Liver cancer due to hepatitis C	2019	0.8377	0.5654	1.1789
Equatorial Guinea	Both	Liver cancer due to hepatitis C	2019	1.6148	0.9269	2.4702
Eritrea	Both	Liver cancer due to hepatitis C	2019	0.9798	0.6161	1.4388

Estonia	Both	Liver cancer due to hepatitis C	2019	0.9096	0.5889	1.2888
Eswatini	Both	Liver cancer due to hepatitis C	2019	4.4620	1.6408	8.1713
Ethiopia	Both	Liver cancer due to hepatitis C	2019	1.2131	0.9507	1.5493
Fiji	Both	Liver cancer due to hepatitis C	2019	1.5004	1.0152	2.1381
Finland	Both	Liver cancer due to hepatitis C	2019	1.5219	1.1276	1.9435
France	Both	Liver cancer due to hepatitis C	2019	2.4494	1.8367	3.1096
Gabon	Both	Liver cancer due to hepatitis C	2019	1.7656	1.1485	2.5902
Gambia	Both	Liver cancer due to hepatitis C	2019	6.0416	3.8299	8.8862
Georgia	Both	Liver cancer due to hepatitis C	2019	1.1586	0.8342	1.5366
Germany	Both	Liver cancer due to hepatitis C	2019	1.1660	0.8661	1.4917
Ghana	Both	Liver cancer due to hepatitis C	2019	1.0169	0.6603	1.4640
Greece	Both	Liver cancer due to hepatitis C	2019	0.5850	0.4081	0.8007
Greenland	Both	Liver cancer due to hepatitis C	2019	1.7423	1.1525	2.5175
Grenada	Both	Liver cancer due to hepatitis C	2019	0.7278	0.4991	0.9987
Guam	Both	Liver cancer due to hepatitis C	2019	0.9628	0.6302	1.3985
Guatemala	Both	Liver cancer due to hepatitis C	2019	2.1333	1.5545	2.8482
Guinea	Both	Liver cancer due to hepatitis C	2019	6.0364	3.6704	8.8975
Guinea-Bissau	Both	Liver cancer due to hepatitis C	2019	1.3611	0.8396	2.0870
Guyana	Both	Liver cancer due to hepatitis C	2019	0.7534	0.4852	1.0620
Haiti	Both	Liver cancer due to hepatitis C	2019	1.1003	0.6019	1.7287
Honduras	Both	Liver cancer due to hepatitis C	2019	6.8196	2.8185	10.8461
Hungary	Both	Liver cancer due to hepatitis C	2019	0.6434	0.4285	0.8983
Iceland	Both	Liver cancer due to hepatitis C	2019	1.0293	0.7597	1.3533
India	Both	Liver cancer due to hepatitis C	2019	0.6145	0.4737	0.7674
Indonesia	Both	Liver cancer due to hepatitis C	2019	1.2205	1.0164	1.3938
Iran (Islamic Republic of)	Both	Liver cancer due to hepatitis C	2019	1.1195	0.9447	1.3134
Iraq	Both	Liver cancer due to hepatitis C	2019	2.4291	1.6988	3.3094
Ireland	Both	Liver cancer due to hepatitis C	2019	1.3137	0.9857	1.6839
Israel	Both	Liver cancer due to hepatitis C	2019	1.2542	0.9657	1.5624
Italy	Both	Liver cancer due to hepatitis C	2019	2.6610	2.3395	2.9328
Jamaica	Both	Liver cancer due to hepatitis C	2019	0.6527	0.4315	0.9414
Japan	Both	Liver cancer due to hepatitis C	2019	6.0838	5.2962	6.6258
Jordan	Both	Liver cancer due to hepatitis C	2019	0.8793	0.6086	1.1873
Kazakhstan	Both	Liver cancer due to hepatitis C	2019	2.3006	1.6232	3.0537
Kenya	Both	Liver cancer due to hepatitis C	2019	0.8602	0.5833	1.2253
Kiribati	Both	Liver cancer due to hepatitis C	2019	2.9973	1.9324	4.3323
Kuwait	Both	Liver cancer due to hepatitis C	2019	0.8901	0.6290	1.1991
Kyrgyzstan	Both	Liver cancer due to hepatitis C	2019	1.0574	0.7661	1.3662
Lao People's Democratic Republic	Both	Liver cancer due to hepatitis C	2019	1.9753	1.3118	2.7458
Latvia	Both	Liver cancer due to hepatitis C	2019	0.6881	0.4649	0.9475
Lebanon	Both	Liver cancer due to hepatitis C	2019	0.7000	0.4354	1.1063
Lesotho	Both	Liver cancer due to hepatitis C	2019	3.9702	1.9057	6.4943
Liberia	Both	Liver cancer due to hepatitis C	2019	1.0934	0.6688	1.6355
Libya	Both	Liver cancer due to hepatitis C	2019	1.8348	1.2050	2.6606
Lithuania	Both	Liver cancer due to hepatitis C	2019	0.7331	0.4803	0.9995
Luxembourg	Both	Liver cancer due to hepatitis C	2019	1.3729	0.9760	1.8767
Madagascar	Both	Liver cancer due to hepatitis C	2019	0.6920	0.4456	1.0527
Malawi	Both	Liver cancer due to hepatitis C	2019	0.7737	0.5168	1.0700
Malaysia	Both	Liver cancer due to hepatitis C	2019	1.1194	0.7281	1.6531
Maldives	Both	Liver cancer due to hepatitis C	2019	1.5780	1.0404	2.2049
Mali	Both	Liver cancer due to hepatitis C	2019	5.2776	3.5593	7.2244
Malta	Both	Liver cancer due to hepatitis C	2019	0.8538	0.6321	1.1035
Marshall Islands	Both	Liver cancer due to hepatitis C	2019	2.4705	1.5201	3.6452
Mauritania	Both	Liver cancer due to hepatitis C	2019	0.9441	0.6073	1.3606
Mauritius	Both	Liver cancer due to hepatitis C	2019	0.5854	0.3904	0.8286
Mexico	Both	Liver cancer due to hepatitis C	2019	1.5630	1.3100	1.8557
Micronesia (Federated States of)	Both	Liver cancer due to hepatitis C	2019	2.5276	1.5354	3.7880
Monaco	Both	Liver cancer due to hepatitis C	2019	2.9291	2.0620	3.9321
Mongolia	Both	Liver cancer due to hepatitis C	2019	40.3072	28.5816	53.2751
Montenegro	Both	Liver cancer due to hepatitis C	2019	1.5550	1.0667	2.1823
Morocco	Both	Liver cancer due to hepatitis C	2019	0.8840	0.6002	1.1884
Mozambique	Both	Liver cancer due to hepatitis C	2019	0.7231	0.4462	1.0684
Myanmar	Both	Liver cancer due to hepatitis C	2019	1.4630	1.0229	1.9275

Namibia	Both	Liver cancer due to hepatitis C	2019	1.0502	0.7098	1.4363
Nauru	Both	Liver cancer due to hepatitis C	2019	2.1782	1.3827	3.2834
Nepal	Both	Liver cancer due to hepatitis C	2019	0.8665	0.5825	1.3009
Netherlands	Both	Liver cancer due to hepatitis C	2019	0.9209	0.6854	1.1727
New Zealand	Both	Liver cancer due to hepatitis C	2019	1.1068	0.9513	1.2701
Nicaragua	Both	Liver cancer due to hepatitis C	2019	1.7216	1.2692	2.2463
Niger	Both	Liver cancer due to hepatitis C	2019	0.1428	0.0904	0.2014
Nigeria	Both	Liver cancer due to hepatitis C	2019	0.8552	0.6615	1.0725
Niue	Both	Liver cancer due to hepatitis C	2019	1.6556	1.0850	2.4032
North Macedonia	Both	Liver cancer due to hepatitis C	2019	2.5466	1.7286	3.5521
Northern Mariana Islands	Both	Liver cancer due to hepatitis C	2019	1.5367	0.9998	2.1263
Norway	Both	Liver cancer due to hepatitis C	2019	0.9870	0.8466	1.1339
Oman	Both	Liver cancer due to hepatitis C	2019	1.7618	1.2294	2.3032
Pakistan	Both	Liver cancer due to hepatitis C	2019	1.9445	1.4774	2.4963
Palau	Both	Liver cancer due to hepatitis C	2019	1.6926	1.1089	2.3806
Palestine	Both	Liver cancer due to hepatitis C	2019	2.8921	2.1278	3.7505
Panama	Both	Liver cancer due to hepatitis C	2019	1.1292	0.7677	1.5908
Papua New Guinea	Both	Liver cancer due to hepatitis C	2019	0.5093	0.3357	0.7292
Paraguay	Both	Liver cancer due to hepatitis C	2019	0.8529	0.5814	1.1713
Peru	Both	Liver cancer due to hepatitis C	2019	0.2169	0.1307	0.3418
Philippines	Both	Liver cancer due to hepatitis C	2019	1.5615	1.2569	1.9213
Poland	Both	Liver cancer due to hepatitis C	2019	0.5115	0.4051	0.6248
Portugal	Both	Liver cancer due to hepatitis C	2019	1.6339	1.2064	2.0879
Puerto Rico	Both	Liver cancer due to hepatitis C	2019	0.6171	0.3965	0.9066
Qatar	Both	Liver cancer due to hepatitis C	2019	6.4759	4.4057	9.0408
Republic of Korea	Both	Liver cancer due to hepatitis C	2019	3.0835	2.1828	4.0402
Republic of Moldova	Both	Liver cancer due to hepatitis C	2019	0.5680	0.3908	0.7881
Romania	Both	Liver cancer due to hepatitis C	2019	0.7394	0.5023	1.0323
Russian Federation	Both	Liver cancer due to hepatitis C	2019	0.8024	0.6641	0.9659
Rwanda	Both	Liver cancer due to hepatitis C	2019	1.1928	0.8229	1.6682
Saint Kitts and Nevis	Both	Liver cancer due to hepatitis C	2019	0.9267	0.6218	1.2760
Saint Lucia	Both	Liver cancer due to hepatitis C	2019	0.5088	0.3453	0.7156
Saint Vincent and the Grenadines	Both	Liver cancer due to hepatitis C	2019	0.6726	0.4621	0.9312
Samoa	Both	Liver cancer due to hepatitis C	2019	1.0679	0.6905	1.5486
San Marino	Both	Liver cancer due to hepatitis C	2019	1.0047	0.6069	1.5300
Sao Tome and Principe	Both	Liver cancer due to hepatitis C	2019	0.5315	0.3193	0.8205
Saudi Arabia	Both	Liver cancer due to hepatitis C	2019	1.9698	1.3586	2.7053
Senegal	Both	Liver cancer due to hepatitis C	2019	0.2291	0.1356	0.3484
Serbia	Both	Liver cancer due to hepatitis C	2019	1.8668	1.2965	2.5604
Seychelles	Both	Liver cancer due to hepatitis C	2019	1.4393	0.9950	1.9283
Sierra Leone	Both	Liver cancer due to hepatitis C	2019	1.0484	0.6610	1.5104
Singapore	Both	Liver cancer due to hepatitis C	2019	2.6468	1.7687	3.5519
Slovakia	Both	Liver cancer due to hepatitis C	2019	0.8247	0.5420	1.1777
Slovenia	Both	Liver cancer due to hepatitis C	2019	1.3337	0.8580	1.9005
Solomon Islands	Both	Liver cancer due to hepatitis C	2019	1.2652	0.8560	1.7532
Somalia	Both	Liver cancer due to hepatitis C	2019	0.9941	0.5914	1.7621
South Africa	Both	Liver cancer due to hepatitis C	2019	1.7032	1.4533	2.0368
South Sudan	Both	Liver cancer due to hepatitis C	2019	0.7785	0.4374	1.2968
Spain	Both	Liver cancer due to hepatitis C	2019	2.7020	2.1019	3.3022
Sri Lanka	Both	Liver cancer due to hepatitis C	2019	0.7710	0.5049	1.1181
Sudan	Both	Liver cancer due to hepatitis C	2019	1.2408	0.7165	1.9573
Suriname	Both	Liver cancer due to hepatitis C	2019	0.6310	0.4265	0.8968
Sweden	Both	Liver cancer due to hepatitis C	2019	1.0825	0.9072	1.2665
Switzerland	Both	Liver cancer due to hepatitis C	2019	1.5802	1.1477	2.0772
Syrian Arab Republic	Both	Liver cancer due to hepatitis C	2019	1.7524	1.2165	2.3973
Taiwan (Province of China)	Both	Liver cancer due to hepatitis C	2019	2.6020	1.8064	3.5638
Tajikistan	Both	Liver cancer due to hepatitis C	2019	2.0975	1.5652	2.7515
Thailand	Both	Liver cancer due to hepatitis C	2019	4.3033	2.7305	6.3627
Timor-Leste	Both	Liver cancer due to hepatitis C	2019	1.9436	1.2657	2.8077
Togo	Both	Liver cancer due to hepatitis C	2019	1.1332	0.7404	1.5969
Tokelau	Both	Liver cancer due to hepatitis C	2019	1.7807	1.1763	2.5330
Tonga	Both	Liver cancer due to hepatitis C	2019	5.1510	3.2802	7.5047
Trinidad and Tobago	Both	Liver cancer due to hepatitis C	2019	0.6324	0.4034	0.9172



Tunisia	Both	Liver cancer due to hepatitis C	2019	0.8937	0.5954	1.2975
Turkey	Both	Liver cancer due to hepatitis C	2019	0.8563	0.5812	1.1419
Turkmenistan	Both	Liver cancer due to hepatitis C	2019	1.7926	1.1858	2.4431
Tuvalu	Both	Liver cancer due to hepatitis C	2019	2.0687	1.3011	3.0040
Uganda	Both	Liver cancer due to hepatitis C	2019	1.4604	0.9836	2.0424
Ukraine	Both	Liver cancer due to hepatitis C	2019	0.7311	0.5965	0.8859
United Arab Emirates	Both	Liver cancer due to hepatitis C	2019	1.6986	0.6729	4.2572
United Kingdom	Both	Liver cancer due to hepatitis C	2019	1.5456	1.3644	1.7309
United Republic of Tanzania	Both	Liver cancer due to hepatitis C	2019	0.6160	0.4160	0.8388
United States of America	Both	Liver cancer due to hepatitis C	2019	1.6331	1.4032	1.8688
United States Virgin Islands	Both	Liver cancer due to hepatitis C	2019	0.5788	0.3901	0.7866
Uruguay	Both	Liver cancer due to hepatitis C	2019	0.8470	0.6122	1.0976
Uzbekistan	Both	Liver cancer due to hepatitis C	2019	2.4783	1.8026	3.2617
Vanuatu	Both	Liver cancer due to hepatitis C	2019	2.1200	1.2746	3.1507
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to hepatitis C	2019	0.9012	0.6223	1.2533
Viet Nam	Both	Liver cancer due to hepatitis C	2019	0.7222	0.4293	1.1146
Yemen	Both	Liver cancer due to hepatitis C	2019	1.6592	1.1296	2.3258
Zambia	Both	Liver cancer due to hepatitis C	2019	0.7476	0.5052	1.0373
Zimbabwe	Both	Liver cancer due to hepatitis C	2019	5.3600	3.6483	7.5729

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to alcohol use	1990	1.9489	1.5830	2.3751
Global	Female	Liver cancer due to alcohol use	1990	0.5582	0.4313	0.6982
Global	Both	Liver cancer due to alcohol use	1990	1.1971	0.9644	1.4677
Global	Male	Liver cancer due to alcohol use	1991	2.0079	1.6399	2.4218
Global	Female	Liver cancer due to alcohol use	1991	0.5658	0.4409	0.7040
Global	Both	Liver cancer due to alcohol use	1991	1.2296	0.9979	1.4963
Global	Male	Liver cancer due to alcohol use	1992	2.0595	1.6897	2.4718
Global	Female	Liver cancer due to alcohol use	1992	0.5713	0.4472	0.7120
Global	Both	Liver cancer due to alcohol use	1992	1.2576	1.0221	1.5210
Global	Male	Liver cancer due to alcohol use	1993	2.1025	1.7397	2.5334
Global	Female	Liver cancer due to alcohol use	1993	0.5751	0.4513	0.7178
Global	Both	Liver cancer due to alcohol use	1993	1.2806	1.0521	1.5570
Global	Male	Liver cancer due to alcohol use	1994	2.1364	1.7706	2.5646
Global	Female	Liver cancer due to alcohol use	1994	0.5775	0.4528	0.7167
Global	Both	Liver cancer due to alcohol use	1994	1.2986	1.0693	1.5674
Global	Male	Liver cancer due to alcohol use	1995	2.1592	1.7821	2.5987
Global	Female	Liver cancer due to alcohol use	1995	0.5782	0.4537	0.7217
Global	Both	Liver cancer due to alcohol use	1995	1.3102	1.0758	1.5797
Global	Male	Liver cancer due to alcohol use	1996	2.1737	1.8046	2.5931
Global	Female	Liver cancer due to alcohol use	1996	0.5764	0.4531	0.7145
Global	Both	Liver cancer due to alcohol use	1996	1.3165	1.0845	1.5873
Global	Male	Liver cancer due to alcohol use	1997	2.1823	1.8144	2.5843
Global	Female	Liver cancer due to alcohol use	1997	0.5716	0.4507	0.7089
Global	Both	Liver cancer due to alcohol use	1997	1.3181	1.0886	1.5803
Global	Male	Liver cancer due to alcohol use	1998	2.1843	1.8249	2.5873
Global	Female	Liver cancer due to alcohol use	1998	0.5645	0.4459	0.7008
Global	Both	Liver cancer due to alcohol use	1998	1.3153	1.0891	1.5734
Global	Male	Liver cancer due to alcohol use	1999	2.1800	1.8112	2.5885
Global	Female	Liver cancer due to alcohol use	1999	0.5561	0.4355	0.6919
Global	Both	Liver cancer due to alcohol use	1999	1.3088	1.0839	1.5698
Global	Male	Liver cancer due to alcohol use	2000	2.1692	1.8022	2.5808
Global	Female	Liver cancer due to alcohol use	2000	0.5466	0.4267	0.6763
Global	Both	Liver cancer due to alcohol use	2000	1.2988	1.0764	1.5569
Global	Male	Liver cancer due to alcohol use	2001	2.1346	1.7764	2.5333
Global	Female	Liver cancer due to alcohol use	2001	0.5312	0.4191	0.6571
Global	Both	Liver cancer due to alcohol use	2001	1.2744	1.0554	1.5277
Global	Male	Liver cancer due to alcohol use	2002	2.0718	1.7305	2.4539
Global	Female	Liver cancer due to alcohol use	2002	0.5080	0.4023	0.6231
Global	Both	Liver cancer due to alcohol use	2002	1.2325	1.0185	1.4695
Global	Male	Liver cancer due to alcohol use	2003	2.0008	1.6727	2.3607
Global	Female	Liver cancer due to alcohol use	2003	0.4829	0.3805	0.5937
Global	Both	Liver cancer due to alcohol use	2003	1.1858	0.9815	1.4118
Global	Male	Liver cancer due to alcohol use	2004	1.9426	1.6261	2.2873
Global	Female	Liver cancer due to alcohol use	2004	0.4622	0.3630	0.5685
Global	Both	Liver cancer due to alcohol use	2004	1.1476	0.9491	1.3621
Global	Male	Liver cancer due to alcohol use	2005	1.9194	1.6083	2.2630
Global	Female	Liver cancer due to alcohol use	2005	0.4519	0.3542	0.5557
Global	Both	Liver cancer due to alcohol use	2005	1.1316	0.9355	1.3422
Global	Male	Liver cancer due to alcohol use	2006	1.9243	1.6140	2.2620
Global	Female	Liver cancer due to alcohol use	2006	0.4500	0.3539	0.5516

Global	Both	Liver cancer due to alcohol use	2006	1.1333	0.9366	1.3409
Global	Male	Liver cancer due to alcohol use	2007	1.9357	1.6274	2.2691
Global	Female	Liver cancer due to alcohol use	2007	0.4495	0.3548	0.5512
Global	Both	Liver cancer due to alcohol use	2007	1.1390	0.9435	1.3443
Global	Male	Liver cancer due to alcohol use	2008	1.9494	1.6369	2.2810
Global	Female	Liver cancer due to alcohol use	2008	0.4498	0.3559	0.5518
Global	Both	Liver cancer due to alcohol use	2008	1.1461	0.9512	1.3590
Global	Male	Liver cancer due to alcohol use	2009	1.9616	1.6487	2.2931
Global	Female	Liver cancer due to alcohol use	2009	0.4502	0.3569	0.5530
Global	Both	Liver cancer due to alcohol use	2009	1.1524	0.9582	1.3665
Global	Male	Liver cancer due to alcohol use	2010	1.9700	1.6535	2.3019
Global	Female	Liver cancer due to alcohol use	2010	0.4501	0.3569	0.5554
Global	Both	Liver cancer due to alcohol use	2010	1.1566	0.9615	1.3724
Global	Male	Liver cancer due to alcohol use	2011	1.9757	1.6621	2.3065
Global	Female	Liver cancer due to alcohol use	2011	0.4499	0.3570	0.5566
Global	Both	Liver cancer due to alcohol use	2011	1.1594	0.9643	1.3734
Global	Male	Liver cancer due to alcohol use	2012	1.9843	1.6670	2.3164
Global	Female	Liver cancer due to alcohol use	2012	0.4503	0.3574	0.5557
Global	Both	Liver cancer due to alcohol use	2012	1.1638	0.9668	1.3763
Global	Male	Liver cancer due to alcohol use	2013	1.9939	1.6699	2.3292
Global	Female	Liver cancer due to alcohol use	2013	0.4507	0.3577	0.5571
Global	Both	Liver cancer due to alcohol use	2013	1.1687	0.9682	1.3821
Global	Male	Liver cancer due to alcohol use	2014	2.0032	1.6720	2.3331
Global	Female	Liver cancer due to alcohol use	2014	0.4508	0.3553	0.5573
Global	Both	Liver cancer due to alcohol use	2014	1.1733	0.9659	1.3863
Global	Male	Liver cancer due to alcohol use	2015	2.0113	1.6783	2.3553
Global	Female	Liver cancer due to alcohol use	2015	0.4503	0.3524	0.5597
Global	Both	Liver cancer due to alcohol use	2015	1.1771	0.9701	1.3912
Global	Male	Liver cancer due to alcohol use	2016	2.0217	1.6880	2.3704
Global	Female	Liver cancer due to alcohol use	2016	0.4471	0.3515	0.5546
Global	Both	Liver cancer due to alcohol use	2016	1.1809	0.9790	1.3994
Global	Male	Liver cancer due to alcohol use	2017	2.0312	1.6718	2.4127
Global	Female	Liver cancer due to alcohol use	2017	0.4446	0.3481	0.5564
Global	Both	Liver cancer due to alcohol use	2017	1.1846	0.9745	1.4170
Global	Male	Liver cancer due to alcohol use	2018	2.0348	1.6711	2.4218
Global	Female	Liver cancer due to alcohol use	2018	0.4465	0.3478	0.5577
Global	Both	Liver cancer due to alcohol use	2018	1.1877	0.9716	1.4264
Global	Male	Liver cancer due to alcohol use	2019	2.0371	1.6472	2.4624
Global	Female	Liver cancer due to alcohol use	2019	0.4514	0.3470	0.5718
Global	Both	Liver cancer due to alcohol use	2019	1.1919	0.9589	1.4515

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to alcohol use	1990	1.1378	0.9566	1.3229
High SDI	Both	Liver cancer due to alcohol use	1991	1.1853	0.9982	1.3736
High SDI	Both	Liver cancer due to alcohol use	1992	1.2335	1.0397	1.4253
High SDI	Both	Liver cancer due to alcohol use	1993	1.2794	1.0798	1.4746
High SDI	Both	Liver cancer due to alcohol use	1994	1.3218	1.1186	1.5226
High SDI	Both	Liver cancer due to alcohol use	1995	1.3590	1.1505	1.5687
High SDI	Both	Liver cancer due to alcohol use	1996	1.4029	1.1895	1.6166
High SDI	Both	Liver cancer due to alcohol use	1997	1.4608	1.2396	1.6829
High SDI	Both	Liver cancer due to alcohol use	1998	1.5222	1.2909	1.7608
High SDI	Both	Liver cancer due to alcohol use	1999	1.5783	1.3381	1.8322
High SDI	Both	Liver cancer due to alcohol use	2000	1.6193	1.3735	1.8812
High SDI	Both	Liver cancer due to alcohol use	2001	1.6469	1.3974	1.9098
High SDI	Both	Liver cancer due to alcohol use	2002	1.6708	1.4173	1.9372
High SDI	Both	Liver cancer due to alcohol use	2003	1.6908	1.4382	1.9603
High SDI	Both	Liver cancer due to alcohol use	2004	1.7090	1.4515	1.9814
High SDI	Both	Liver cancer due to alcohol use	2005	1.7260	1.4663	2.0007
High SDI	Both	Liver cancer due to alcohol use	2006	1.7442	1.4840	2.0238
High SDI	Both	Liver cancer due to alcohol use	2007	1.7633	1.5024	2.0421
High SDI	Both	Liver cancer due to alcohol use	2008	1.7803	1.5155	2.0561
High SDI	Both	Liver cancer due to alcohol use	2009	1.7947	1.5264	2.0697
High SDI	Both	Liver cancer due to alcohol use	2010	1.8034	1.5310	2.0787
High SDI	Both	Liver cancer due to alcohol use	2011	1.8073	1.5309	2.0856
High SDI	Both	Liver cancer due to alcohol use	2012	1.8085	1.5319	2.0810
High SDI	Both	Liver cancer due to alcohol use	2013	1.8079	1.5326	2.0779
High SDI	Both	Liver cancer due to alcohol use	2014	1.8079	1.5324	2.0813
High SDI	Both	Liver cancer due to alcohol use	2015	1.8094	1.5241	2.0893
High SDI	Both	Liver cancer due to alcohol use	2016	1.8102	1.5137	2.0954
High SDI	Both	Liver cancer due to alcohol use	2017	1.8145	1.5045	2.1217
High SDI	Both	Liver cancer due to alcohol use	2018	1.8316	1.5123	2.1556
High SDI	Both	Liver cancer due to alcohol use	2019	1.8604	1.5123	2.2353
High-middle SDI	Both	Liver cancer due to alcohol use	1990	1.2843	1.0401	1.5623
High-middle SDI	Both	Liver cancer due to alcohol use	1991	1.3213	1.0769	1.6025
High-middle SDI	Both	Liver cancer due to alcohol use	1992	1.3511	1.1062	1.6340
High-middle SDI	Both	Liver cancer due to alcohol use	1993	1.3733	1.1260	1.6558
High-middle SDI	Both	Liver cancer due to alcohol use	1994	1.3880	1.1359	1.6704
High-middle SDI	Both	Liver cancer due to alcohol use	1995	1.3934	1.1421	1.6835
High-middle SDI	Both	Liver cancer due to alcohol use	1996	1.3863	1.1365	1.6683
High-middle SDI	Both	Liver cancer due to alcohol use	1997	1.3654	1.1227	1.6287
High-middle SDI	Both	Liver cancer due to alcohol use	1998	1.3359	1.0966	1.5938
High-middle SDI	Both	Liver cancer due to alcohol use	1999	1.3043	1.0668	1.5578
High-middle SDI	Both	Liver cancer due to alcohol use	2000	1.2749	1.0444	1.5264
High-middle SDI	Both	Liver cancer due to alcohol use	2001	1.2296	1.0050	1.4638
High-middle SDI	Both	Liver cancer due to alcohol use	2002	1.1569	0.9514	1.3740
High-middle SDI	Both	Liver cancer due to alcohol use	2003	1.0766	0.8844	1.2738
High-middle SDI	Both	Liver cancer due to alcohol use	2004	1.0097	0.8323	1.1918
High-middle SDI	Both	Liver cancer due to alcohol use	2005	0.9773	0.8090	1.1509
High-middle SDI	Both	Liver cancer due to alcohol use	2006	0.9721	0.8045	1.1441
High-middle SDI	Both	Liver cancer due to alcohol use	2007	0.9712	0.8053	1.1416
High-middle SDI	Both	Liver cancer due to alcohol use	2008	0.9731	0.8077	1.1435
High-middle SDI	Both	Liver cancer due to alcohol use	2009	0.9753	0.8138	1.1492
High-middle SDI	Both	Liver cancer due to alcohol use	2010	0.9765	0.8153	1.1494
High-middle SDI	Both	Liver cancer due to alcohol use	2011	0.9745	0.8157	1.1455
High-middle SDI	Both	Liver cancer due to alcohol use	2012	0.9713	0.8124	1.1374

High-middle SDI	Both	Liver cancer due to alcohol use	2013	0.9673	0.8074	1.1304
High-middle SDI	Both	Liver cancer due to alcohol use	2014	0.9629	0.7987	1.1249
High-middle SDI	Both	Liver cancer due to alcohol use	2015	0.9592	0.7926	1.1242
High-middle SDI	Both	Liver cancer due to alcohol use	2016	0.9503	0.7912	1.1209
High-middle SDI	Both	Liver cancer due to alcohol use	2017	0.9408	0.7809	1.1261
High-middle SDI	Both	Liver cancer due to alcohol use	2018	0.9361	0.7730	1.1128
High-middle SDI	Both	Liver cancer due to alcohol use	2019	0.9334	0.7506	1.1308
Low SDI	Both	Liver cancer due to alcohol use	1990	0.7996	0.5965	1.0511
Low SDI	Both	Liver cancer due to alcohol use	1991	0.7199	0.5446	0.9372
Low SDI	Both	Liver cancer due to alcohol use	1992	0.7259	0.5530	0.9385
Low SDI	Both	Liver cancer due to alcohol use	1993	0.7300	0.5569	0.9425
Low SDI	Both	Liver cancer due to alcohol use	1994	0.7335	0.5566	0.9499
Low SDI	Both	Liver cancer due to alcohol use	1995	0.7362	0.5572	0.9578
Low SDI	Both	Liver cancer due to alcohol use	1996	0.7390	0.5604	0.9582
Low SDI	Both	Liver cancer due to alcohol use	1997	0.7414	0.5643	0.9587
Low SDI	Both	Liver cancer due to alcohol use	1998	0.7426	0.5687	0.9595
Low SDI	Both	Liver cancer due to alcohol use	1999	0.7428	0.5688	0.9589
Low SDI	Both	Liver cancer due to alcohol use	2000	0.7413	0.5693	0.9545
Low SDI	Both	Liver cancer due to alcohol use	2001	0.7382	0.5688	0.9471
Low SDI	Both	Liver cancer due to alcohol use	2002	0.7343	0.5679	0.9392
Low SDI	Both	Liver cancer due to alcohol use	2003	0.7302	0.5661	0.9289
Low SDI	Both	Liver cancer due to alcohol use	2004	0.7262	0.5603	0.9191
Low SDI	Both	Liver cancer due to alcohol use	2005	0.7228	0.5547	0.9132
Low SDI	Both	Liver cancer due to alcohol use	2006	0.7201	0.5536	0.9083
Low SDI	Both	Liver cancer due to alcohol use	2007	0.7172	0.5491	0.9061
Low SDI	Both	Liver cancer due to alcohol use	2008	0.7513	0.5729	0.9468
Low SDI	Both	Liver cancer due to alcohol use	2009	0.7492	0.5727	0.9461
Low SDI	Both	Liver cancer due to alcohol use	2010	0.7473	0.5692	0.9462
Low SDI	Both	Liver cancer due to alcohol use	2011	0.7457	0.5668	0.9414
Low SDI	Both	Liver cancer due to alcohol use	2012	0.7444	0.5637	0.9377
Low SDI	Both	Liver cancer due to alcohol use	2013	0.7428	0.5624	0.9405
Low SDI	Both	Liver cancer due to alcohol use	2014	0.7412	0.5623	0.9446
Low SDI	Both	Liver cancer due to alcohol use	2015	0.7393	0.5597	0.9506
Low SDI	Both	Liver cancer due to alcohol use	2016	0.7390	0.5606	0.9401
Low SDI	Both	Liver cancer due to alcohol use	2017	0.7391	0.5544	0.9414
Low SDI	Both	Liver cancer due to alcohol use	2018	0.7368	0.5565	0.9319
Low SDI	Both	Liver cancer due to alcohol use	2019	0.7328	0.5473	0.9363
Low-middle SDI	Both	Liver cancer due to alcohol use	1990	0.8251	0.6475	1.0390
Low-middle SDI	Both	Liver cancer due to alcohol use	1991	0.8218	0.6429	1.0329
Low-middle SDI	Both	Liver cancer due to alcohol use	1992	0.8298	0.6495	1.0402
Low-middle SDI	Both	Liver cancer due to alcohol use	1993	0.8356	0.6527	1.0423
Low-middle SDI	Both	Liver cancer due to alcohol use	1994	0.8392	0.6536	1.0515
Low-middle SDI	Both	Liver cancer due to alcohol use	1995	0.8402	0.6525	1.0519
Low-middle SDI	Both	Liver cancer due to alcohol use	1996	0.8384	0.6550	1.0489
Low-middle SDI	Both	Liver cancer due to alcohol use	1997	0.8331	0.6524	1.0379
Low-middle SDI	Both	Liver cancer due to alcohol use	1998	0.8254	0.6437	1.0248
Low-middle SDI	Both	Liver cancer due to alcohol use	1999	0.8161	0.6407	1.0170
Low-middle SDI	Both	Liver cancer due to alcohol use	2000	0.8061	0.6357	1.0007
Low-middle SDI	Both	Liver cancer due to alcohol use	2001	0.7923	0.6241	0.9826
Low-middle SDI	Both	Liver cancer due to alcohol use	2002	0.7732	0.6098	0.9559
Low-middle SDI	Both	Liver cancer due to alcohol use	2003	0.7535	0.5932	0.9299
Low-middle SDI	Both	Liver cancer due to alcohol use	2004	0.7376	0.5787	0.9085
Low-middle SDI	Both	Liver cancer due to alcohol use	2005	0.7300	0.5717	0.8982
Low-middle SDI	Both	Liver cancer due to alcohol use	2006	0.7294	0.5729	0.8956
Low-middle SDI	Both	Liver cancer due to alcohol use	2007	0.7300	0.5772	0.8936
Low-middle SDI	Both	Liver cancer due to alcohol use	2008	0.7319	0.5798	0.8978
Low-middle SDI	Both	Liver cancer due to alcohol use	2009	0.7341	0.5821	0.8964

Low-middle SDI	Both	Liver cancer due to alcohol use	2010	0.7362	0.5869	0.8985
Low-middle SDI	Both	Liver cancer due to alcohol use	2011	0.7400	0.5938	0.9043
Low-middle SDI	Both	Liver cancer due to alcohol use	2012	0.7461	0.6028	0.9091
Low-middle SDI	Both	Liver cancer due to alcohol use	2013	0.7537	0.6096	0.9147
Low-middle SDI	Both	Liver cancer due to alcohol use	2014	0.7614	0.6135	0.9230
Low-middle SDI	Both	Liver cancer due to alcohol use	2015	0.7685	0.6179	0.9307
Low-middle SDI	Both	Liver cancer due to alcohol use	2016	0.7833	0.6295	0.9538
Low-middle SDI	Both	Liver cancer due to alcohol use	2017	0.7970	0.6343	0.9756
Low-middle SDI	Both	Liver cancer due to alcohol use	2018	0.8007	0.6349	0.9782
Low-middle SDI	Both	Liver cancer due to alcohol use	2019	0.8004	0.6351	0.9882
Middle SDI	Both	Liver cancer due to alcohol use	1990	1.4695	1.1320	1.8912
Middle SDI	Both	Liver cancer due to alcohol use	1991	1.3183	1.0243	1.6639
Middle SDI	Both	Liver cancer due to alcohol use	1992	1.3406	1.0495	1.6843
Middle SDI	Both	Liver cancer due to alcohol use	1993	1.3511	1.0585	1.6980
Middle SDI	Both	Liver cancer due to alcohol use	1994	1.3632	1.0728	1.7065
Middle SDI	Both	Liver cancer due to alcohol use	1995	1.3670	1.0740	1.7189
Middle SDI	Both	Liver cancer due to alcohol use	1996	1.3576	1.0749	1.6969
Middle SDI	Both	Liver cancer due to alcohol use	1997	1.3391	1.0668	1.6676
Middle SDI	Both	Liver cancer due to alcohol use	1998	1.3127	1.0464	1.6259
Middle SDI	Both	Liver cancer due to alcohol use	1999	1.2826	1.0216	1.6006
Middle SDI	Both	Liver cancer due to alcohol use	2000	1.2532	1.0001	1.5665
Middle SDI	Both	Liver cancer due to alcohol use	2001	1.2061	0.9631	1.5122
Middle SDI	Both	Liver cancer due to alcohol use	2002	1.1376	0.9098	1.4175
Middle SDI	Both	Liver cancer due to alcohol use	2003	1.0603	0.8452	1.3158
Middle SDI	Both	Liver cancer due to alcohol use	2004	0.9982	0.7891	1.2343
Middle SDI	Both	Liver cancer due to alcohol use	2005	0.9670	0.7646	1.1916
Middle SDI	Both	Liver cancer due to alcohol use	2006	0.9684	0.7666	1.1920
Middle SDI	Both	Liver cancer due to alcohol use	2007	0.9808	0.7794	1.2069
Middle SDI	Both	Liver cancer due to alcohol use	2008	0.9908	0.7897	1.2218
Middle SDI	Both	Liver cancer due to alcohol use	2009	1.0003	0.7965	1.2330
Middle SDI	Both	Liver cancer due to alcohol use	2010	1.0073	0.7991	1.2488
Middle SDI	Both	Liver cancer due to alcohol use	2011	1.0159	0.8086	1.2548
Middle SDI	Both	Liver cancer due to alcohol use	2012	1.0283	0.8224	1.2692
Middle SDI	Both	Liver cancer due to alcohol use	2013	1.0428	0.8293	1.2868
Middle SDI	Both	Liver cancer due to alcohol use	2014	1.0570	0.8326	1.3046
Middle SDI	Both	Liver cancer due to alcohol use	2015	1.0692	0.8391	1.3212
Middle SDI	Both	Liver cancer due to alcohol use	2016	1.0845	0.8524	1.3409
Middle SDI	Both	Liver cancer due to alcohol use	2017	1.0982	0.8590	1.3726
Middle SDI	Both	Liver cancer due to alcohol use	2018	1.1033	0.8573	1.3786
Middle SDI	Both	Liver cancer due to alcohol use	2019	1.1058	0.8489	1.4014

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to alcohol use	2019	0.8264	0.4990	1.2623
Albania	Both	Liver cancer due to alcohol use	2019	2.4353	1.5330	3.5809
Algeria	Both	Liver cancer due to alcohol use	2019	0.2232	0.1312	0.3385
American Samoa	Both	Liver cancer due to alcohol use	2019	0.7565	0.4771	1.1295
Andorra	Both	Liver cancer due to alcohol use	2019	4.3726	2.8646	6.1287
Angola	Both	Liver cancer due to alcohol use	2019	0.4106	0.2615	0.6062
Antigua and Barbuda	Both	Liver cancer due to alcohol use	2019	0.9462	0.6742	1.2753
Argentina	Both	Liver cancer due to alcohol use	2019	0.6759	0.4465	0.9411
Armenia	Both	Liver cancer due to alcohol use	2019	1.9439	1.3516	2.6554
Australia	Both	Liver cancer due to alcohol use	2019	1.7807	1.2142	2.5039
Austria	Both	Liver cancer due to alcohol use	2019	2.9385	2.1425	3.8992
Azerbaijan	Both	Liver cancer due to alcohol use	2019	1.0834	0.6646	1.6486
Bahamas	Both	Liver cancer due to alcohol use	2019	1.0446	0.7218	1.4397
Bahrain	Both	Liver cancer due to alcohol use	2019	0.5345	0.3191	0.8251
Bangladesh	Both	Liver cancer due to alcohol use	2019	0.5414	0.3334	0.7932
Barbados	Both	Liver cancer due to alcohol use	2019	0.9487	0.6694	1.2598
Belarus	Both	Liver cancer due to alcohol use	2019	1.0371	0.6658	1.5344
Belgium	Both	Liver cancer due to alcohol use	2019	1.6741	1.1285	2.3333
Belize	Both	Liver cancer due to alcohol use	2019	1.0582	0.7659	1.3844
Benin	Both	Liver cancer due to alcohol use	2019	0.9275	0.5799	1.4484
Bermuda	Both	Liver cancer due to alcohol use	2019	0.7974	0.5688	1.0675
Bhutan	Both	Liver cancer due to alcohol use	2019	0.8710	0.5105	1.3873
Bolivia (Plurinational State of)	Both	Liver cancer due to alcohol use	2019	1.4155	0.9220	2.0492
Bosnia and Herzegovina	Both	Liver cancer due to alcohol use	2019	2.5925	1.7806	3.5868
Botswana	Both	Liver cancer due to alcohol use	2019	0.3129	0.1923	0.4821
Brazil	Both	Liver cancer due to alcohol use	2019	0.7205	0.6249	0.8143
Brunei Darussalam	Both	Liver cancer due to alcohol use	2019	1.0813	0.6721	1.5961
Bulgaria	Both	Liver cancer due to alcohol use	2019	2.0230	1.4646	2.7520
Burkina Faso	Both	Liver cancer due to alcohol use	2019	0.3663	0.2280	0.5342
Burundi	Both	Liver cancer due to alcohol use	2019	0.8309	0.4754	1.4723
Cabo Verde	Both	Liver cancer due to alcohol use	2019	2.2322	1.4969	3.0680
Cambodia	Both	Liver cancer due to alcohol use	2019	1.5185	0.9740	2.1934
Cameroon	Both	Liver cancer due to alcohol use	2019	0.1377	0.0853	0.2143
Canada	Both	Liver cancer due to alcohol use	2019	2.6384	1.8523	3.5266
Central African Republic	Both	Liver cancer due to alcohol use	2019	0.5049	0.2828	0.8651
Chad	Both	Liver cancer due to alcohol use	2019	0.8546	0.5186	1.3039
Chile	Both	Liver cancer due to alcohol use	2019	0.9336	0.6110	1.3178
China	Both	Liver cancer due to alcohol use	2019	0.9218	0.6920	1.2189
Colombia	Both	Liver cancer due to alcohol use	2019	0.7971	0.5287	1.1536
Comoros	Both	Liver cancer due to alcohol use	2019	0.5628	0.3142	1.0874
Congo	Both	Liver cancer due to alcohol use	2019	0.4841	0.2953	0.7424
Cook Islands	Both	Liver cancer due to alcohol use	2019	1.8397	1.1831	2.6784
Costa Rica	Both	Liver cancer due to alcohol use	2019	1.7759	1.1963	2.5255
Côte d'Ivoire	Both	Liver cancer due to alcohol use	2019	1.0014	0.6159	1.5501
Croatia	Both	Liver cancer due to alcohol use	2019	1.7478	1.2227	2.3498
Cuba	Both	Liver cancer due to alcohol use	2019	0.8665	0.5936	1.1949
Cyprus	Both	Liver cancer due to alcohol use	2019	1.3601	0.9684	1.8078
Czechia	Both	Liver cancer due to alcohol use	2019	1.4287	1.0492	1.8739
Democratic People's Republic of Korea	Both	Liver cancer due to alcohol use	2019	0.8212	0.4756	1.3046
Democratic Republic of the Congo	Both	Liver cancer due to alcohol use	2019	0.2784	0.1675	0.4222
Denmark	Both	Liver cancer due to alcohol use	2019	1.5774	1.0633	2.2261
Djibouti	Both	Liver cancer due to alcohol use	2019	0.7798	0.4198	1.4920
Dominica	Both	Liver cancer due to alcohol use	2019	1.1494	0.7860	1.5937
Dominican Republic	Both	Liver cancer due to alcohol use	2019	1.6298	0.9726	2.7563
Ecuador	Both	Liver cancer due to alcohol use	2019	1.0114	0.6783	1.4484
Egypt	Both	Liver cancer due to alcohol use	2019	1.7873	0.9867	3.0695
El Salvador	Both	Liver cancer due to alcohol use	2019	0.6264	0.4027	0.9079
Equatorial Guinea	Both	Liver cancer due to alcohol use	2019	0.5721	0.2902	0.9535
Eritrea	Both	Liver cancer due to alcohol use	2019	0.6976	0.3946	1.1750
Estonia	Both	Liver cancer due to alcohol use	2019	1.6669	1.1812	2.2307
Eswatini	Both	Liver cancer due to alcohol use	2019	4.3844	1.0896	8.9310
Ethiopia	Both	Liver cancer due to alcohol use	2019	0.6292	0.4680	0.8495
Fiji	Both	Liver cancer due to alcohol use	2019	0.8072	0.4874	1.2618
Finland	Both	Liver cancer due to alcohol use	2019	2.1134	1.4439	2.9189

France	Both	Liver cancer due to alcohol use	2019	2.2723	1.4769	3.3166
Gabon	Both	Liver cancer due to alcohol use	2019	0.6006	0.3221	1.0413
Gambia	Both	Liver cancer due to alcohol use	2019	7.3702	4.2540	11.1712
Georgia	Both	Liver cancer due to alcohol use	2019	1.1813	0.8270	1.5950
Germany	Both	Liver cancer due to alcohol use	2019	2.4173	1.7395	3.2978
Ghana	Both	Liver cancer due to alcohol use	2019	1.2727	0.8249	1.8534
Greece	Both	Liver cancer due to alcohol use	2019	1.1821	0.8178	1.6700
Greenland	Both	Liver cancer due to alcohol use	2019	2.6362	1.8267	3.6179
Grenada	Both	Liver cancer due to alcohol use	2019	1.1254	0.8317	1.4550
Guam	Both	Liver cancer due to alcohol use	2019	0.7302	0.4486	1.0943
Guatemala	Both	Liver cancer due to alcohol use	2019	1.1255	0.7330	1.6402
Guinea	Both	Liver cancer due to alcohol use	2019	5.7408	3.3173	8.6151
Guinea-Bissau	Both	Liver cancer due to alcohol use	2019	1.0906	0.6696	1.6577
Guyana	Both	Liver cancer due to alcohol use	2019	1.0457	0.7133	1.4603
Haiti	Both	Liver cancer due to alcohol use	2019	1.3706	0.7392	2.3066
Honduras	Both	Liver cancer due to alcohol use	2019	4.2229	1.7526	6.8516
Hungary	Both	Liver cancer due to alcohol use	2019	1.0877	0.7770	1.4470
Iceland	Both	Liver cancer due to alcohol use	2019	1.2938	0.9404	1.6842
India	Both	Liver cancer due to alcohol use	2019	0.7239	0.5715	0.9019
Indonesia	Both	Liver cancer due to alcohol use	2019	0.4011	0.3141	0.5030
Iran (Islamic Republic of)	Both	Liver cancer due to alcohol use	2019	0.4051	0.3030	0.5292
Iraq	Both	Liver cancer due to alcohol use	2019	0.5860	0.3547	0.8923
Ireland	Both	Liver cancer due to alcohol use	2019	1.4819	1.0004	2.0752
Israel	Both	Liver cancer due to alcohol use	2019	0.7842	0.5003	1.1554
Italy	Both	Liver cancer due to alcohol use	2019	1.5955	1.1999	2.0953
Jamaica	Both	Liver cancer due to alcohol use	2019	0.8749	0.5979	1.2113
Japan	Both	Liver cancer due to alcohol use	2019	1.4795	1.1389	1.8755
Jordan	Both	Liver cancer due to alcohol use	2019	0.2675	0.1610	0.4151
Kazakhstan	Both	Liver cancer due to alcohol use	2019	2.0069	1.4311	2.6303
Kenya	Both	Liver cancer due to alcohol use	2019	0.7619	0.4673	1.2070
Kiribati	Both	Liver cancer due to alcohol use	2019	1.1741	0.6961	1.7384
Kuwait	Both	Liver cancer due to alcohol use	2019	0.2795	0.1677	0.4286
Kyrgyzstan	Both	Liver cancer due to alcohol use	2019	0.7677	0.5342	1.0206
Lao People's Democratic Republic	Both	Liver cancer due to alcohol use	2019	1.6007	1.0250	2.3787
Latvia	Both	Liver cancer due to alcohol use	2019	1.1498	0.8415	1.5165
Lebanon	Both	Liver cancer due to alcohol use	2019	0.4389	0.2558	0.7263
Lesotho	Both	Liver cancer due to alcohol use	2019	3.3687	1.1471	5.7111
Liberia	Both	Liver cancer due to alcohol use	2019	0.9308	0.5632	1.5122
Libya	Both	Liver cancer due to alcohol use	2019	0.4944	0.2799	0.8039
Lithuania	Both	Liver cancer due to alcohol use	2019	1.4567	1.0328	1.9003
Luxembourg	Both	Liver cancer due to alcohol use	2019	1.5910	1.0791	2.2185
Madagascar	Both	Liver cancer due to alcohol use	2019	0.5877	0.3198	1.0674
Malawi	Both	Liver cancer due to alcohol use	2019	0.7026	0.4629	0.9989
Malaysia	Both	Liver cancer due to alcohol use	2019	0.8252	0.5041	1.2844
Maldives	Both	Liver cancer due to alcohol use	2019	1.2265	0.8039	1.7938
Mali	Both	Liver cancer due to alcohol use	2019	2.4934	1.5109	3.7716
Malta	Both	Liver cancer due to alcohol use	2019	0.8814	0.6198	1.1764
Marshall Islands	Both	Liver cancer due to alcohol use	2019	1.2953	0.7667	2.0744
Mauritania	Both	Liver cancer due to alcohol use	2019	0.6176	0.3665	0.9494
Mauritius	Both	Liver cancer due to alcohol use	2019	0.4501	0.2854	0.6737
Mexico	Both	Liver cancer due to alcohol use	2019	1.0553	0.8607	1.2812
Micronesia (Federated States of)	Both	Liver cancer due to alcohol use	2019	1.2927	0.7201	2.0299
Monaco	Both	Liver cancer due to alcohol use	2019	3.1955	2.1946	4.4398
Mongolia	Both	Liver cancer due to alcohol use	2019	31.8242	21.3062	44.7199
Montenegro	Both	Liver cancer due to alcohol use	2019	2.4814	1.7635	3.3387
Morocco	Both	Liver cancer due to alcohol use	2019	0.2477	0.1486	0.3830
Mozambique	Both	Liver cancer due to alcohol use	2019	0.9102	0.5235	1.3264
Myanmar	Both	Liver cancer due to alcohol use	2019	0.8301	0.5433	1.1914
Namibia	Both	Liver cancer due to alcohol use	2019	0.8016	0.5074	1.1546
Nauru	Both	Liver cancer due to alcohol use	2019	1.1987	0.6817	1.8510
Nepal	Both	Liver cancer due to alcohol use	2019	0.5805	0.3430	0.9462
Netherlands	Both	Liver cancer due to alcohol use	2019	1.3328	0.9434	1.8205
New Zealand	Both	Liver cancer due to alcohol use	2019	1.8765	1.4573	2.3922
Nicaragua	Both	Liver cancer due to alcohol use	2019	1.1739	0.7942	1.6373
Niger	Both	Liver cancer due to alcohol use	2019	0.0976	0.0584	0.1482
Nigeria	Both	Liver cancer due to alcohol use	2019	0.7338	0.5532	0.9520
Niue	Both	Liver cancer due to alcohol use	2019	1.0217	0.6406	1.5394



North Macedonia	Both	Liver cancer due to alcohol use	2019	3.0624	2.0694	4.3088
Northern Mariana Islands	Both	Liver cancer due to alcohol use	2019	0.9819	0.6278	1.4326
Norway	Both	Liver cancer due to alcohol use	2019	0.9889	0.7637	1.2523
Oman	Both	Liver cancer due to alcohol use	2019	0.5415	0.3448	0.8424
Pakistan	Both	Liver cancer due to alcohol use	2019	0.5239	0.3878	0.7013
Palau	Both	Liver cancer due to alcohol use	2019	1.3608	0.8371	2.0586
Palestine	Both	Liver cancer due to alcohol use	2019	0.6007	0.3716	0.9014
Panama	Both	Liver cancer due to alcohol use	2019	1.0199	0.6771	1.4739
Papua New Guinea	Both	Liver cancer due to alcohol use	2019	0.2144	0.1315	0.3413
Paraguay	Both	Liver cancer due to alcohol use	2019	0.6999	0.4436	1.0061
Peru	Both	Liver cancer due to alcohol use	2019	0.8847	0.5690	1.2564
Philippines	Both	Liver cancer due to alcohol use	2019	1.5164	1.1462	1.9898
Poland	Both	Liver cancer due to alcohol use	2019	0.8639	0.6961	1.0537
Portugal	Both	Liver cancer due to alcohol use	2019	1.9637	1.3431	2.7837
Puerto Rico	Both	Liver cancer due to alcohol use	2019	0.9514	0.6152	1.3724
Qatar	Both	Liver cancer due to alcohol use	2019	1.8910	1.0790	3.0573
Republic of Korea	Both	Liver cancer due to alcohol use	2019	3.9820	2.6034	5.7950
Republic of Moldova	Both	Liver cancer due to alcohol use	2019	1.1162	0.8815	1.3942
Romania	Both	Liver cancer due to alcohol use	2019	1.3413	0.9477	1.7580
Russian Federation	Both	Liver cancer due to alcohol use	2019	1.0601	0.8488	1.3175
Rwanda	Both	Liver cancer due to alcohol use	2019	1.3714	0.9360	1.9564
Saint Kitts and Nevis	Both	Liver cancer due to alcohol use	2019	1.2769	0.9006	1.7630
Saint Lucia	Both	Liver cancer due to alcohol use	2019	0.8424	0.6141	1.1044
Saint Vincent and the Grenadines	Both	Liver cancer due to alcohol use	2019	1.1250	0.8307	1.4452
Samoa	Both	Liver cancer due to alcohol use	2019	0.6537	0.3913	0.9872
San Marino	Both	Liver cancer due to alcohol use	2019	1.2219	0.8041	1.7606
Sao Tome and Principe	Both	Liver cancer due to alcohol use	2019	0.5631	0.3265	0.8654
Saudi Arabia	Both	Liver cancer due to alcohol use	2019	0.4270	0.2531	0.6833
Senegal	Both	Liver cancer due to alcohol use	2019	0.2777	0.1676	0.4126
Serbia	Both	Liver cancer due to alcohol use	2019	2.0191	1.3572	2.7945
Seychelles	Both	Liver cancer due to alcohol use	2019	1.4201	0.9352	1.9970
Sierra Leone	Both	Liver cancer due to alcohol use	2019	0.8615	0.5315	1.3062
Singapore	Both	Liver cancer due to alcohol use	2019	0.9081	0.5324	1.4614
Slovakia	Both	Liver cancer due to alcohol use	2019	1.5300	1.0574	2.0854
Slovenia	Both	Liver cancer due to alcohol use	2019	2.1150	1.4154	3.0085
Solomon Islands	Both	Liver cancer due to alcohol use	2019	0.6229	0.3833	0.9367
Somalia	Both	Liver cancer due to alcohol use	2019	0.6821	0.3680	1.3111
South Africa	Both	Liver cancer due to alcohol use	2019	1.1765	0.9557	1.4223
South Sudan	Both	Liver cancer due to alcohol use	2019	0.6240	0.3064	1.2886
Spain	Both	Liver cancer due to alcohol use	2019	1.7312	1.1168	2.4930
Sri Lanka	Both	Liver cancer due to alcohol use	2019	0.6875	0.4262	1.0518
Sudan	Both	Liver cancer due to alcohol use	2019	0.5303	0.2772	0.9985
Suriname	Both	Liver cancer due to alcohol use	2019	0.9054	0.6406	1.2723
Sweden	Both	Liver cancer due to alcohol use	2019	1.3530	1.0678	1.6855
Switzerland	Both	Liver cancer due to alcohol use	2019	2.3986	1.6056	3.4087
Syrian Arab Republic	Both	Liver cancer due to alcohol use	2019	0.4058	0.2335	0.6428
Taiwan (Province of China)	Both	Liver cancer due to alcohol use	2019	0.7726	0.4618	1.2052
Tajikistan	Both	Liver cancer due to alcohol use	2019	0.8228	0.5262	1.2032
Thailand	Both	Liver cancer due to alcohol use	2019	7.1552	4.6432	10.5569
Timor-Leste	Both	Liver cancer due to alcohol use	2019	1.2409	0.6665	2.0306
Togo	Both	Liver cancer due to alcohol use	2019	0.8834	0.5593	1.3168
Tokelau	Both	Liver cancer due to alcohol use	2019	0.8558	0.4868	1.3128
Tonga	Both	Liver cancer due to alcohol use	2019	3.2258	1.8922	5.0101
Trinidad and Tobago	Both	Liver cancer due to alcohol use	2019	0.8612	0.5581	1.2261
Tunisia	Both	Liver cancer due to alcohol use	2019	0.2173	0.1126	0.3874
Turkey	Both	Liver cancer due to alcohol use	2019	0.4044	0.2512	0.6108
Turkmenistan	Both	Liver cancer due to alcohol use	2019	1.6784	1.1115	2.3829
Tuvalu	Both	Liver cancer due to alcohol use	2019	1.0165	0.5960	1.6132
Uganda	Both	Liver cancer due to alcohol use	2019	1.9662	1.3441	2.7373
Ukraine	Both	Liver cancer due to alcohol use	2019	0.9116	0.7336	1.1180
United Arab Emirates	Both	Liver cancer due to alcohol use	2019	0.5844	0.1928	1.5712
United Kingdom	Both	Liver cancer due to alcohol use	2019	1.8814	1.4697	2.3740
United Republic of Tanzania	Both	Liver cancer due to alcohol use	2019	0.6247	0.4094	0.9075
United States of America	Both	Liver cancer due to alcohol use	2019	1.6627	1.2704	2.1452
United States Virgin Islands	Both	Liver cancer due to alcohol use	2019	0.8602	0.6111	1.1804
Uruguay	Both	Liver cancer due to alcohol use	2019	0.6981	0.4536	0.9975
Uzbekistan	Both	Liver cancer due to alcohol use	2019	1.7796	1.2130	2.4204

Vanuatu	Both	Liver cancer due to alcohol use	2019	1.1649	0.6269	1.9279
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to alcohol use	2019	0.8071	0.5361	1.1470
Viet Nam	Both	Liver cancer due to alcohol use	2019	0.6272	0.3820	0.9177
Yemen	Both	Liver cancer due to alcohol use	2019	0.2212	0.1249	0.3680
Zambia	Both	Liver cancer due to alcohol use	2019	0.7613	0.5062	1.0747
Zimbabwe	Both	Liver cancer due to alcohol use	2019	2.0745	1.2460	3.3755

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to alcohol use	1990	1.9589	1.6179	2.3850
Global	Female	Liver cancer due to alcohol use	1990	0.5703	0.4404	0.7169
Global	Both	Liver cancer due to alcohol use	1990	1.2006	0.9737	1.4637
Global	Male	Liver cancer due to alcohol use	1991	1.9984	1.6240	2.4412
Global	Female	Liver cancer due to alcohol use	1991	0.5751	0.4456	0.7212
Global	Both	Liver cancer due to alcohol use	1991	1.2227	0.9850	1.5013
Global	Male	Liver cancer due to alcohol use	1992	2.0319	1.6653	2.4471
Global	Female	Liver cancer due to alcohol use	1992	0.5801	0.4524	0.7316
Global	Both	Liver cancer due to alcohol use	1992	1.2420	1.0176	1.4998
Global	Male	Liver cancer due to alcohol use	1993	2.0727	1.7006	2.4958
Global	Female	Liver cancer due to alcohol use	1993	0.5842	0.4573	0.7284
Global	Both	Liver cancer due to alcohol use	1993	1.2641	1.0359	1.5327
Global	Male	Liver cancer due to alcohol use	1994	2.1091	1.7479	2.5365
Global	Female	Liver cancer due to alcohol use	1994	0.5856	0.4548	0.7342
Global	Both	Liver cancer due to alcohol use	1994	1.2824	1.0529	1.5497
Global	Male	Liver cancer due to alcohol use	1995	2.1350	1.7628	2.5713
Global	Female	Liver cancer due to alcohol use	1995	0.5839	0.4621	0.7290
Global	Both	Liver cancer due to alcohol use	1995	1.2942	1.0623	1.5632
Global	Male	Liver cancer due to alcohol use	1996	2.1505	1.7889	2.5797
Global	Female	Liver cancer due to alcohol use	1996	0.5814	0.4599	0.7257
Global	Both	Liver cancer due to alcohol use	1996	1.3002	1.0697	1.5641
Global	Male	Liver cancer due to alcohol use	1997	2.1450	1.7908	2.5627
Global	Female	Liver cancer due to alcohol use	1997	0.5748	0.4528	0.7174
Global	Both	Liver cancer due to alcohol use	1997	1.2944	1.0665	1.5619
Global	Male	Liver cancer due to alcohol use	1998	2.1523	1.7798	2.5692
Global	Female	Liver cancer due to alcohol use	1998	0.5675	0.4474	0.6999
Global	Both	Liver cancer due to alcohol use	1998	1.2939	1.0640	1.5549
Global	Male	Liver cancer due to alcohol use	1999	2.1451	1.7690	2.5700
Global	Female	Liver cancer due to alcohol use	1999	0.5612	0.4429	0.6969
Global	Both	Liver cancer due to alcohol use	1999	1.2875	1.0546	1.5563
Global	Male	Liver cancer due to alcohol use	2000	2.1085	1.7605	2.5157
Global	Female	Liver cancer due to alcohol use	2000	0.5450	0.4301	0.6758
Global	Both	Liver cancer due to alcohol use	2000	1.2620	1.0453	1.5214
Global	Male	Liver cancer due to alcohol use	2001	2.0330	1.6921	2.4205
Global	Female	Liver cancer due to alcohol use	2001	0.5178	0.4117	0.6455
Global	Both	Liver cancer due to alcohol use	2001	1.2123	1.0025	1.4543
Global	Male	Liver cancer due to alcohol use	2002	1.9467	1.6146	2.3017
Global	Female	Liver cancer due to alcohol use	2002	0.4931	0.3900	0.6078
Global	Both	Liver cancer due to alcohol use	2002	1.1587	0.9582	1.3883
Global	Male	Liver cancer due to alcohol use	2003	1.8784	1.5651	2.2463
Global	Female	Liver cancer due to alcohol use	2003	0.4696	0.3711	0.5773
Global	Both	Liver cancer due to alcohol use	2003	1.1144	0.9214	1.3384
Global	Male	Liver cancer due to alcohol use	2004	1.8288	1.5301	2.1734
Global	Female	Liver cancer due to alcohol use	2004	0.4511	0.3594	0.5553
Global	Both	Liver cancer due to alcohol use	2004	1.0818	0.8991	1.2975
Global	Male	Liver cancer due to alcohol use	2005	1.8207	1.5231	2.1596
Global	Female	Liver cancer due to alcohol use	2005	0.4446	0.3520	0.5475

Global	Both	Liver cancer due to alcohol use	2005	1.0749	0.8924	1.2821
Global	Male	Liver cancer due to alcohol use	2006	1.8145	1.5175	2.1451
Global	Female	Liver cancer due to alcohol use	2006	0.4431	0.3513	0.5445
Global	Both	Liver cancer due to alcohol use	2006	1.0717	0.8865	1.2769
Global	Male	Liver cancer due to alcohol use	2007	1.8200	1.5277	2.1542
Global	Female	Liver cancer due to alcohol use	2007	0.4416	0.3502	0.5452
Global	Both	Liver cancer due to alcohol use	2007	1.0741	0.8909	1.2769
Global	Male	Liver cancer due to alcohol use	2008	1.8355	1.5305	2.1672
Global	Female	Liver cancer due to alcohol use	2008	0.4438	0.3506	0.5475
Global	Both	Liver cancer due to alcohol use	2008	1.0830	0.8973	1.2908
Global	Male	Liver cancer due to alcohol use	2009	1.8350	1.5324	2.1560
Global	Female	Liver cancer due to alcohol use	2009	0.4403	0.3469	0.5442
Global	Both	Liver cancer due to alcohol use	2009	1.0815	0.8960	1.2791
Global	Male	Liver cancer due to alcohol use	2010	1.8377	1.5349	2.1815
Global	Female	Liver cancer due to alcohol use	2010	0.4388	0.3473	0.5439
Global	Both	Liver cancer due to alcohol use	2010	1.0824	0.8974	1.2904
Global	Male	Liver cancer due to alcohol use	2011	1.8347	1.5366	2.1470
Global	Female	Liver cancer due to alcohol use	2011	0.4360	0.3474	0.5391
Global	Both	Liver cancer due to alcohol use	2011	1.0798	0.8960	1.2800
Global	Male	Liver cancer due to alcohol use	2012	1.8369	1.5332	2.1717
Global	Female	Liver cancer due to alcohol use	2012	0.4327	0.3415	0.5328
Global	Both	Liver cancer due to alcohol use	2012	1.0795	0.8904	1.2842
Global	Male	Liver cancer due to alcohol use	2013	1.8415	1.5391	2.1689
Global	Female	Liver cancer due to alcohol use	2013	0.4334	0.3445	0.5357
Global	Both	Liver cancer due to alcohol use	2013	1.0821	0.8939	1.2872
Global	Male	Liver cancer due to alcohol use	2014	1.8475	1.5291	2.1692
Global	Female	Liver cancer due to alcohol use	2014	0.4353	0.3410	0.5389
Global	Both	Liver cancer due to alcohol use	2014	1.0863	0.8945	1.2869
Global	Male	Liver cancer due to alcohol use	2015	1.8662	1.5577	2.2014
Global	Female	Liver cancer due to alcohol use	2015	0.4375	0.3440	0.5453
Global	Both	Liver cancer due to alcohol use	2015	1.0965	0.9056	1.3043
Global	Male	Liver cancer due to alcohol use	2016	1.8784	1.5644	2.2252
Global	Female	Liver cancer due to alcohol use	2016	0.4351	0.3441	0.5387
Global	Both	Liver cancer due to alcohol use	2016	1.1016	0.9092	1.3190
Global	Male	Liver cancer due to alcohol use	2017	1.8831	1.5665	2.2258
Global	Female	Liver cancer due to alcohol use	2017	0.4307	0.3375	0.5348
Global	Both	Liver cancer due to alcohol use	2017	1.1021	0.9087	1.3087
Global	Male	Liver cancer due to alcohol use	2018	1.8793	1.5433	2.2282
Global	Female	Liver cancer due to alcohol use	2018	0.4314	0.3334	0.5426
Global	Both	Liver cancer due to alcohol use	2018	1.1012	0.8948	1.3162
Global	Male	Liver cancer due to alcohol use	2019	1.8807	1.5279	2.2746
Global	Female	Liver cancer due to alcohol use	2019	0.4354	0.3303	0.5499
Global	Both	Liver cancer due to alcohol use	2019	1.1045	0.8925	1.3287

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to alcohol use	1990	1.0393	0.8685	1.2099
High SDI	Both	Liver cancer due to alcohol use	1991	1.0584	0.8863	1.2287
High SDI	Both	Liver cancer due to alcohol use	1992	1.0832	0.9115	1.2562
High SDI	Both	Liver cancer due to alcohol use	1993	1.1146	0.9378	1.2865
High SDI	Both	Liver cancer due to alcohol use	1994	1.1495	0.9684	1.3287
High SDI	Both	Liver cancer due to alcohol use	1995	1.1947	1.0081	1.3790
High SDI	Both	Liver cancer due to alcohol use	1996	1.2328	1.0392	1.4238
High SDI	Both	Liver cancer due to alcohol use	1997	1.2687	1.0688	1.4661
High SDI	Both	Liver cancer due to alcohol use	1998	1.3195	1.1127	1.5270
High SDI	Both	Liver cancer due to alcohol use	1999	1.3591	1.1460	1.5785
High SDI	Both	Liver cancer due to alcohol use	2000	1.3831	1.1661	1.6124
High SDI	Both	Liver cancer due to alcohol use	2001	1.3891	1.1714	1.6162
High SDI	Both	Liver cancer due to alcohol use	2002	1.3934	1.1763	1.6228
High SDI	Both	Liver cancer due to alcohol use	2003	1.4043	1.1861	1.6375
High SDI	Both	Liver cancer due to alcohol use	2004	1.4053	1.1865	1.6352
High SDI	Both	Liver cancer due to alcohol use	2005	1.4133	1.1944	1.6449
High SDI	Both	Liver cancer due to alcohol use	2006	1.4173	1.1987	1.6446
High SDI	Both	Liver cancer due to alcohol use	2007	1.4271	1.2089	1.6583
High SDI	Both	Liver cancer due to alcohol use	2008	1.4331	1.2080	1.6635
High SDI	Both	Liver cancer due to alcohol use	2009	1.4337	1.2081	1.6623
High SDI	Both	Liver cancer due to alcohol use	2010	1.4350	1.2085	1.6615
High SDI	Both	Liver cancer due to alcohol use	2011	1.4352	1.2042	1.6595
High SDI	Both	Liver cancer due to alcohol use	2012	1.4336	1.2087	1.6586
High SDI	Both	Liver cancer due to alcohol use	2013	1.4299	1.2025	1.6521
High SDI	Both	Liver cancer due to alcohol use	2014	1.4257	1.2034	1.6481
High SDI	Both	Liver cancer due to alcohol use	2015	1.4313	1.2094	1.6532
High SDI	Both	Liver cancer due to alcohol use	2016	1.4330	1.2102	1.6584
High SDI	Both	Liver cancer due to alcohol use	2017	1.4339	1.2009	1.6668
High SDI	Both	Liver cancer due to alcohol use	2018	1.4461	1.2017	1.6861
High SDI	Both	Liver cancer due to alcohol use	2019	1.4674	1.2130	1.7168
High-middle SDI	Both	Liver cancer due to alcohol use	1990	1.3104	1.0686	1.5990
High-middle SDI	Both	Liver cancer due to alcohol use	1991	1.3435	1.0840	1.6411
High-middle SDI	Both	Liver cancer due to alcohol use	1992	1.3675	1.1155	1.6654
High-middle SDI	Both	Liver cancer due to alcohol use	1993	1.3922	1.1411	1.6899
High-middle SDI	Both	Liver cancer due to alcohol use	1994	1.4070	1.1547	1.6954
High-middle SDI	Both	Liver cancer due to alcohol use	1995	1.4022	1.1513	1.7060
High-middle SDI	Both	Liver cancer due to alcohol use	1996	1.3866	1.1398	1.6643
High-middle SDI	Both	Liver cancer due to alcohol use	1997	1.3587	1.1242	1.6361
High-middle SDI	Both	Liver cancer due to alcohol use	1998	1.3328	1.0850	1.6084
High-middle SDI	Both	Liver cancer due to alcohol use	1999	1.3098	1.0705	1.5777
High-middle SDI	Both	Liver cancer due to alcohol use	2000	1.2645	1.0434	1.5199
High-middle SDI	Both	Liver cancer due to alcohol use	2001	1.1874	0.9875	1.4203
High-middle SDI	Both	Liver cancer due to alcohol use	2002	1.0988	0.9012	1.3104
High-middle SDI	Both	Liver cancer due to alcohol use	2003	1.0235	0.8446	1.2193
High-middle SDI	Both	Liver cancer due to alcohol use	2004	0.9708	0.8065	1.1536
High-middle SDI	Both	Liver cancer due to alcohol use	2005	0.9578	0.7923	1.1342
High-middle SDI	Both	Liver cancer due to alcohol use	2006	0.9473	0.7840	1.1171
High-middle SDI	Both	Liver cancer due to alcohol use	2007	0.9484	0.7883	1.1218
High-middle SDI	Both	Liver cancer due to alcohol use	2008	0.9610	0.8018	1.1383
High-middle SDI	Both	Liver cancer due to alcohol use	2009	0.9513	0.7906	1.1190
High-middle SDI	Both	Liver cancer due to alcohol use	2010	0.9440	0.7934	1.1155

High-middle SDI	Both	Liver cancer due to alcohol use	2011	0.9265	0.7731	1.0888
High-middle SDI	Both	Liver cancer due to alcohol use	2012	0.9191	0.7669	1.0850
High-middle SDI	Both	Liver cancer due to alcohol use	2013	0.9123	0.7636	1.0718
High-middle SDI	Both	Liver cancer due to alcohol use	2014	0.9143	0.7651	1.0777
High-middle SDI	Both	Liver cancer due to alcohol use	2015	0.9177	0.7644	1.0786
High-middle SDI	Both	Liver cancer due to alcohol use	2016	0.9101	0.7590	1.0736
High-middle SDI	Both	Liver cancer due to alcohol use	2017	0.8973	0.7480	1.0592
High-middle SDI	Both	Liver cancer due to alcohol use	2018	0.8888	0.7339	1.0553
High-middle SDI	Both	Liver cancer due to alcohol use	2019	0.8857	0.7208	1.0599
Low SDI	Both	Liver cancer due to alcohol use	1990	0.8564	0.6417	1.1228
Low SDI	Both	Liver cancer due to alcohol use	1991	0.8622	0.6456	1.1230
Low SDI	Both	Liver cancer due to alcohol use	1992	0.8687	0.6518	1.1201
Low SDI	Both	Liver cancer due to alcohol use	1993	0.8755	0.6616	1.1390
Low SDI	Both	Liver cancer due to alcohol use	1994	0.8814	0.6671	1.1439
Low SDI	Both	Liver cancer due to alcohol use	1995	0.8871	0.6719	1.1442
Low SDI	Both	Liver cancer due to alcohol use	1996	0.8935	0.6810	1.1605
Low SDI	Both	Liver cancer due to alcohol use	1997	0.9001	0.6852	1.1605
Low SDI	Both	Liver cancer due to alcohol use	1998	0.9002	0.6914	1.1622
Low SDI	Both	Liver cancer due to alcohol use	1999	0.8951	0.6775	1.1545
Low SDI	Both	Liver cancer due to alcohol use	2000	0.8940	0.6805	1.1531
Low SDI	Both	Liver cancer due to alcohol use	2001	0.8881	0.6762	1.1336
Low SDI	Both	Liver cancer due to alcohol use	2002	0.8830	0.6812	1.1180
Low SDI	Both	Liver cancer due to alcohol use	2003	0.8833	0.6783	1.1205
Low SDI	Both	Liver cancer due to alcohol use	2004	0.8771	0.6756	1.1181
Low SDI	Both	Liver cancer due to alcohol use	2005	0.8729	0.6696	1.1096
Low SDI	Both	Liver cancer due to alcohol use	2006	0.8656	0.6656	1.0930
Low SDI	Both	Liver cancer due to alcohol use	2007	0.8655	0.6680	1.0980
Low SDI	Both	Liver cancer due to alcohol use	2008	0.8630	0.6600	1.0857
Low SDI	Both	Liver cancer due to alcohol use	2009	0.8623	0.6595	1.0879
Low SDI	Both	Liver cancer due to alcohol use	2010	0.8617	0.6595	1.0928
Low SDI	Both	Liver cancer due to alcohol use	2011	0.8573	0.6518	1.0860
Low SDI	Both	Liver cancer due to alcohol use	2012	0.8530	0.6500	1.0824
Low SDI	Both	Liver cancer due to alcohol use	2013	0.8573	0.6526	1.0793
Low SDI	Both	Liver cancer due to alcohol use	2014	0.8478	0.6453	1.0769
Low SDI	Both	Liver cancer due to alcohol use	2015	0.8493	0.6509	1.0749
Low SDI	Both	Liver cancer due to alcohol use	2016	0.8464	0.6435	1.0769
Low SDI	Both	Liver cancer due to alcohol use	2017	0.8462	0.6313	1.0811
Low SDI	Both	Liver cancer due to alcohol use	2018	0.8444	0.6356	1.0778
Low SDI	Both	Liver cancer due to alcohol use	2019	0.8386	0.6351	1.0615
Low-middle SDI	Both	Liver cancer due to alcohol use	1990	0.8694	0.6862	1.0982
Low-middle SDI	Both	Liver cancer due to alcohol use	1991	0.8782	0.6833	1.0950
Low-middle SDI	Both	Liver cancer due to alcohol use	1992	0.8865	0.6939	1.1131
Low-middle SDI	Both	Liver cancer due to alcohol use	1993	0.8992	0.7038	1.1273
Low-middle SDI	Both	Liver cancer due to alcohol use	1994	0.9042	0.7016	1.1329
Low-middle SDI	Both	Liver cancer due to alcohol use	1995	0.9011	0.7062	1.1334
Low-middle SDI	Both	Liver cancer due to alcohol use	1996	0.9035	0.7048	1.1241
Low-middle SDI	Both	Liver cancer due to alcohol use	1997	0.9121	0.7095	1.1308
Low-middle SDI	Both	Liver cancer due to alcohol use	1998	0.9036	0.7158	1.1083
Low-middle SDI	Both	Liver cancer due to alcohol use	1999	0.8843	0.6956	1.0981
Low-middle SDI	Both	Liver cancer due to alcohol use	2000	0.8704	0.6755	1.0798
Low-middle SDI	Both	Liver cancer due to alcohol use	2001	0.8563	0.6733	1.0542
Low-middle SDI	Both	Liver cancer due to alcohol use	2002	0.8408	0.6647	1.0328
Low-middle SDI	Both	Liver cancer due to alcohol use	2003	0.8174	0.6384	0.9986
Low-middle SDI	Both	Liver cancer due to alcohol use	2004	0.7930	0.6145	0.9780

Low-middle SDI	Both	Liver cancer due to alcohol use	2005	0.7942	0.6185	0.9855
Low-middle SDI	Both	Liver cancer due to alcohol use	2006	0.7982	0.6243	0.9766
Low-middle SDI	Both	Liver cancer due to alcohol use	2007	0.7965	0.6314	0.9722
Low-middle SDI	Both	Liver cancer due to alcohol use	2008	0.8011	0.6401	0.9728
Low-middle SDI	Both	Liver cancer due to alcohol use	2009	0.7948	0.6351	0.9649
Low-middle SDI	Both	Liver cancer due to alcohol use	2010	0.7975	0.6373	0.9783
Low-middle SDI	Both	Liver cancer due to alcohol use	2011	0.8018	0.6418	0.9779
Low-middle SDI	Both	Liver cancer due to alcohol use	2012	0.8021	0.6466	0.9771
Low-middle SDI	Both	Liver cancer due to alcohol use	2013	0.8106	0.6569	0.9814
Low-middle SDI	Both	Liver cancer due to alcohol use	2014	0.8140	0.6614	0.9867
Low-middle SDI	Both	Liver cancer due to alcohol use	2015	0.8310	0.6704	1.0094
Low-middle SDI	Both	Liver cancer due to alcohol use	2016	0.8465	0.6825	1.0369
Low-middle SDI	Both	Liver cancer due to alcohol use	2017	0.8594	0.6869	1.0416
Low-middle SDI	Both	Liver cancer due to alcohol use	2018	0.8626	0.6829	1.0587
Low-middle SDI	Both	Liver cancer due to alcohol use	2019	0.8616	0.6817	1.0516
Middle SDI	Both	Liver cancer due to alcohol use	1990	1.5193	1.1868	1.9433
Middle SDI	Both	Liver cancer due to alcohol use	1991	1.5418	1.1912	1.9730
Middle SDI	Both	Liver cancer due to alcohol use	1992	1.5574	1.2233	1.9681
Middle SDI	Both	Liver cancer due to alcohol use	1993	1.5734	1.2416	1.9845
Middle SDI	Both	Liver cancer due to alcohol use	1994	1.5865	1.2506	1.9957
Middle SDI	Both	Liver cancer due to alcohol use	1995	1.5899	1.2647	1.9879
Middle SDI	Both	Liver cancer due to alcohol use	1996	1.5874	1.2637	1.9883
Middle SDI	Both	Liver cancer due to alcohol use	1997	1.5522	1.2355	1.9307
Middle SDI	Both	Liver cancer due to alcohol use	1998	1.5326	1.2205	1.8964
Middle SDI	Both	Liver cancer due to alcohol use	1999	1.5049	1.1957	1.8682
Middle SDI	Both	Liver cancer due to alcohol use	2000	1.4409	1.1619	1.7889
Middle SDI	Both	Liver cancer due to alcohol use	2001	1.3380	1.0749	1.6604
Middle SDI	Both	Liver cancer due to alcohol use	2002	1.2341	0.9866	1.5277
Middle SDI	Both	Liver cancer due to alcohol use	2003	1.1493	0.9192	1.4362
Middle SDI	Both	Liver cancer due to alcohol use	2004	1.0958	0.8778	1.3638
Middle SDI	Both	Liver cancer due to alcohol use	2005	1.0772	0.8556	1.3377
Middle SDI	Both	Liver cancer due to alcohol use	2006	1.0722	0.8595	1.3312
Middle SDI	Both	Liver cancer due to alcohol use	2007	1.0719	0.8631	1.3333
Middle SDI	Both	Liver cancer due to alcohol use	2008	1.0850	0.8691	1.3425
Middle SDI	Both	Liver cancer due to alcohol use	2009	1.0922	0.8683	1.3509
Middle SDI	Both	Liver cancer due to alcohol use	2010	1.0999	0.8833	1.3651
Middle SDI	Both	Liver cancer due to alcohol use	2011	1.1056	0.8823	1.3673
Middle SDI	Both	Liver cancer due to alcohol use	2012	1.1130	0.8840	1.3848
Middle SDI	Both	Liver cancer due to alcohol use	2013	1.1275	0.8921	1.3955
Middle SDI	Both	Liver cancer due to alcohol use	2014	1.1445	0.8997	1.4232
Middle SDI	Both	Liver cancer due to alcohol use	2015	1.1628	0.9265	1.4368
Middle SDI	Both	Liver cancer due to alcohol use	2016	1.1789	0.9296	1.4595
Middle SDI	Both	Liver cancer due to alcohol use	2017	1.1864	0.9377	1.4821
Middle SDI	Both	Liver cancer due to alcohol use	2018	1.1823	0.9180	1.4855
Middle SDI	Both	Liver cancer due to alcohol use	2019	1.1836	0.8957	1.4967

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to alcohol use	2019	0.8757	0.5338	1.3297
Albania	Both	Liver cancer due to alcohol use	2019	2.5329	1.5971	3.6804
Algeria	Both	Liver cancer due to alcohol use	2019	0.2291	0.1348	0.3465
American Samoa	Both	Liver cancer due to alcohol use	2019	0.7797	0.4912	1.1678
Andorra	Both	Liver cancer due to alcohol use	2019	3.7325	2.4548	5.1510
Angola	Both	Liver cancer due to alcohol use	2019	0.4402	0.2782	0.6467
Antigua and Barbuda	Both	Liver cancer due to alcohol use	2019	1.0031	0.7164	1.3540
Argentina	Both	Liver cancer due to alcohol use	2019	0.7049	0.5040	0.9097
Armenia	Both	Liver cancer due to alcohol use	2019	2.0628	1.4437	2.8000
Australia	Both	Liver cancer due to alcohol use	2019	1.6179	1.2197	2.0127
Austria	Both	Liver cancer due to alcohol use	2019	2.4000	1.9377	2.8962
Azerbaijan	Both	Liver cancer due to alcohol use	2019	1.1589	0.7153	1.7591
Bahamas	Both	Liver cancer due to alcohol use	2019	1.0891	0.7549	1.4898
Bahrain	Both	Liver cancer due to alcohol use	2019	0.5243	0.3113	0.8098
Bangladesh	Both	Liver cancer due to alcohol use	2019	0.5775	0.3545	0.8406
Barbados	Both	Liver cancer due to alcohol use	2019	1.0008	0.7032	1.3317
Belarus	Both	Liver cancer due to alcohol use	2019	1.0132	0.6574	1.4781
Belgium	Both	Liver cancer due to alcohol use	2019	1.4710	1.1031	1.8676
Belize	Both	Liver cancer due to alcohol use	2019	1.1255	0.8174	1.4752
Benin	Both	Liver cancer due to alcohol use	2019	0.9995	0.6227	1.5531
Bermuda	Both	Liver cancer due to alcohol use	2019	0.7905	0.5694	1.0582
Bhutan	Both	Liver cancer due to alcohol use	2019	0.9352	0.5442	1.4773
Bolivia (Plurinational State of)	Both	Liver cancer due to alcohol use	2019	1.5694	1.0216	2.2654
Bosnia and Herzegovina	Both	Liver cancer due to alcohol use	2019	2.7329	1.8617	3.7710
Botswana	Both	Liver cancer due to alcohol use	2019	0.3247	0.2029	0.5009
Brazil	Both	Liver cancer due to alcohol use	2019	0.7562	0.6518	0.8572
Brunei Darussalam	Both	Liver cancer due to alcohol use	2019	1.0578	0.6539	1.5714
Bulgaria	Both	Liver cancer due to alcohol use	2019	2.0760	1.4934	2.8114
Burkina Faso	Both	Liver cancer due to alcohol use	2019	0.3965	0.2470	0.5773
Burundi	Both	Liver cancer due to alcohol use	2019	0.8941	0.5103	1.5828
Cabo Verde	Both	Liver cancer due to alcohol use	2019	2.4030	1.6202	3.3152
Cambodia	Both	Liver cancer due to alcohol use	2019	1.6123	1.0284	2.3190
Cameroon	Both	Liver cancer due to alcohol use	2019	0.1471	0.0914	0.2269
Canada	Both	Liver cancer due to alcohol use	2019	2.1707	1.7481	2.5592
Central African Republic	Both	Liver cancer due to alcohol use	2019	0.5416	0.3028	0.9215
Chad	Both	Liver cancer due to alcohol use	2019	0.9249	0.5584	1.4071
Chile	Both	Liver cancer due to alcohol use	2019	0.9422	0.6782	1.2211
China	Both	Liver cancer due to alcohol use	2019	0.8464	0.6270	1.0851
Colombia	Both	Liver cancer due to alcohol use	2019	0.8392	0.5595	1.2080
Comoros	Both	Liver cancer due to alcohol use	2019	0.6062	0.3401	1.1598
Congo	Both	Liver cancer due to alcohol use	2019	0.5191	0.3197	0.7950
Cook Islands	Both	Liver cancer due to alcohol use	2019	1.8191	1.1710	2.6297
Costa Rica	Both	Liver cancer due to alcohol use	2019	1.8225	1.2361	2.5832
Côte d'Ivoire	Both	Liver cancer due to alcohol use	2019	1.0789	0.6650	1.6711
Croatia	Both	Liver cancer due to alcohol use	2019	1.6567	1.1702	2.2205
Cuba	Both	Liver cancer due to alcohol use	2019	0.9020	0.6195	1.2284
Cyprus	Both	Liver cancer due to alcohol use	2019	1.2358	0.8961	1.6142
Czechia	Both	Liver cancer due to alcohol use	2019	1.4420	1.0678	1.8828
Democratic People's Republic of Korea	Both	Liver cancer due to alcohol use	2019	0.8261	0.4805	1.3055
Democratic Republic of the Congo	Both	Liver cancer due to alcohol use	2019	0.2935	0.1770	0.4416
Denmark	Both	Liver cancer due to alcohol use	2019	1.2816	0.9524	1.6275
Djibouti	Both	Liver cancer due to alcohol use	2019	0.8426	0.4578	1.6178
Dominica	Both	Liver cancer due to alcohol use	2019	1.2238	0.8422	1.6981
Dominican Republic	Both	Liver cancer due to alcohol use	2019	1.7301	1.0351	2.8675
Ecuador	Both	Liver cancer due to alcohol use	2019	1.1128	0.7454	1.5893
Egypt	Both	Liver cancer due to alcohol use	2019	1.8034	1.0024	3.0905
El Salvador	Both	Liver cancer due to alcohol use	2019	0.6672	0.4303	0.9624
Equatorial Guinea	Both	Liver cancer due to alcohol use	2019	0.6204	0.3174	1.0226
Eritrea	Both	Liver cancer due to alcohol use	2019	0.7388	0.4221	1.2415
Estonia	Both	Liver cancer due to alcohol use	2019	1.6011	1.1297	2.1249
Eswatini	Both	Liver cancer due to alcohol use	2019	4.5783	1.1402	9.2708
Ethiopia	Both	Liver cancer due to alcohol use	2019	0.6884	0.5109	0.9327



Fiji	Both	Liver cancer due to alcohol use	2019	0.8395	0.5096	1.3103
Finland	Both	Liver cancer due to alcohol use	2019	1.5387	1.1398	1.9436
France	Both	Liver cancer due to alcohol use	2019	1.9693	1.3971	2.6062
Gabon	Both	Liver cancer due to alcohol use	2019	0.6383	0.3426	1.1024
Gambia	Both	Liver cancer due to alcohol use	2019	7.6994	4.4979	11.5460
Georgia	Both	Liver cancer due to alcohol use	2019	1.2158	0.8506	1.6282
Germany	Both	Liver cancer due to alcohol use	2019	1.8838	1.5275	2.2444
Ghana	Both	Liver cancer due to alcohol use	2019	1.3607	0.8931	1.9775
Greece	Both	Liver cancer due to alcohol use	2019	1.0974	0.8206	1.4093
Greenland	Both	Liver cancer due to alcohol use	2019	2.6820	1.8587	3.6748
Grenada	Both	Liver cancer due to alcohol use	2019	1.1893	0.8797	1.5364
Guam	Both	Liver cancer due to alcohol use	2019	0.7297	0.4515	1.1009
Guatemala	Both	Liver cancer due to alcohol use	2019	1.1970	0.7810	1.7335
Guinea	Both	Liver cancer due to alcohol use	2019	6.1373	3.5404	9.1663
Guinea-Bissau	Both	Liver cancer due to alcohol use	2019	1.1450	0.7100	1.7493
Guyana	Both	Liver cancer due to alcohol use	2019	1.1128	0.7578	1.5388
Haiti	Both	Liver cancer due to alcohol use	2019	1.4736	0.8011	2.4993
Honduras	Both	Liver cancer due to alcohol use	2019	4.5532	1.8732	7.3089
Hungary	Both	Liver cancer due to alcohol use	2019	1.1180	0.7996	1.4760
Iceland	Both	Liver cancer due to alcohol use	2019	1.0425	0.7650	1.3490
India	Both	Liver cancer due to alcohol use	2019	0.7646	0.6097	0.9377
Indonesia	Both	Liver cancer due to alcohol use	2019	0.4316	0.3364	0.5348
Iran (Islamic Republic of)	Both	Liver cancer due to alcohol use	2019	0.4008	0.3028	0.5243
Iraq	Both	Liver cancer due to alcohol use	2019	0.6005	0.3667	0.9113
Ireland	Both	Liver cancer due to alcohol use	2019	1.2560	0.9323	1.6099
Israel	Both	Liver cancer due to alcohol use	2019	0.7317	0.5132	0.9745
Italy	Both	Liver cancer due to alcohol use	2019	1.2517	1.0518	1.4517
Jamaica	Both	Liver cancer due to alcohol use	2019	0.9289	0.6402	1.2803
Japan	Both	Liver cancer due to alcohol use	2019	0.9924	0.8328	1.1600
Jordan	Both	Liver cancer due to alcohol use	2019	0.2684	0.1603	0.4178
Kazakhstan	Both	Liver cancer due to alcohol use	2019	2.0736	1.4866	2.7159
Kenya	Both	Liver cancer due to alcohol use	2019	0.8619	0.5355	1.3324
Kiribati	Both	Liver cancer due to alcohol use	2019	1.2079	0.7217	1.7757
Kuwait	Both	Liver cancer due to alcohol use	2019	0.2577	0.1538	0.3985
Kyrgyzstan	Both	Liver cancer due to alcohol use	2019	0.8141	0.5733	1.0797
Lao People's Democratic Republic	Both	Liver cancer due to alcohol use	2019	1.6943	1.0974	2.5051
Latvia	Both	Liver cancer due to alcohol use	2019	1.1585	0.8411	1.5202
Lebanon	Both	Liver cancer due to alcohol use	2019	0.3831	0.2208	0.6326
Lesotho	Both	Liver cancer due to alcohol use	2019	3.5646	1.2163	6.0082
Liberia	Both	Liver cancer due to alcohol use	2019	1.0088	0.6084	1.6474
Libya	Both	Liver cancer due to alcohol use	2019	0.4955	0.2819	0.7999
Lithuania	Both	Liver cancer due to alcohol use	2019	1.3631	0.9633	1.7805
Luxembourg	Both	Liver cancer due to alcohol use	2019	1.4130	0.9981	1.9082
Madagascar	Both	Liver cancer due to alcohol use	2019	0.6309	0.3422	1.1474
Malawi	Both	Liver cancer due to alcohol use	2019	0.7552	0.5007	1.0752
Malaysia	Both	Liver cancer due to alcohol use	2019	0.8527	0.5176	1.3130
Maldives	Both	Liver cancer due to alcohol use	2019	1.2603	0.8220	1.8346
Mali	Both	Liver cancer due to alcohol use	2019	2.5915	1.5856	3.9046
Malta	Both	Liver cancer due to alcohol use	2019	0.7786	0.5555	1.0158
Marshall Islands	Both	Liver cancer due to alcohol use	2019	1.3532	0.7989	2.1773
Mauritania	Both	Liver cancer due to alcohol use	2019	0.6740	0.3983	1.0279
Mauritius	Both	Liver cancer due to alcohol use	2019	0.4678	0.2963	0.7016
Mexico	Both	Liver cancer due to alcohol use	2019	1.1141	0.8941	1.3643
Micronesia (Federated States of)	Both	Liver cancer due to alcohol use	2019	1.3410	0.7511	2.1034
Monaco	Both	Liver cancer due to alcohol use	2019	2.6782	1.8423	3.7097
Mongolia	Both	Liver cancer due to alcohol use	2019	34.1970	23.1116	47.8295
Montenegro	Both	Liver cancer due to alcohol use	2019	2.5315	1.8032	3.4186
Morocco	Both	Liver cancer due to alcohol use	2019	0.2650	0.1597	0.4052
Mozambique	Both	Liver cancer due to alcohol use	2019	0.9913	0.5682	1.4480
Myanmar	Both	Liver cancer due to alcohol use	2019	0.8919	0.5912	1.2652
Namibia	Both	Liver cancer due to alcohol use	2019	0.8435	0.5375	1.2044
Nauru	Both	Liver cancer due to alcohol use	2019	1.2444	0.7104	1.9023
Nepal	Both	Liver cancer due to alcohol use	2019	0.6403	0.3752	1.0427
Netherlands	Both	Liver cancer due to alcohol use	2019	1.1070	0.8551	1.3642
New Zealand	Both	Liver cancer due to alcohol use	2019	1.4096	1.2322	1.5970

Nicaragua	Both	Liver cancer due to alcohol use	2019	1.2581	0.8535	1.7524
Niger	Both	Liver cancer due to alcohol use	2019	0.1051	0.0629	0.1584
Nigeria	Both	Liver cancer due to alcohol use	2019	0.8124	0.6085	1.0680
Niue	Both	Liver cancer due to alcohol use	2019	1.0278	0.6456	1.5401
North Macedonia	Both	Liver cancer due to alcohol use	2019	3.1986	2.1546	4.4738
Northern Mariana Islands	Both	Liver cancer due to alcohol use	2019	0.9792	0.6324	1.4277
Norway	Both	Liver cancer due to alcohol use	2019	0.8192	0.6856	0.9681
Oman	Both	Liver cancer due to alcohol use	2019	0.5153	0.3269	0.8063
Pakistan	Both	Liver cancer due to alcohol use	2019	0.5436	0.4072	0.7237
Palau	Both	Liver cancer due to alcohol use	2019	1.3568	0.8490	2.0404
Palestine	Both	Liver cancer due to alcohol use	2019	0.6179	0.3814	0.9254
Panama	Both	Liver cancer due to alcohol use	2019	1.0633	0.7124	1.5423
Papua New Guinea	Both	Liver cancer due to alcohol use	2019	0.2344	0.1450	0.3693
Paraguay	Both	Liver cancer due to alcohol use	2019	0.7416	0.4733	1.0682
Peru	Both	Liver cancer due to alcohol use	2019	0.9511	0.6128	1.3527
Philippines	Both	Liver cancer due to alcohol use	2019	1.5664	1.1794	2.0294
Poland	Both	Liver cancer due to alcohol use	2019	0.9139	0.7445	1.1279
Portugal	Both	Liver cancer due to alcohol use	2019	1.8272	1.3625	2.3015
Puerto Rico	Both	Liver cancer due to alcohol use	2019	0.9467	0.6197	1.3596
Qatar	Both	Liver cancer due to alcohol use	2019	1.7979	1.0172	2.8987
Republic of Korea	Both	Liver cancer due to alcohol use	2019	2.8753	1.9957	4.0335
Republic of Moldova	Both	Liver cancer due to alcohol use	2019	1.1611	0.9204	1.4522
Romania	Both	Liver cancer due to alcohol use	2019	1.3688	0.9802	1.7927
Russian Federation	Both	Liver cancer due to alcohol use	2019	1.0883	0.8653	1.3679
Rwanda	Both	Liver cancer due to alcohol use	2019	1.4635	1.0036	2.0768
Saint Kitts and Nevis	Both	Liver cancer due to alcohol use	2019	1.3191	0.9296	1.8049
Saint Lucia	Both	Liver cancer due to alcohol use	2019	0.8962	0.6565	1.1745
Saint Vincent and the Grenadines	Both	Liver cancer due to alcohol use	2019	1.1886	0.8775	1.5224
Samoa	Both	Liver cancer due to alcohol use	2019	0.6708	0.4059	1.0035
San Marino	Both	Liver cancer due to alcohol use	2019	1.0520	0.5965	1.6337
Sao Tome and Principe	Both	Liver cancer due to alcohol use	2019	0.6068	0.3550	0.9239
Saudi Arabia	Both	Liver cancer due to alcohol use	2019	0.4176	0.2430	0.6706
Senegal	Both	Liver cancer due to alcohol use	2019	0.3002	0.1823	0.4459
Serbia	Both	Liver cancer due to alcohol use	2019	2.0252	1.3704	2.7870
Seychelles	Both	Liver cancer due to alcohol use	2019	1.4498	0.9662	2.0170
Sierra Leone	Both	Liver cancer due to alcohol use	2019	0.9297	0.5807	1.4027
Singapore	Both	Liver cancer due to alcohol use	2019	0.6891	0.4318	1.0381
Slovakia	Both	Liver cancer due to alcohol use	2019	1.5181	1.0525	2.0508
Slovenia	Both	Liver cancer due to alcohol use	2019	2.0601	1.3896	2.9103
Solomon Islands	Both	Liver cancer due to alcohol use	2019	0.6559	0.4049	0.9801
Somalia	Both	Liver cancer due to alcohol use	2019	0.7351	0.3985	1.4312
South Africa	Both	Liver cancer due to alcohol use	2019	1.2285	1.0010	1.4711
South Sudan	Both	Liver cancer due to alcohol use	2019	0.6775	0.3336	1.4056
Spain	Both	Liver cancer due to alcohol use	2019	1.4498	1.0039	1.9316
Sri Lanka	Both	Liver cancer due to alcohol use	2019	0.6986	0.4285	1.0543
Sudan	Both	Liver cancer due to alcohol use	2019	0.5695	0.2973	1.0670
Suriname	Both	Liver cancer due to alcohol use	2019	0.9576	0.6790	1.3364
Sweden	Both	Liver cancer due to alcohol use	2019	1.3455	1.1614	1.5303
Switzerland	Both	Liver cancer due to alcohol use	2019	1.7992	1.3243	2.2944
Syrian Arab Republic	Both	Liver cancer due to alcohol use	2019	0.4101	0.2359	0.6492
Taiwan (Province of China)	Both	Liver cancer due to alcohol use	2019	0.6582	0.3969	1.0249
Tajikistan	Both	Liver cancer due to alcohol use	2019	0.8901	0.5734	1.3017
Thailand	Both	Liver cancer due to alcohol use	2019	7.1657	4.6097	10.4547
Timor-Leste	Both	Liver cancer due to alcohol use	2019	1.3269	0.7186	2.1565
Togo	Both	Liver cancer due to alcohol use	2019	0.9408	0.5958	1.3862
Tokelau	Both	Liver cancer due to alcohol use	2019	0.8839	0.5118	1.3493
Tonga	Both	Liver cancer due to alcohol use	2019	3.3121	1.9623	5.1402
Trinidad and Tobago	Both	Liver cancer due to alcohol use	2019	0.9156	0.5998	1.3166
Tunisia	Both	Liver cancer due to alcohol use	2019	0.2110	0.1078	0.3796
Turkey	Both	Liver cancer due to alcohol use	2019	0.3912	0.2441	0.5963
Turkmenistan	Both	Liver cancer due to alcohol use	2019	1.7114	1.1427	2.4325
Tuvalu	Both	Liver cancer due to alcohol use	2019	1.0552	0.6268	1.6632
Uganda	Both	Liver cancer due to alcohol use	2019	2.0676	1.4185	2.8486
Ukraine	Both	Liver cancer due to alcohol use	2019	0.9176	0.7425	1.1276
United Arab Emirates	Both	Liver cancer due to alcohol use	2019	0.6086	0.2002	1.6286

United Kingdom	Both	Liver cancer due to alcohol use	2019	1.4456	1.2751	1.6274
United Republic of Tanzania	Both	Liver cancer due to alcohol use	2019	0.6786	0.4445	0.9802
United States of America	Both	Liver cancer due to alcohol use	2019	1.3457	1.0964	1.5986
United States Virgin Islands	Both	Liver cancer due to alcohol use	2019	0.8965	0.6391	1.2227
Uruguay	Both	Liver cancer due to alcohol use	2019	0.7169	0.5110	0.9409
Uzbekistan	Both	Liver cancer due to alcohol use	2019	1.8705	1.2815	2.5544
Vanuatu	Both	Liver cancer due to alcohol use	2019	1.2164	0.6599	2.0106
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to alcohol use	2019	0.8549	0.5691	1.2133
Viet Nam	Both	Liver cancer due to alcohol use	2019	0.6592	0.4040	0.9662
Yemen	Both	Liver cancer due to alcohol use	2019	0.2364	0.1341	0.3980
Zambia	Both	Liver cancer due to alcohol use	2019	0.8279	0.5530	1.1591
Zimbabwe	Both	Liver cancer due to alcohol use	2019	2.1443	1.2970	3.4907

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to NASH	1990	0.4527	0.3655	0.5488
Global	Female	Liver cancer due to NASH	1990	0.4324	0.3506	0.5263
Global	Both	Liver cancer due to NASH	1990	0.4425	0.3645	0.5293
Global	Male	Liver cancer due to NASH	1991	0.4722	0.3878	0.5735
Global	Female	Liver cancer due to NASH	1991	0.4425	0.3645	0.5341
Global	Both	Liver cancer due to NASH	1991	0.4569	0.3782	0.5440
Global	Male	Liver cancer due to NASH	1992	0.4896	0.4044	0.5939
Global	Female	Liver cancer due to NASH	1992	0.4511	0.3754	0.5416
Global	Both	Liver cancer due to NASH	1992	0.4696	0.3911	0.5568
Global	Male	Liver cancer due to NASH	1993	0.5046	0.4170	0.6062
Global	Female	Liver cancer due to NASH	1993	0.4585	0.3822	0.5477
Global	Both	Liver cancer due to NASH	1993	0.4804	0.4008	0.5715
Global	Male	Liver cancer due to NASH	1994	0.5168	0.4266	0.6218
Global	Female	Liver cancer due to NASH	1994	0.4645	0.3882	0.5521
Global	Both	Liver cancer due to NASH	1994	0.4893	0.4075	0.5811
Global	Male	Liver cancer due to NASH	1995	0.5255	0.4327	0.6338
Global	Female	Liver cancer due to NASH	1995	0.4688	0.3907	0.5587
Global	Both	Liver cancer due to NASH	1995	0.4957	0.4130	0.5910
Global	Male	Liver cancer due to NASH	1996	0.5320	0.4410	0.6385
Global	Female	Liver cancer due to NASH	1996	0.4716	0.3948	0.5594
Global	Both	Liver cancer due to NASH	1996	0.5002	0.4187	0.5949
Global	Male	Liver cancer due to NASH	1997	0.5370	0.4464	0.6453
Global	Female	Liver cancer due to NASH	1997	0.4728	0.3950	0.5607
Global	Both	Liver cancer due to NASH	1997	0.5032	0.4216	0.5972
Global	Male	Liver cancer due to NASH	1998	0.5399	0.4496	0.6485
Global	Female	Liver cancer due to NASH	1998	0.4724	0.3948	0.5612
Global	Both	Liver cancer due to NASH	1998	0.5044	0.4226	0.5997
Global	Male	Liver cancer due to NASH	1999	0.5405	0.4490	0.6490
Global	Female	Liver cancer due to NASH	1999	0.4701	0.3920	0.5587
Global	Both	Liver cancer due to NASH	1999	0.5035	0.4234	0.6020
Global	Male	Liver cancer due to NASH	2000	0.5382	0.4453	0.6491
Global	Female	Liver cancer due to NASH	2000	0.4656	0.3848	0.5564
Global	Both	Liver cancer due to NASH	2000	0.5001	0.4175	0.5993
Global	Male	Liver cancer due to NASH	2001	0.5250	0.4349	0.6319
Global	Female	Liver cancer due to NASH	2001	0.4533	0.3783	0.5427
Global	Both	Liver cancer due to NASH	2001	0.4873	0.4081	0.5830
Global	Male	Liver cancer due to NASH	2002	0.4986	0.4138	0.6020
Global	Female	Liver cancer due to NASH	2002	0.4318	0.3607	0.5168
Global	Both	Liver cancer due to NASH	2002	0.4636	0.3884	0.5565
Global	Male	Liver cancer due to NASH	2003	0.4681	0.3878	0.5680
Global	Female	Liver cancer due to NASH	2003	0.4079	0.3394	0.4894
Global	Both	Liver cancer due to NASH	2003	0.4365	0.3645	0.5253
Global	Male	Liver cancer due to NASH	2004	0.4424	0.3666	0.5392
Global	Female	Liver cancer due to NASH	2004	0.3883	0.3214	0.4677
Global	Both	Liver cancer due to NASH	2004	0.4140	0.3423	0.5008
Global	Male	Liver cancer due to NASH	2005	0.4308	0.3558	0.5277
Global	Female	Liver cancer due to NASH	2005	0.3799	0.3132	0.4590

Global	Both	Liver cancer due to NASH	2005	0.4042	0.3347	0.4895
Global	Male	Liver cancer due to NASH	2006	0.4304	0.3555	0.5261
Global	Female	Liver cancer due to NASH	2006	0.3804	0.3144	0.4592
Global	Both	Liver cancer due to NASH	2006	0.4043	0.3352	0.4903
Global	Male	Liver cancer due to NASH	2007	0.4317	0.3568	0.5273
Global	Female	Liver cancer due to NASH	2007	0.3824	0.3142	0.4633
Global	Both	Liver cancer due to NASH	2007	0.4060	0.3369	0.4940
Global	Male	Liver cancer due to NASH	2008	0.4340	0.3578	0.5294
Global	Female	Liver cancer due to NASH	2008	0.3851	0.3158	0.4692
Global	Both	Liver cancer due to NASH	2008	0.4086	0.3384	0.4986
Global	Male	Liver cancer due to NASH	2009	0.4367	0.3590	0.5339
Global	Female	Liver cancer due to NASH	2009	0.3880	0.3182	0.4744
Global	Both	Liver cancer due to NASH	2009	0.4114	0.3401	0.5013
Global	Male	Liver cancer due to NASH	2010	0.4397	0.3601	0.5380
Global	Female	Liver cancer due to NASH	2010	0.3901	0.3218	0.4774
Global	Both	Liver cancer due to NASH	2010	0.4140	0.3415	0.5036
Global	Male	Liver cancer due to NASH	2011	0.4443	0.3647	0.5435
Global	Female	Liver cancer due to NASH	2011	0.3923	0.3224	0.4802
Global	Both	Liver cancer due to NASH	2011	0.4172	0.3438	0.5077
Global	Male	Liver cancer due to NASH	2012	0.4516	0.3711	0.5536
Global	Female	Liver cancer due to NASH	2012	0.3952	0.3243	0.4812
Global	Both	Liver cancer due to NASH	2012	0.4221	0.3474	0.5144
Global	Male	Liver cancer due to NASH	2013	0.4599	0.3778	0.5654
Global	Female	Liver cancer due to NASH	2013	0.3983	0.3282	0.4833
Global	Both	Liver cancer due to NASH	2013	0.4276	0.3526	0.5220
Global	Male	Liver cancer due to NASH	2014	0.4678	0.3841	0.5747
Global	Female	Liver cancer due to NASH	2014	0.4012	0.3303	0.4890
Global	Both	Liver cancer due to NASH	2014	0.4327	0.3561	0.5270
Global	Male	Liver cancer due to NASH	2015	0.4737	0.3872	0.5828
Global	Female	Liver cancer due to NASH	2015	0.4033	0.3309	0.4917
Global	Both	Liver cancer due to NASH	2015	0.4366	0.3574	0.5326
Global	Male	Liver cancer due to NASH	2016	0.4769	0.3910	0.5836
Global	Female	Liver cancer due to NASH	2016	0.4040	0.3311	0.4946
Global	Both	Liver cancer due to NASH	2016	0.4385	0.3613	0.5362
Global	Male	Liver cancer due to NASH	2017	0.4804	0.3886	0.5928
Global	Female	Liver cancer due to NASH	2017	0.4047	0.3285	0.4978
Global	Both	Liver cancer due to NASH	2017	0.4405	0.3613	0.5415
Global	Male	Liver cancer due to NASH	2018	0.4861	0.3966	0.6001
Global	Female	Liver cancer due to NASH	2018	0.4059	0.3289	0.4997
Global	Both	Liver cancer due to NASH	2018	0.4438	0.3641	0.5459
Global	Male	Liver cancer due to NASH	2019	0.4931	0.3949	0.6223
Global	Female	Liver cancer due to NASH	2019	0.4072	0.3222	0.5033
Global	Both	Liver cancer due to NASH	2019	0.4477	0.3652	0.5537

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to NASH	1990	0.2778	0.2292	0.3373
High SDI	Both	Liver cancer due to NASH	1991	0.2925	0.2420	0.3544
High SDI	Both	Liver cancer due to NASH	1992	0.3079	0.2548	0.3725
High SDI	Both	Liver cancer due to NASH	1993	0.3232	0.2673	0.3907
High SDI	Both	Liver cancer due to NASH	1994	0.3379	0.2792	0.4086
High SDI	Both	Liver cancer due to NASH	1995	0.3516	0.2908	0.4250
High SDI	Both	Liver cancer due to NASH	1996	0.3688	0.3047	0.4465
High SDI	Both	Liver cancer due to NASH	1997	0.3918	0.3236	0.4758
High SDI	Both	Liver cancer due to NASH	1998	0.4161	0.3441	0.5073
High SDI	Both	Liver cancer due to NASH	1999	0.4379	0.3624	0.5339
High SDI	Both	Liver cancer due to NASH	2000	0.4527	0.3755	0.5522
High SDI	Both	Liver cancer due to NASH	2001	0.4617	0.3811	0.5656
High SDI	Both	Liver cancer due to NASH	2002	0.4693	0.3863	0.5750
High SDI	Both	Liver cancer due to NASH	2003	0.4754	0.3909	0.5808
High SDI	Both	Liver cancer due to NASH	2004	0.4805	0.3938	0.5870
High SDI	Both	Liver cancer due to NASH	2005	0.4852	0.3975	0.5935
High SDI	Both	Liver cancer due to NASH	2006	0.4892	0.3996	0.5976
High SDI	Both	Liver cancer due to NASH	2007	0.4924	0.4021	0.6017
High SDI	Both	Liver cancer due to NASH	2008	0.4947	0.4039	0.6046
High SDI	Both	Liver cancer due to NASH	2009	0.4966	0.4031	0.6071
High SDI	Both	Liver cancer due to NASH	2010	0.4980	0.4054	0.6103
High SDI	Both	Liver cancer due to NASH	2011	0.4995	0.4042	0.6130
High SDI	Both	Liver cancer due to NASH	2012	0.5010	0.4067	0.6174
High SDI	Both	Liver cancer due to NASH	2013	0.5021	0.4095	0.6206
High SDI	Both	Liver cancer due to NASH	2014	0.5030	0.4081	0.6222
High SDI	Both	Liver cancer due to NASH	2015	0.5034	0.4055	0.6247
High SDI	Both	Liver cancer due to NASH	2016	0.5015	0.4014	0.6229
High SDI	Both	Liver cancer due to NASH	2017	0.5010	0.3993	0.6232
High SDI	Both	Liver cancer due to NASH	2018	0.5038	0.4035	0.6310
High SDI	Both	Liver cancer due to NASH	2019	0.5081	0.4056	0.6448
High-middle SDI	Both	Liver cancer due to NASH	1990	0.4325	0.3547	0.5184
High-middle SDI	Both	Liver cancer due to NASH	1991	0.4475	0.3695	0.5319
High-middle SDI	Both	Liver cancer due to NASH	1992	0.4602	0.3831	0.5429
High-middle SDI	Both	Liver cancer due to NASH	1993	0.4704	0.3948	0.5575
High-middle SDI	Both	Liver cancer due to NASH	1994	0.4779	0.3975	0.5666
High-middle SDI	Both	Liver cancer due to NASH	1995	0.4823	0.3991	0.5731
High-middle SDI	Both	Liver cancer due to NASH	1996	0.4826	0.4014	0.5723
High-middle SDI	Both	Liver cancer due to NASH	1997	0.4781	0.3996	0.5659
High-middle SDI	Both	Liver cancer due to NASH	1998	0.4705	0.3954	0.5562
High-middle SDI	Both	Liver cancer due to NASH	1999	0.4615	0.3867	0.5483
High-middle SDI	Both	Liver cancer due to NASH	2000	0.4519	0.3777	0.5377
High-middle SDI	Both	Liver cancer due to NASH	2001	0.4312	0.3615	0.5098
High-middle SDI	Both	Liver cancer due to NASH	2002	0.3938	0.3287	0.4661
High-middle SDI	Both	Liver cancer due to NASH	2003	0.3512	0.2918	0.4183
High-middle SDI	Both	Liver cancer due to NASH	2004	0.3150	0.2614	0.3787
High-middle SDI	Both	Liver cancer due to NASH	2005	0.2974	0.2457	0.3586
High-middle SDI	Both	Liver cancer due to NASH	2006	0.2946	0.2431	0.3550
High-middle SDI	Both	Liver cancer due to NASH	2007	0.2938	0.2434	0.3543
High-middle SDI	Both	Liver cancer due to NASH	2008	0.2944	0.2432	0.3545
High-middle SDI	Both	Liver cancer due to NASH	2009	0.2959	0.2454	0.3558

High-middle SDI	Both	Liver cancer due to NASH	2010	0.2974	0.2460	0.3584
High-middle SDI	Both	Liver cancer due to NASH	2011	0.2989	0.2478	0.3597
High-middle SDI	Both	Liver cancer due to NASH	2012	0.3005	0.2484	0.3619
High-middle SDI	Both	Liver cancer due to NASH	2013	0.3024	0.2495	0.3653
High-middle SDI	Both	Liver cancer due to NASH	2014	0.3044	0.2532	0.3684
High-middle SDI	Both	Liver cancer due to NASH	2015	0.3065	0.2545	0.3704
High-middle SDI	Both	Liver cancer due to NASH	2016	0.3084	0.2555	0.3718
High-middle SDI	Both	Liver cancer due to NASH	2017	0.3102	0.2559	0.3753
High-middle SDI	Both	Liver cancer due to NASH	2018	0.3126	0.2595	0.3790
High-middle SDI	Both	Liver cancer due to NASH	2019	0.3152	0.2583	0.3875
Low SDI	Both	Liver cancer due to NASH	1990	0.3312	0.2513	0.4332
Low SDI	Both	Liver cancer due to NASH	1991	0.3134	0.2383	0.4103
Low SDI	Both	Liver cancer due to NASH	1992	0.3161	0.2414	0.4138
Low SDI	Both	Liver cancer due to NASH	1993	0.3183	0.2437	0.4169
Low SDI	Both	Liver cancer due to NASH	1994	0.3201	0.2455	0.4193
Low SDI	Both	Liver cancer due to NASH	1995	0.3214	0.2459	0.4198
Low SDI	Both	Liver cancer due to NASH	1996	0.3225	0.2481	0.4200
Low SDI	Both	Liver cancer due to NASH	1997	0.3235	0.2499	0.4216
Low SDI	Both	Liver cancer due to NASH	1998	0.3241	0.2503	0.4241
Low SDI	Both	Liver cancer due to NASH	1999	0.3245	0.2500	0.4261
Low SDI	Both	Liver cancer due to NASH	2000	0.3245	0.2488	0.4277
Low SDI	Both	Liver cancer due to NASH	2001	0.3243	0.2504	0.4249
Low SDI	Both	Liver cancer due to NASH	2002	0.3242	0.2497	0.4227
Low SDI	Both	Liver cancer due to NASH	2003	0.3240	0.2493	0.4217
Low SDI	Both	Liver cancer due to NASH	2004	0.3236	0.2492	0.4206
Low SDI	Both	Liver cancer due to NASH	2005	0.3230	0.2487	0.4202
Low SDI	Both	Liver cancer due to NASH	2006	0.3222	0.2494	0.4182
Low SDI	Both	Liver cancer due to NASH	2007	0.3211	0.2486	0.4160
Low SDI	Both	Liver cancer due to NASH	2008	0.3314	0.2561	0.4314
Low SDI	Both	Liver cancer due to NASH	2009	0.3306	0.2546	0.4293
Low SDI	Both	Liver cancer due to NASH	2010	0.3299	0.2538	0.4279
Low SDI	Both	Liver cancer due to NASH	2011	0.3298	0.2554	0.4287
Low SDI	Both	Liver cancer due to NASH	2012	0.3301	0.2553	0.4285
Low SDI	Both	Liver cancer due to NASH	2013	0.3307	0.2547	0.4278
Low SDI	Both	Liver cancer due to NASH	2014	0.3311	0.2543	0.4286
Low SDI	Both	Liver cancer due to NASH	2015	0.3309	0.2525	0.4286
Low SDI	Both	Liver cancer due to NASH	2016	0.3294	0.2526	0.4292
Low SDI	Both	Liver cancer due to NASH	2017	0.3281	0.2497	0.4268
Low SDI	Both	Liver cancer due to NASH	2018	0.3290	0.2509	0.4286
Low SDI	Both	Liver cancer due to NASH	2019	0.3316	0.2534	0.4312
Low-middle SDI	Both	Liver cancer due to NASH	1990	0.3513	0.2860	0.4346
Low-middle SDI	Both	Liver cancer due to NASH	1991	0.3547	0.2890	0.4397
Low-middle SDI	Both	Liver cancer due to NASH	1992	0.3603	0.2934	0.4452
Low-middle SDI	Both	Liver cancer due to NASH	1993	0.3646	0.2968	0.4479
Low-middle SDI	Both	Liver cancer due to NASH	1994	0.3677	0.2977	0.4519
Low-middle SDI	Both	Liver cancer due to NASH	1995	0.3694	0.2962	0.4534
Low-middle SDI	Both	Liver cancer due to NASH	1996	0.3695	0.2976	0.4532
Low-middle SDI	Both	Liver cancer due to NASH	1997	0.3676	0.2974	0.4515
Low-middle SDI	Both	Liver cancer due to NASH	1998	0.3644	0.2954	0.4485
Low-middle SDI	Both	Liver cancer due to NASH	1999	0.3604	0.2917	0.4436
Low-middle SDI	Both	Liver cancer due to NASH	2000	0.3558	0.2866	0.4375
Low-middle SDI	Both	Liver cancer due to NASH	2001	0.3487	0.2814	0.4295
Low-middle SDI	Both	Liver cancer due to NASH	2002	0.3381	0.2726	0.4169

Low-middle SDI	Both	Liver cancer due to NASH	2003	0.3268	0.2618	0.4042
Low-middle SDI	Both	Liver cancer due to NASH	2004	0.3177	0.2520	0.3944
Low-middle SDI	Both	Liver cancer due to NASH	2005	0.3133	0.2464	0.3894
Low-middle SDI	Both	Liver cancer due to NASH	2006	0.3124	0.2469	0.3881
Low-middle SDI	Both	Liver cancer due to NASH	2007	0.3117	0.2475	0.3890
Low-middle SDI	Both	Liver cancer due to NASH	2008	0.3114	0.2481	0.3886
Low-middle SDI	Both	Liver cancer due to NASH	2009	0.3115	0.2492	0.3881
Low-middle SDI	Both	Liver cancer due to NASH	2010	0.3123	0.2502	0.3886
Low-middle SDI	Both	Liver cancer due to NASH	2011	0.3151	0.2538	0.3905
Low-middle SDI	Both	Liver cancer due to NASH	2012	0.3201	0.2588	0.3941
Low-middle SDI	Both	Liver cancer due to NASH	2013	0.3259	0.2634	0.3995
Low-middle SDI	Both	Liver cancer due to NASH	2014	0.3312	0.2670	0.4066
Low-middle SDI	Both	Liver cancer due to NASH	2015	0.3347	0.2702	0.4097
Low-middle SDI	Both	Liver cancer due to NASH	2016	0.3358	0.2718	0.4126
Low-middle SDI	Both	Liver cancer due to NASH	2017	0.3366	0.2723	0.4166
Low-middle SDI	Both	Liver cancer due to NASH	2018	0.3393	0.2746	0.4182
Low-middle SDI	Both	Liver cancer due to NASH	2019	0.3435	0.2770	0.4238
Middle SDI	Both	Liver cancer due to NASH	1990	0.7018	0.5630	0.8547
Middle SDI	Both	Liver cancer due to NASH	1991	0.6573	0.5385	0.7870
Middle SDI	Both	Liver cancer due to NASH	1992	0.6693	0.5544	0.7969
Middle SDI	Both	Liver cancer due to NASH	1993	0.6775	0.5611	0.8032
Middle SDI	Both	Liver cancer due to NASH	1994	0.6835	0.5700	0.8116
Middle SDI	Both	Liver cancer due to NASH	1995	0.6859	0.5718	0.8166
Middle SDI	Both	Liver cancer due to NASH	1996	0.6832	0.5738	0.8102
Middle SDI	Both	Liver cancer due to NASH	1997	0.6759	0.5676	0.8023
Middle SDI	Both	Liver cancer due to NASH	1998	0.6650	0.5593	0.7888
Middle SDI	Both	Liver cancer due to NASH	1999	0.6518	0.5438	0.7763
Middle SDI	Both	Liver cancer due to NASH	2000	0.6375	0.5283	0.7622
Middle SDI	Both	Liver cancer due to NASH	2001	0.6092	0.5094	0.7273
Middle SDI	Both	Liver cancer due to NASH	2002	0.5630	0.4748	0.6689
Middle SDI	Both	Liver cancer due to NASH	2003	0.5120	0.4290	0.6118
Middle SDI	Both	Liver cancer due to NASH	2004	0.4706	0.3922	0.5672
Middle SDI	Both	Liver cancer due to NASH	2005	0.4520	0.3741	0.5483
Middle SDI	Both	Liver cancer due to NASH	2006	0.4524	0.3750	0.5512
Middle SDI	Both	Liver cancer due to NASH	2007	0.4572	0.3785	0.5580
Middle SDI	Both	Liver cancer due to NASH	2008	0.4634	0.3831	0.5660
Middle SDI	Both	Liver cancer due to NASH	2009	0.4700	0.3862	0.5721
Middle SDI	Both	Liver cancer due to NASH	2010	0.4748	0.3878	0.5795
Middle SDI	Both	Liver cancer due to NASH	2011	0.4813	0.3945	0.5861
Middle SDI	Both	Liver cancer due to NASH	2012	0.4903	0.4022	0.5960
Middle SDI	Both	Liver cancer due to NASH	2013	0.5010	0.4093	0.6088
Middle SDI	Both	Liver cancer due to NASH	2014	0.5111	0.4169	0.6237
Middle SDI	Both	Liver cancer due to NASH	2015	0.5187	0.4236	0.6339
Middle SDI	Both	Liver cancer due to NASH	2016	0.5246	0.4284	0.6384
Middle SDI	Both	Liver cancer due to NASH	2017	0.5301	0.4279	0.6564
Middle SDI	Both	Liver cancer due to NASH	2018	0.5344	0.4357	0.6648
Middle SDI	Both	Liver cancer due to NASH	2019	0.5386	0.4309	0.6779



location	sex	cause name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to NASH	2019	0.8554	0.5430	1.2637
Albania	Both	Liver cancer due to NASH	2019	0.5228	0.3265	0.7992
Algeria	Both	Liver cancer due to NASH	2019	0.2505	0.1629	0.3731
American Samoa	Both	Liver cancer due to NASH	2019	0.7986	0.5540	1.1349
Andorra	Both	Liver cancer due to NASH	2019	0.7239	0.4474	1.1440
Angola	Both	Liver cancer due to NASH	2019	0.1671	0.1106	0.2489
Antigua and Barbuda	Both	Liver cancer due to NASH	2019	0.2579	0.1773	0.3657
Argentina	Both	Liver cancer due to NASH	2019	0.1829	0.1177	0.2680
Armenia	Both	Liver cancer due to NASH	2019	0.5143	0.3516	0.7362
Australia	Both	Liver cancer due to NASH	2019	0.4642	0.2970	0.6972
Austria	Both	Liver cancer due to NASH	2019	0.2623	0.1662	0.4044
Azerbaijan	Both	Liver cancer due to NASH	2019	0.3314	0.2075	0.5281
Bahamas	Both	Liver cancer due to NASH	2019	0.3024	0.2052	0.4403
Bahrain	Both	Liver cancer due to NASH	2019	0.8259	0.5487	1.2383
Bangladesh	Both	Liver cancer due to NASH	2019	0.2025	0.1347	0.2952
Barbados	Both	Liver cancer due to NASH	2019	0.2713	0.1851	0.3909
Belarus	Both	Liver cancer due to NASH	2019	0.1750	0.1105	0.2677
Belgium	Both	Liver cancer due to NASH	2019	0.2617	0.1649	0.4001
Belize	Both	Liver cancer due to NASH	2019	0.2982	0.2050	0.4193
Benin	Both	Liver cancer due to NASH	2019	0.4848	0.3210	0.7274
Bermuda	Both	Liver cancer due to NASH	2019	0.2157	0.1440	0.3168
Bhutan	Both	Liver cancer due to NASH	2019	0.2921	0.1745	0.4570
Bolivia (Plurinational State of)	Both	Liver cancer due to NASH	2019	0.4648	0.2924	0.7306
Bosnia and Herzegovina	Both	Liver cancer due to NASH	2019	0.7155	0.4776	1.0590
Botswana	Both	Liver cancer due to NASH	2019	0.1486	0.0943	0.2260
Brazil	Both	Liver cancer due to NASH	2019	0.1511	0.1284	0.1772
Brunei Darussalam	Both	Liver cancer due to NASH	2019	0.6929	0.4585	1.0078
Bulgaria	Both	Liver cancer due to NASH	2019	0.3260	0.2172	0.4750
Burkina Faso	Both	Liver cancer due to NASH	2019	0.1935	0.1259	0.2871
Burundi	Both	Liver cancer due to NASH	2019	0.3362	0.2107	0.5483
Cabo Verde	Both	Liver cancer due to NASH	2019	1.2663	0.8681	1.8737
Cambodia	Both	Liver cancer due to NASH	2019	0.6199	0.4083	0.9092
Cameroon	Both	Liver cancer due to NASH	2019	0.0658	0.0412	0.1015
Canada	Both	Liver cancer due to NASH	2019	0.5804	0.3889	0.8339
Central African Republic	Both	Liver cancer due to NASH	2019	0.2211	0.1271	0.3631
Chad	Both	Liver cancer due to NASH	2019	0.4413	0.2811	0.6588
Chile	Both	Liver cancer due to NASH	2019	0.3064	0.1979	0.4596
China	Both	Liver cancer due to NASH	2019	0.5078	0.3995	0.6281
Colombia	Both	Liver cancer due to NASH	2019	0.1934	0.1221	0.2953
Comoros	Both	Liver cancer due to NASH	2019	0.4176	0.2548	0.6632
Congo	Both	Liver cancer due to NASH	2019	0.2326	0.1417	0.3588
Cook Islands	Both	Liver cancer due to NASH	2019	1.3196	0.8744	1.8501
Costa Rica	Both	Liver cancer due to NASH	2019	0.4606	0.2986	0.6942
Côte d'Ivoire	Both	Liver cancer due to NASH	2019	0.4440	0.2873	0.6892
Croatia	Both	Liver cancer due to NASH	2019	0.3413	0.2227	0.5069
Cuba	Both	Liver cancer due to NASH	2019	0.2348	0.1522	0.3553
Cyprus	Both	Liver cancer due to NASH	2019	0.2319	0.1534	0.3401
Czechia	Both	Liver cancer due to NASH	2019	0.2132	0.1409	0.3182
Democratic People's Republic of Korea	Both	Liver cancer due to NASH	2019	0.4916	0.3067	0.7597
Democratic Republic of the Congo	Both	Liver cancer due to NASH	2019	0.1493	0.0963	0.2289
Denmark	Both	Liver cancer due to NASH	2019	0.2363	0.1490	0.3636
Djibouti	Both	Liver cancer due to NASH	2019	0.4301	0.2428	0.7367
Dominica	Both	Liver cancer due to NASH	2019	0.3061	0.2076	0.4415
Dominican Republic	Both	Liver cancer due to NASH	2019	0.4117	0.2533	0.6400
Ecuador	Both	Liver cancer due to NASH	2019	0.4253	0.2816	0.6125
Egypt	Both	Liver cancer due to NASH	2019	1.9419	1.1791	3.0738
El Salvador	Both	Liver cancer due to NASH	2019	0.1790	0.1107	0.2767
Equatorial Guinea	Both	Liver cancer due to NASH	2019	0.2838	0.1540	0.4694
Eritrea	Both	Liver cancer due to NASH	2019	0.4055	0.2497	0.6474
Estonia	Both	Liver cancer due to NASH	2019	0.2907	0.1863	0.4397
Eswatini	Both	Liver cancer due to NASH	2019	1.7503	0.5679	3.2516

Ethiopia	Both	Liver cancer due to NASH	2019	0.2783	0.2147	0.3661
Fiji	Both	Liver cancer due to NASH	2019	0.6254	0.4114	0.9108
Finland	Both	Liver cancer due to NASH	2019	0.3665	0.2311	0.5620
France	Both	Liver cancer due to NASH	2019	0.3969	0.2483	0.6130
Gabon	Both	Liver cancer due to NASH	2019	0.2691	0.1589	0.4193
Gambia	Both	Liver cancer due to NASH	2019	3.1985	2.0539	4.8033
Georgia	Both	Liver cancer due to NASH	2019	0.2412	0.1660	0.3425
Germany	Both	Liver cancer due to NASH	2019	0.3959	0.2565	0.5999
Ghana	Both	Liver cancer due to NASH	2019	0.4709	0.3126	0.6963
Greece	Both	Liver cancer due to NASH	2019	0.2436	0.1564	0.3695
Greenland	Both	Liver cancer due to NASH	2019	0.6306	0.4131	0.9065
Grenada	Both	Liver cancer due to NASH	2019	0.2612	0.1801	0.3772
Guam	Both	Liver cancer due to NASH	2019	0.5637	0.3786	0.8259
Guatemala	Both	Liver cancer due to NASH	2019	0.3913	0.2548	0.5858
Guinea	Both	Liver cancer due to NASH	2019	2.5224	1.5896	3.8926
Guinea-Bissau	Both	Liver cancer due to NASH	2019	0.5681	0.3474	0.8713
Guyana	Both	Liver cancer due to NASH	2019	0.2790	0.1849	0.4120
Haiti	Both	Liver cancer due to NASH	2019	0.2910	0.1501	0.4790
Honduras	Both	Liver cancer due to NASH	2019	1.2416	0.4716	2.1915
Hungary	Both	Liver cancer due to NASH	2019	0.2066	0.1413	0.2972
Iceland	Both	Liver cancer due to NASH	2019	0.2418	0.1640	0.3509
India	Both	Liver cancer due to NASH	2019	0.3040	0.2420	0.3829
Indonesia	Both	Liver cancer due to NASH	2019	0.2243	0.1799	0.2721
Iran (Islamic Republic of)	Both	Liver cancer due to NASH	2019	0.5729	0.4809	0.6802
Iraq	Both	Liver cancer due to NASH	2019	0.6903	0.4473	1.0047
Ireland	Both	Liver cancer due to NASH	2019	0.2847	0.1810	0.4343
Israel	Both	Liver cancer due to NASH	2019	0.2359	0.1486	0.3573
Italy	Both	Liver cancer due to NASH	2019	0.2656	0.2056	0.3382
Jamaica	Both	Liver cancer due to NASH	2019	0.2539	0.1673	0.3791
Japan	Both	Liver cancer due to NASH	2019	0.5633	0.4389	0.7062
Jordan	Both	Liver cancer due to NASH	2019	0.3320	0.2164	0.4946
Kazakhstan	Both	Liver cancer due to NASH	2019	0.4916	0.3350	0.7165
Kenya	Both	Liver cancer due to NASH	2019	0.4504	0.2989	0.6537
Kiribati	Both	Liver cancer due to NASH	2019	1.1069	0.7333	1.6503
Kuwait	Both	Liver cancer due to NASH	2019	0.4163	0.2676	0.6260
Kyrgyzstan	Both	Liver cancer due to NASH	2019	0.1637	0.1095	0.2382
Lao People's Democratic Republic	Both	Liver cancer due to NASH	2019	0.5349	0.3379	0.7903
Latvia	Both	Liver cancer due to NASH	2019	0.2090	0.1387	0.3117
Lebanon	Both	Liver cancer due to NASH	2019	0.3773	0.2385	0.6033
Lesotho	Both	Liver cancer due to NASH	2019	1.2979	0.5623	2.2001
Liberia	Both	Liver cancer due to NASH	2019	0.4977	0.3123	0.7710
Libya	Both	Liver cancer due to NASH	2019	0.7009	0.4534	1.0877
Lithuania	Both	Liver cancer due to NASH	2019	0.2199	0.1447	0.3215
Luxembourg	Both	Liver cancer due to NASH	2019	0.2534	0.1621	0.3843
Madagascar	Both	Liver cancer due to NASH	2019	0.3135	0.1860	0.4935
Malawi	Both	Liver cancer due to NASH	2019	0.3619	0.2416	0.5238
Malaysia	Both	Liver cancer due to NASH	2019	0.6905	0.4492	1.0102
Maldives	Both	Liver cancer due to NASH	2019	0.5278	0.3492	0.7923
Mali	Both	Liver cancer due to NASH	2019	1.0047	0.6394	1.5127
Malta	Both	Liver cancer due to NASH	2019	0.1733	0.1156	0.2526
Marshall Islands	Both	Liver cancer due to NASH	2019	0.8590	0.5482	1.3138
Mauritania	Both	Liver cancer due to NASH	2019	0.4980	0.3169	0.7279
Mauritius	Both	Liver cancer due to NASH	2019	0.2255	0.1465	0.3383
Mexico	Both	Liver cancer due to NASH	2019	0.3540	0.2843	0.4331
Micronesia (Federated States of)	Both	Liver cancer due to NASH	2019	1.0083	0.6034	1.5593
Monaco	Both	Liver cancer due to NASH	2019	0.7214	0.4691	1.0991
Mongolia	Both	Liver cancer due to NASH	2019	7.6185	4.8777	11.4220
Montenegro	Both	Liver cancer due to NASH	2019	0.4944	0.3394	0.7180
Morocco	Both	Liver cancer due to NASH	2019	0.2577	0.1674	0.3757
Mozambique	Both	Liver cancer due to NASH	2019	0.4172	0.2737	0.6252
Myanmar	Both	Liver cancer due to NASH	2019	0.4410	0.2987	0.6380
Namibia	Both	Liver cancer due to NASH	2019	0.2962	0.1911	0.4402
Nauru	Both	Liver cancer due to NASH	2019	0.8935	0.5666	1.3827
Nepal	Both	Liver cancer due to NASH	2019	0.2122	0.1344	0.3314

Netherlands	Both	Liver cancer due to NASH	2019	0.2636	0.1696	0.3909
New Zealand	Both	Liver cancer due to NASH	2019	0.5213	0.4113	0.6458
Nicaragua	Both	Liver cancer due to NASH	2019	0.3202	0.2129	0.4637
Niger	Both	Liver cancer due to NASH	2019	0.0473	0.0292	0.0724
Nigeria	Both	Liver cancer due to NASH	2019	0.3428	0.2600	0.4338
Niue	Both	Liver cancer due to NASH	2019	0.7911	0.5107	1.1512
North Macedonia	Both	Liver cancer due to NASH	2019	0.7313	0.4818	1.0692
Northern Mariana Islands	Both	Liver cancer due to NASH	2019	0.7819	0.5277	1.1334
Norway	Both	Liver cancer due to NASH	2019	0.1901	0.1494	0.2393
Oman	Both	Liver cancer due to NASH	2019	0.6617	0.4541	0.9713
Pakistan	Both	Liver cancer due to NASH	2019	0.2705	0.2017	0.3456
Palau	Both	Liver cancer due to NASH	2019	0.8575	0.5374	1.2811
Palestine	Both	Liver cancer due to NASH	2019	0.6927	0.4675	0.9998
Panama	Both	Liver cancer due to NASH	2019	0.2389	0.1515	0.3568
Papua New Guinea	Both	Liver cancer due to NASH	2019	0.1144	0.0727	0.1757
Paraguay	Both	Liver cancer due to NASH	2019	0.1135	0.0710	0.1742
Peru	Both	Liver cancer due to NASH	2019	0.2471	0.1526	0.3625
Philippines	Both	Liver cancer due to NASH	2019	0.5153	0.4068	0.6483
Poland	Both	Liver cancer due to NASH	2019	0.1559	0.1240	0.1944
Portugal	Both	Liver cancer due to NASH	2019	0.2867	0.1845	0.4369
Puerto Rico	Both	Liver cancer due to NASH	2019	0.3494	0.2267	0.5234
Qatar	Both	Liver cancer due to NASH	2019	2.8360	1.7749	4.3161
Republic of Korea	Both	Liver cancer due to NASH	2019	1.2519	0.8327	1.8341
Republic of Moldova	Both	Liver cancer due to NASH	2019	0.1501	0.1040	0.2151
Romania	Both	Liver cancer due to NASH	2019	0.2224	0.1481	0.3243
Russian Federation	Both	Liver cancer due to NASH	2019	0.2375	0.1900	0.2907
Rwanda	Both	Liver cancer due to NASH	2019	0.5254	0.3431	0.7577
Saint Kitts and Nevis	Both	Liver cancer due to NASH	2019	0.3712	0.2576	0.5348
Saint Lucia	Both	Liver cancer due to NASH	2019	0.1930	0.1345	0.2739
Saint Vincent and the Grenadines	Both	Liver cancer due to NASH	2019	0.2631	0.1834	0.3700
Samoa	Both	Liver cancer due to NASH	2019	0.4407	0.2867	0.6487
San Marino	Both	Liver cancer due to NASH	2019	0.2140	0.1352	0.3404
Sao Tome and Principe	Both	Liver cancer due to NASH	2019	0.2597	0.1606	0.3927
Saudi Arabia	Both	Liver cancer due to NASH	2019	0.8295	0.5467	1.2392
Senegal	Both	Liver cancer due to NASH	2019	0.2639	0.1701	0.3865
Serbia	Both	Liver cancer due to NASH	2019	0.3801	0.2478	0.5568
Seychelles	Both	Liver cancer due to NASH	2019	0.5908	0.4107	0.8320
Sierra Leone	Both	Liver cancer due to NASH	2019	0.4289	0.2757	0.6477
Singapore	Both	Liver cancer due to NASH	2019	0.5638	0.3404	0.8718
Slovakia	Both	Liver cancer due to NASH	2019	0.2570	0.1661	0.3822
Slovenia	Both	Liver cancer due to NASH	2019	0.4582	0.2861	0.7035
Solomon Islands	Both	Liver cancer due to NASH	2019	0.4820	0.3232	0.6935
Somalia	Both	Liver cancer due to NASH	2019	0.4051	0.2354	0.7089
South Africa	Both	Liver cancer due to NASH	2019	0.6732	0.5687	0.8059
South Sudan	Both	Liver cancer due to NASH	2019	0.3587	0.1983	0.6123
Spain	Both	Liver cancer due to NASH	2019	0.3175	0.1985	0.4867
Sri Lanka	Both	Liver cancer due to NASH	2019	0.2768	0.1729	0.4296
Sudan	Both	Liver cancer due to NASH	2019	0.5002	0.2937	0.7992
Suriname	Both	Liver cancer due to NASH	2019	0.2474	0.1651	0.3620
Sweden	Both	Liver cancer due to NASH	2019	0.2241	0.1769	0.2752
Switzerland	Both	Liver cancer due to NASH	2019	0.3216	0.1998	0.5039
Syrian Arab Republic	Both	Liver cancer due to NASH	2019	0.5625	0.3589	0.8483
Taiwan (Province of China)	Both	Liver cancer due to NASH	2019	0.6786	0.4327	1.0304
Tajikistan	Both	Liver cancer due to NASH	2019	0.2154	0.1396	0.3187
Thailand	Both	Liver cancer due to NASH	2019	2.3422	1.4750	3.5095
Timor-Leste	Both	Liver cancer due to NASH	2019	0.5170	0.3113	0.7871
Togo	Both	Liver cancer due to NASH	2019	0.4842	0.3154	0.7467
Tokelau	Both	Liver cancer due to NASH	2019	0.7190	0.4557	1.0670
Tonga	Both	Liver cancer due to NASH	2019	2.3432	1.4736	3.4656
Trinidad and Tobago	Both	Liver cancer due to NASH	2019	0.2737	0.1769	0.4132
Tunisia	Both	Liver cancer due to NASH	2019	0.1538	0.0918	0.2465
Turkey	Both	Liver cancer due to NASH	2019	0.3733	0.2475	0.5385
Turkmenistan	Both	Liver cancer due to NASH	2019	0.4005	0.2593	0.6001
Tuvalu	Both	Liver cancer due to NASH	2019	0.7475	0.4736	1.1338

Uganda	Both	Liver cancer due to NASH	2019	0.6971	0.4629	1.0454
Ukraine	Both	Liver cancer due to NASH	2019	0.2071	0.1665	0.2508
United Arab Emirates	Both	Liver cancer due to NASH	2019	0.6101	0.2426	1.5177
United Kingdom	Both	Liver cancer due to NASH	2019	0.3562	0.2820	0.4463
United Republic of Tanzania	Both	Liver cancer due to NASH	2019	0.3034	0.2044	0.4339
United States of America	Both	Liver cancer due to NASH	2019	0.5070	0.3969	0.6278
United States Virgin Islands	Both	Liver cancer due to NASH	2019	0.3024	0.2106	0.4310
Uruguay	Both	Liver cancer due to NASH	2019	0.2185	0.1432	0.3326
Uzbekistan	Both	Liver cancer due to NASH	2019	0.5071	0.3476	0.7287
Vanuatu	Both	Liver cancer due to NASH	2019	0.7363	0.4456	1.1444
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to NASH	2019	0.1940	0.1261	0.3009
Viet Nam	Both	Liver cancer due to NASH	2019	0.2446	0.1558	0.3663
Yemen	Both	Liver cancer due to NASH	2019	0.2725	0.1668	0.4293
Zambia	Both	Liver cancer due to NASH	2019	0.3658	0.2421	0.5343
Zimbabwe	Both	Liver cancer due to NASH	2019	1.2506	0.7981	1.8984

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to NASH	1990	0.4634	0.3744	0.5683
Global	Female	Liver cancer due to NASH	1990	0.4467	0.3664	0.5476
Global	Both	Liver cancer due to NASH	1990	0.4552	0.3752	0.5520
Global	Male	Liver cancer due to NASH	1991	0.4779	0.3876	0.5816
Global	Female	Liver cancer due to NASH	1991	0.4534	0.3706	0.5568
Global	Both	Liver cancer due to NASH	1991	0.4656	0.3826	0.5592
Global	Male	Liver cancer due to NASH	1992	0.4912	0.3979	0.5998
Global	Female	Liver cancer due to NASH	1992	0.4608	0.3755	0.5620
Global	Both	Liver cancer due to NASH	1992	0.4757	0.3932	0.5710
Global	Male	Liver cancer due to NASH	1993	0.5063	0.4138	0.6201
Global	Female	Liver cancer due to NASH	1993	0.4679	0.3862	0.5643
Global	Both	Liver cancer due to NASH	1993	0.4865	0.4063	0.5833
Global	Male	Liver cancer due to NASH	1994	0.5210	0.4250	0.6258
Global	Female	Liver cancer due to NASH	1994	0.4744	0.3918	0.5726
Global	Both	Liver cancer due to NASH	1994	0.4966	0.4112	0.5935
Global	Male	Liver cancer due to NASH	1995	0.5328	0.4392	0.6486
Global	Female	Liver cancer due to NASH	1995	0.4783	0.3954	0.5768
Global	Both	Liver cancer due to NASH	1995	0.5041	0.4255	0.6019
Global	Male	Liver cancer due to NASH	1996	0.5427	0.4482	0.6574
Global	Female	Liver cancer due to NASH	1996	0.4815	0.4032	0.5768
Global	Both	Liver cancer due to NASH	1996	0.5102	0.4268	0.6115
Global	Male	Liver cancer due to NASH	1997	0.5476	0.4533	0.6599
Global	Female	Liver cancer due to NASH	1997	0.4820	0.4032	0.5723
Global	Both	Liver cancer due to NASH	1997	0.5128	0.4289	0.6107
Global	Male	Liver cancer due to NASH	1998	0.5531	0.4559	0.6597
Global	Female	Liver cancer due to NASH	1998	0.4824	0.4020	0.5755
Global	Both	Liver cancer due to NASH	1998	0.5155	0.4340	0.6157
Global	Male	Liver cancer due to NASH	1999	0.5524	0.4588	0.6684
Global	Female	Liver cancer due to NASH	1999	0.4817	0.4000	0.5771
Global	Both	Liver cancer due to NASH	1999	0.5150	0.4297	0.6145
Global	Male	Liver cancer due to NASH	2000	0.5393	0.4419	0.6512
Global	Female	Liver cancer due to NASH	2000	0.4694	0.3884	0.5631
Global	Both	Liver cancer due to NASH	2000	0.5024	0.4175	0.6031
Global	Male	Liver cancer due to NASH	2001	0.5127	0.4225	0.6263
Global	Female	Liver cancer due to NASH	2001	0.4456	0.3681	0.5345
Global	Both	Liver cancer due to NASH	2001	0.4773	0.3971	0.5729
Global	Male	Liver cancer due to NASH	2002	0.4773	0.3953	0.5810
Global	Female	Liver cancer due to NASH	2002	0.4211	0.3523	0.5057
Global	Both	Liver cancer due to NASH	2002	0.4476	0.3752	0.5414
Global	Male	Liver cancer due to NASH	2003	0.4497	0.3697	0.5458
Global	Female	Liver cancer due to NASH	2003	0.3991	0.3306	0.4833
Global	Both	Liver cancer due to NASH	2003	0.4230	0.3506	0.5159
Global	Male	Liver cancer due to NASH	2004	0.4294	0.3500	0.5286
Global	Female	Liver cancer due to NASH	2004	0.3830	0.3152	0.4632
Global	Both	Liver cancer due to NASH	2004	0.4050	0.3325	0.4926

Global	Male	Liver cancer due to NASH	2005	0.4234	0.3449	0.5199
Global	Female	Liver cancer due to NASH	2005	0.3778	0.3116	0.4601
Global	Both	Liver cancer due to NASH	2005	0.3995	0.3290	0.4876
Global	Male	Liver cancer due to NASH	2006	0.4204	0.3411	0.5128
Global	Female	Liver cancer due to NASH	2006	0.3786	0.3121	0.4584
Global	Both	Liver cancer due to NASH	2006	0.3987	0.3279	0.4863
Global	Male	Liver cancer due to NASH	2007	0.4206	0.3437	0.5188
Global	Female	Liver cancer due to NASH	2007	0.3796	0.3121	0.4605
Global	Both	Liver cancer due to NASH	2007	0.3994	0.3260	0.4875
Global	Male	Liver cancer due to NASH	2008	0.4245	0.3452	0.5247
Global	Female	Liver cancer due to NASH	2008	0.3842	0.3145	0.4695
Global	Both	Liver cancer due to NASH	2008	0.4037	0.3315	0.4950
Global	Male	Liver cancer due to NASH	2009	0.4248	0.3456	0.5263
Global	Female	Liver cancer due to NASH	2009	0.3839	0.3144	0.4709
Global	Both	Liver cancer due to NASH	2009	0.4037	0.3321	0.4974
Global	Male	Liver cancer due to NASH	2010	0.4250	0.3471	0.5247
Global	Female	Liver cancer due to NASH	2010	0.3850	0.3185	0.4682
Global	Both	Liver cancer due to NASH	2010	0.4044	0.3333	0.4940
Global	Male	Liver cancer due to NASH	2011	0.4261	0.3489	0.5268
Global	Female	Liver cancer due to NASH	2011	0.3854	0.3128	0.4715
Global	Both	Liver cancer due to NASH	2011	0.4050	0.3311	0.4964
Global	Male	Liver cancer due to NASH	2012	0.4300	0.3500	0.5297
Global	Female	Liver cancer due to NASH	2012	0.3852	0.3137	0.4699
Global	Both	Liver cancer due to NASH	2012	0.4067	0.3325	0.4967
Global	Male	Liver cancer due to NASH	2013	0.4373	0.3584	0.5429
Global	Female	Liver cancer due to NASH	2013	0.3887	0.3178	0.4747
Global	Both	Liver cancer due to NASH	2013	0.4119	0.3384	0.5050
Global	Male	Liver cancer due to NASH	2014	0.4460	0.3631	0.5524
Global	Female	Liver cancer due to NASH	2014	0.3927	0.3211	0.4829
Global	Both	Liver cancer due to NASH	2014	0.4180	0.3426	0.5121
Global	Male	Liver cancer due to NASH	2015	0.4547	0.3689	0.5634
Global	Female	Liver cancer due to NASH	2015	0.3964	0.3238	0.4841
Global	Both	Liver cancer due to NASH	2015	0.4240	0.3488	0.5182
Global	Male	Liver cancer due to NASH	2016	0.4582	0.3721	0.5660
Global	Female	Liver cancer due to NASH	2016	0.3974	0.3229	0.4902
Global	Both	Liver cancer due to NASH	2016	0.4262	0.3477	0.5216
Global	Male	Liver cancer due to NASH	2017	0.4600	0.3705	0.5726
Global	Female	Liver cancer due to NASH	2017	0.3964	0.3238	0.4893
Global	Both	Liver cancer due to NASH	2017	0.4265	0.3487	0.5238
Global	Male	Liver cancer due to NASH	2018	0.4632	0.3725	0.5732
Global	Female	Liver cancer due to NASH	2018	0.3966	0.3211	0.4899
Global	Both	Liver cancer due to NASH	2018	0.4281	0.3478	0.5247
Global	Male	Liver cancer due to NASH	2019	0.4695	0.3800	0.5928
Global	Female	Liver cancer due to NASH	2019	0.3971	0.3174	0.4987
Global	Both	Liver cancer due to NASH	2019	0.4312	0.3526	0.5339

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to NASH	1990	0.2609	0.2137	0.3193
High SDI	Both	Liver cancer due to NASH	1991	0.2684	0.2201	0.3286
High SDI	Both	Liver cancer due to NASH	1992	0.2780	0.2277	0.3405
High SDI	Both	Liver cancer due to NASH	1993	0.2892	0.2367	0.3530
High SDI	Both	Liver cancer due to NASH	1994	0.3017	0.2466	0.3676
High SDI	Both	Liver cancer due to NASH	1995	0.3178	0.2601	0.3862
High SDI	Both	Liver cancer due to NASH	1996	0.3326	0.2719	0.4052
High SDI	Both	Liver cancer due to NASH	1997	0.3487	0.2848	0.4255
High SDI	Both	Liver cancer due to NASH	1998	0.3705	0.3024	0.4529
High SDI	Both	Liver cancer due to NASH	1999	0.3886	0.3171	0.4760
High SDI	Both	Liver cancer due to NASH	2000	0.3992	0.3259	0.4909
High SDI	Both	Liver cancer due to NASH	2001	0.4024	0.3269	0.4969
High SDI	Both	Liver cancer due to NASH	2002	0.4030	0.3273	0.4979
High SDI	Both	Liver cancer due to NASH	2003	0.4078	0.3316	0.5035
High SDI	Both	Liver cancer due to NASH	2004	0.4090	0.3324	0.5020
High SDI	Both	Liver cancer due to NASH	2005	0.4113	0.3339	0.5068
High SDI	Both	Liver cancer due to NASH	2006	0.4132	0.3349	0.5077
High SDI	Both	Liver cancer due to NASH	2007	0.4150	0.3345	0.5118
High SDI	Both	Liver cancer due to NASH	2008	0.4151	0.3359	0.5120
High SDI	Both	Liver cancer due to NASH	2009	0.4135	0.3352	0.5106
High SDI	Both	Liver cancer due to NASH	2010	0.4128	0.3350	0.5108
High SDI	Both	Liver cancer due to NASH	2011	0.4131	0.3346	0.5124
High SDI	Both	Liver cancer due to NASH	2012	0.4133	0.3351	0.5132
High SDI	Both	Liver cancer due to NASH	2013	0.4131	0.3342	0.5146
High SDI	Both	Liver cancer due to NASH	2014	0.4138	0.3338	0.5144
High SDI	Both	Liver cancer due to NASH	2015	0.4158	0.3347	0.5185
High SDI	Both	Liver cancer due to NASH	2016	0.4161	0.3335	0.5214
High SDI	Both	Liver cancer due to NASH	2017	0.4138	0.3299	0.5179
High SDI	Both	Liver cancer due to NASH	2018	0.4159	0.3318	0.5212
High SDI	Both	Liver cancer due to NASH	2019	0.4189	0.3335	0.5261
High-middle SDI	Both	Liver cancer due to NASH	1990	0.4513	0.3672	0.5482
High-middle SDI	Both	Liver cancer due to NASH	1991	0.4641	0.3823	0.5545
High-middle SDI	Both	Liver cancer due to NASH	1992	0.4747	0.3900	0.5710
High-middle SDI	Both	Liver cancer due to NASH	1993	0.4851	0.4033	0.5794
High-middle SDI	Both	Liver cancer due to NASH	1994	0.4939	0.4076	0.5881
High-middle SDI	Both	Liver cancer due to NASH	1995	0.4976	0.4170	0.5930
High-middle SDI	Both	Liver cancer due to NASH	1996	0.4983	0.4164	0.5960
High-middle SDI	Both	Liver cancer due to NASH	1997	0.4950	0.4144	0.5883
High-middle SDI	Both	Liver cancer due to NASH	1998	0.4896	0.4123	0.5814
High-middle SDI	Both	Liver cancer due to NASH	1999	0.4822	0.4023	0.5710
High-middle SDI	Both	Liver cancer due to NASH	2000	0.4607	0.3821	0.5510
High-middle SDI	Both	Liver cancer due to NASH	2001	0.4230	0.3529	0.5078
High-middle SDI	Both	Liver cancer due to NASH	2002	0.3777	0.3152	0.4534
High-middle SDI	Both	Liver cancer due to NASH	2003	0.3387	0.2786	0.4111
High-middle SDI	Both	Liver cancer due to NASH	2004	0.3115	0.2576	0.3789
High-middle SDI	Both	Liver cancer due to NASH	2005	0.3021	0.2485	0.3671
High-middle SDI	Both	Liver cancer due to NASH	2006	0.2987	0.2456	0.3632
High-middle SDI	Both	Liver cancer due to NASH	2007	0.2986	0.2450	0.3640
High-middle SDI	Both	Liver cancer due to NASH	2008	0.3039	0.2499	0.3691

High-middle SDI	Both	Liver cancer due to NASH	2009	0.3004	0.2460	0.3667
High-middle SDI	Both	Liver cancer due to NASH	2010	0.2968	0.2446	0.3601
High-middle SDI	Both	Liver cancer due to NASH	2011	0.2916	0.2393	0.3542
High-middle SDI	Both	Liver cancer due to NASH	2012	0.2898	0.2369	0.3522
High-middle SDI	Both	Liver cancer due to NASH	2013	0.2918	0.2394	0.3543
High-middle SDI	Both	Liver cancer due to NASH	2014	0.2969	0.2445	0.3592
High-middle SDI	Both	Liver cancer due to NASH	2015	0.3010	0.2491	0.3622
High-middle SDI	Both	Liver cancer due to NASH	2016	0.3028	0.2471	0.3685
High-middle SDI	Both	Liver cancer due to NASH	2017	0.3027	0.2471	0.3687
High-middle SDI	Both	Liver cancer due to NASH	2018	0.3028	0.2472	0.3666
High-middle SDI	Both	Liver cancer due to NASH	2019	0.3045	0.2480	0.3741
Low SDI	Both	Liver cancer due to NASH	1990	0.3610	0.2734	0.4743
Low SDI	Both	Liver cancer due to NASH	1991	0.3634	0.2758	0.4774
Low SDI	Both	Liver cancer due to NASH	1992	0.3666	0.2780	0.4843
Low SDI	Both	Liver cancer due to NASH	1993	0.3698	0.2817	0.4835
Low SDI	Both	Liver cancer due to NASH	1994	0.3724	0.2847	0.4920
Low SDI	Both	Liver cancer due to NASH	1995	0.3749	0.2872	0.4929
Low SDI	Both	Liver cancer due to NASH	1996	0.3771	0.2881	0.4944
Low SDI	Both	Liver cancer due to NASH	1997	0.3797	0.2919	0.4966
Low SDI	Both	Liver cancer due to NASH	1998	0.3804	0.2909	0.5008
Low SDI	Both	Liver cancer due to NASH	1999	0.3793	0.2899	0.4980
Low SDI	Both	Liver cancer due to NASH	2000	0.3794	0.2904	0.4935
Low SDI	Both	Liver cancer due to NASH	2001	0.3783	0.2896	0.4924
Low SDI	Both	Liver cancer due to NASH	2002	0.3783	0.2914	0.4906
Low SDI	Both	Liver cancer due to NASH	2003	0.3792	0.2897	0.4915
Low SDI	Both	Liver cancer due to NASH	2004	0.3787	0.2884	0.4945
Low SDI	Both	Liver cancer due to NASH	2005	0.3786	0.2886	0.4932
Low SDI	Both	Liver cancer due to NASH	2006	0.3766	0.2893	0.4896
Low SDI	Both	Liver cancer due to NASH	2007	0.3753	0.2902	0.4875
Low SDI	Both	Liver cancer due to NASH	2008	0.3757	0.2893	0.4865
Low SDI	Both	Liver cancer due to NASH	2009	0.3750	0.2863	0.4842
Low SDI	Both	Liver cancer due to NASH	2010	0.3748	0.2863	0.4884
Low SDI	Both	Liver cancer due to NASH	2011	0.3738	0.2868	0.4825
Low SDI	Both	Liver cancer due to NASH	2012	0.3733	0.2869	0.4826
Low SDI	Both	Liver cancer due to NASH	2013	0.3763	0.2885	0.4884
Low SDI	Both	Liver cancer due to NASH	2014	0.3743	0.2872	0.4887
Low SDI	Both	Liver cancer due to NASH	2015	0.3747	0.2837	0.4824
Low SDI	Both	Liver cancer due to NASH	2016	0.3719	0.2832	0.4847
Low SDI	Both	Liver cancer due to NASH	2017	0.3709	0.2815	0.4846
Low SDI	Both	Liver cancer due to NASH	2018	0.3726	0.2836	0.4837
Low SDI	Both	Liver cancer due to NASH	2019	0.3746	0.2854	0.4875
Low-middle SDI	Both	Liver cancer due to NASH	1990	0.3761	0.3049	0.4662
Low-middle SDI	Both	Liver cancer due to NASH	1991	0.3812	0.3087	0.4702
Low-middle SDI	Both	Liver cancer due to NASH	1992	0.3871	0.3123	0.4812
Low-middle SDI	Both	Liver cancer due to NASH	1993	0.3943	0.3170	0.4853
Low-middle SDI	Both	Liver cancer due to NASH	1994	0.3982	0.3187	0.4914
Low-middle SDI	Both	Liver cancer due to NASH	1995	0.3990	0.3227	0.4963
Low-middle SDI	Both	Liver cancer due to NASH	1996	0.4010	0.3197	0.4971
Low-middle SDI	Both	Liver cancer due to NASH	1997	0.4043	0.3278	0.4961
Low-middle SDI	Both	Liver cancer due to NASH	1998	0.4010	0.3250	0.4933
Low-middle SDI	Both	Liver cancer due to NASH	1999	0.3937	0.3178	0.4844
Low-middle SDI	Both	Liver cancer due to NASH	2000	0.3867	0.3109	0.4782



Low-middle SDI	Both	Liver cancer due to NASH	2001	0.3779	0.3042	0.4656
Low-middle SDI	Both	Liver cancer due to NASH	2002	0.3689	0.2952	0.4570
Low-middle SDI	Both	Liver cancer due to NASH	2003	0.3552	0.2834	0.4442
Low-middle SDI	Both	Liver cancer due to NASH	2004	0.3437	0.2697	0.4278
Low-middle SDI	Both	Liver cancer due to NASH	2005	0.3442	0.2703	0.4266
Low-middle SDI	Both	Liver cancer due to NASH	2006	0.3457	0.2726	0.4281
Low-middle SDI	Both	Liver cancer due to NASH	2007	0.3449	0.2740	0.4289
Low-middle SDI	Both	Liver cancer due to NASH	2008	0.3468	0.2765	0.4294
Low-middle SDI	Both	Liver cancer due to NASH	2009	0.3421	0.2703	0.4282
Low-middle SDI	Both	Liver cancer due to NASH	2010	0.3431	0.2719	0.4293
Low-middle SDI	Both	Liver cancer due to NASH	2011	0.3460	0.2749	0.4314
Low-middle SDI	Both	Liver cancer due to NASH	2012	0.3467	0.2768	0.4291
Low-middle SDI	Both	Liver cancer due to NASH	2013	0.3547	0.2852	0.4364
Low-middle SDI	Both	Liver cancer due to NASH	2014	0.3600	0.2919	0.4455
Low-middle SDI	Both	Liver cancer due to NASH	2015	0.3674	0.2959	0.4540
Low-middle SDI	Both	Liver cancer due to NASH	2016	0.3670	0.2958	0.4556
Low-middle SDI	Both	Liver cancer due to NASH	2017	0.3684	0.2987	0.4611
Low-middle SDI	Both	Liver cancer due to NASH	2018	0.3724	0.2976	0.4598
Low-middle SDI	Both	Liver cancer due to NASH	2019	0.3755	0.3020	0.4694
Middle SDI	Both	Liver cancer due to NASH	1990	0.7413	0.6015	0.9127
Middle SDI	Both	Liver cancer due to NASH	1991	0.7538	0.6128	0.9103
Middle SDI	Both	Liver cancer due to NASH	1992	0.7641	0.6273	0.9198
Middle SDI	Both	Liver cancer due to NASH	1993	0.7748	0.6396	0.9336
Middle SDI	Both	Liver cancer due to NASH	1994	0.7850	0.6456	0.9320
Middle SDI	Both	Liver cancer due to NASH	1995	0.7888	0.6564	0.9384
Middle SDI	Both	Liver cancer due to NASH	1996	0.7918	0.6605	0.9398
Middle SDI	Both	Liver cancer due to NASH	1997	0.7829	0.6571	0.9262
Middle SDI	Both	Liver cancer due to NASH	1998	0.7756	0.6520	0.9264
Middle SDI	Both	Liver cancer due to NASH	1999	0.7638	0.6411	0.9057
Middle SDI	Both	Liver cancer due to NASH	2000	0.7292	0.6032	0.8717
Middle SDI	Both	Liver cancer due to NASH	2001	0.6730	0.5607	0.8048
Middle SDI	Both	Liver cancer due to NASH	2002	0.6102	0.5116	0.7278
Middle SDI	Both	Liver cancer due to NASH	2003	0.5583	0.4643	0.6699
Middle SDI	Both	Liver cancer due to NASH	2004	0.5221	0.4337	0.6296
Middle SDI	Both	Liver cancer due to NASH	2005	0.5074	0.4207	0.6150
Middle SDI	Both	Liver cancer due to NASH	2006	0.5040	0.4171	0.6125
Middle SDI	Both	Liver cancer due to NASH	2007	0.5041	0.4141	0.6128
Middle SDI	Both	Liver cancer due to NASH	2008	0.5127	0.4241	0.6256
Middle SDI	Both	Liver cancer due to NASH	2009	0.5188	0.4228	0.6352
Middle SDI	Both	Liver cancer due to NASH	2010	0.5236	0.4320	0.6359
Middle SDI	Both	Liver cancer due to NASH	2011	0.5277	0.4301	0.6483
Middle SDI	Both	Liver cancer due to NASH	2012	0.5334	0.4391	0.6516
Middle SDI	Both	Liver cancer due to NASH	2013	0.5448	0.4498	0.6661
Middle SDI	Both	Liver cancer due to NASH	2014	0.5575	0.4536	0.6816
Middle SDI	Both	Liver cancer due to NASH	2015	0.5673	0.4657	0.6928
Middle SDI	Both	Liver cancer due to NASH	2016	0.5722	0.4651	0.7042
Middle SDI	Both	Liver cancer due to NASH	2017	0.5741	0.4699	0.7072
Middle SDI	Both	Liver cancer due to NASH	2018	0.5746	0.4639	0.7139
Middle SDI	Both	Liver cancer due to NASH	2019	0.5780	0.4659	0.7281

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to NASH	2019	0.9045	0.5714	1.3352
Albania	Both	Liver cancer due to NASH	2019	0.5603	0.3503	0.8585
Algeria	Both	Liver cancer due to NASH	2019	0.2500	0.1607	0.3718
American Samoa	Both	Liver cancer due to NASH	2019	0.8432	0.5853	1.2028
Andorra	Both	Liver cancer due to NASH	2019	0.6463	0.3962	1.0140
Angola	Both	Liver cancer due to NASH	2019	0.1824	0.1219	0.2723
Antigua and Barbuda	Both	Liver cancer due to NASH	2019	0.2826	0.1926	0.4039
Argentina	Both	Liver cancer due to NASH	2019	0.1988	0.1364	0.2843
Armenia	Both	Liver cancer due to NASH	2019	0.5690	0.3851	0.8263
Australia	Both	Liver cancer due to NASH	2019	0.4543	0.3214	0.6150
Austria	Both	Liver cancer due to NASH	2019	0.2206	0.1453	0.3342
Azerbaijan	Both	Liver cancer due to NASH	2019	0.3702	0.2275	0.5980
Bahamas	Both	Liver cancer due to NASH	2019	0.3230	0.2190	0.4733
Bahrain	Both	Liver cancer due to NASH	2019	0.7723	0.5124	1.1631
Bangladesh	Both	Liver cancer due to NASH	2019	0.2156	0.1425	0.3185
Barbados	Both	Liver cancer due to NASH	2019	0.2947	0.2046	0.4260
Belarus	Both	Liver cancer due to NASH	2019	0.1807	0.1134	0.2754
Belgium	Both	Liver cancer due to NASH	2019	0.2406	0.1636	0.3476
Belize	Both	Liver cancer due to NASH	2019	0.3234	0.2215	0.4573
Benin	Both	Liver cancer due to NASH	2019	0.5346	0.3545	0.8027
Bermuda	Both	Liver cancer due to NASH	2019	0.2207	0.1471	0.3229
Bhutan	Both	Liver cancer due to NASH	2019	0.3224	0.1923	0.5082
Bolivia (Plurinational State of)	Both	Liver cancer due to NASH	2019	0.5340	0.3395	0.8337
Bosnia and Herzegovina	Both	Liver cancer due to NASH	2019	0.7843	0.5221	1.1520
Botswana	Both	Liver cancer due to NASH	2019	0.1592	0.1011	0.2433
Brazil	Both	Liver cancer due to NASH	2019	0.1622	0.1366	0.1907
Brunei Darussalam	Both	Liver cancer due to NASH	2019	0.7118	0.4665	1.0395
Bulgaria	Both	Liver cancer due to NASH	2019	0.3463	0.2322	0.4979
Burkina Faso	Both	Liver cancer due to NASH	2019	0.2124	0.1392	0.3140
Burundi	Both	Liver cancer due to NASH	2019	0.3693	0.2303	0.6040
Cabo Verde	Both	Liver cancer due to NASH	2019	1.4117	0.9649	2.0915
Cambodia	Both	Liver cancer due to NASH	2019	0.6557	0.4333	0.9668
Cameroon	Both	Liver cancer due to NASH	2019	0.0720	0.0459	0.1100
Canada	Both	Liver cancer due to NASH	2019	0.5016	0.3571	0.7036
Central African Republic	Both	Liver cancer due to NASH	2019	0.2403	0.1376	0.3913
Chad	Both	Liver cancer due to NASH	2019	0.4850	0.3091	0.7173
Chile	Both	Liver cancer due to NASH	2019	0.3206	0.2202	0.4537
China	Both	Liver cancer due to NASH	2019	0.4837	0.3916	0.5929
Colombia	Both	Liver cancer due to NASH	2019	0.2080	0.1315	0.3187
Comoros	Both	Liver cancer due to NASH	2019	0.4601	0.2822	0.7358
Congo	Both	Liver cancer due to NASH	2019	0.2555	0.1554	0.3944
Cook Islands	Both	Liver cancer due to NASH	2019	1.3352	0.9119	1.8680
Costa Rica	Both	Liver cancer due to NASH	2019	0.4835	0.3068	0.7239
Côte d'Ivoire	Both	Liver cancer due to NASH	2019	0.4912	0.3209	0.7558
Croatia	Both	Liver cancer due to NASH	2019	0.3359	0.2188	0.4966
Cuba	Both	Liver cancer due to NASH	2019	0.2509	0.1644	0.3788
Cyprus	Both	Liver cancer due to NASH	2019	0.2251	0.1454	0.3290
Czechia	Both	Liver cancer due to NASH	2019	0.2220	0.1459	0.3259
Democratic People's Republic of Korea	Both	Liver cancer due to NASH	2019	0.5065	0.3113	0.7857
Democratic Republic of the Congo	Both	Liver cancer due to NASH	2019	0.1605	0.1032	0.2442
Denmark	Both	Liver cancer due to NASH	2019	0.2016	0.1361	0.2898
Djibouti	Both	Liver cancer due to NASH	2019	0.4781	0.2755	0.8047
Dominica	Both	Liver cancer due to NASH	2019	0.3377	0.2299	0.4882
Dominican Republic	Both	Liver cancer due to NASH	2019	0.4526	0.2802	0.6980
Ecuador	Both	Liver cancer due to NASH	2019	0.4889	0.3224	0.7124
Egypt	Both	Liver cancer due to NASH	2019	1.9569	1.1755	3.0915
El Salvador	Both	Liver cancer due to NASH	2019	0.1950	0.1209	0.3029
Equatorial Guinea	Both	Liver cancer due to NASH	2019	0.3155	0.1712	0.5152

Eritrea	Both	Liver cancer due to NASH	2019	0.4456	0.2746	0.7074
Estonia	Both	Liver cancer due to NASH	2019	0.2979	0.1898	0.4527
Eswatini	Both	Liver cancer due to NASH	2019	1.8679	0.6231	3.4351
Ethiopia	Both	Liver cancer due to NASH	2019	0.3098	0.2399	0.4052
Fiji	Both	Liver cancer due to NASH	2019	0.6659	0.4343	0.9801
Finland	Both	Liver cancer due to NASH	2019	0.2722	0.1840	0.3980
France	Both	Liver cancer due to NASH	2019	0.3584	0.2380	0.5281
Gabon	Both	Liver cancer due to NASH	2019	0.2954	0.1739	0.4652
Gambia	Both	Liver cancer due to NASH	2019	3.4336	2.2295	5.1561
Georgia	Both	Liver cancer due to NASH	2019	0.2570	0.1763	0.3671
Germany	Both	Liver cancer due to NASH	2019	0.3293	0.2286	0.4637
Ghana	Both	Liver cancer due to NASH	2019	0.5146	0.3395	0.7562
Greece	Both	Liver cancer due to NASH	2019	0.2375	0.1598	0.3423
Greenland	Both	Liver cancer due to NASH	2019	0.6682	0.4371	0.9518
Grenada	Both	Liver cancer due to NASH	2019	0.2859	0.1931	0.4129
Guam	Both	Liver cancer due to NASH	2019	0.5748	0.3878	0.8424
Guatemala	Both	Liver cancer due to NASH	2019	0.4270	0.2779	0.6376
Guinea	Both	Liver cancer due to NASH	2019	2.7532	1.7271	4.2305
Guinea-Bissau	Both	Liver cancer due to NASH	2019	0.6076	0.3689	0.9378
Guyana	Both	Liver cancer due to NASH	2019	0.3039	0.2005	0.4429
Haiti	Both	Liver cancer due to NASH	2019	0.3193	0.1677	0.5246
Honduras	Both	Liver cancer due to NASH	2019	1.3759	0.5159	2.4190
Hungary	Both	Liver cancer due to NASH	2019	0.2206	0.1506	0.3140
Iceland	Both	Liver cancer due to NASH	2019	0.2032	0.1348	0.2978
India	Both	Liver cancer due to NASH	2019	0.3314	0.2617	0.4083
Indonesia	Both	Liver cancer due to NASH	2019	0.2459	0.1974	0.2950
Iran (Islamic Republic of)	Both	Liver cancer due to NASH	2019	0.5357	0.4486	0.6428
Iraq	Both	Liver cancer due to NASH	2019	0.6902	0.4461	1.0077
Ireland	Both	Liver cancer due to NASH	2019	0.2516	0.1672	0.3659
Israel	Both	Liver cancer due to NASH	2019	0.2288	0.1559	0.3298
Italy	Both	Liver cancer due to NASH	2019	0.2236	0.1826	0.2680
Jamaica	Both	Liver cancer due to NASH	2019	0.2751	0.1827	0.4162
Japan	Both	Liver cancer due to NASH	2019	0.3963	0.3152	0.4816
Jordan	Both	Liver cancer due to NASH	2019	0.3206	0.2084	0.4784
Kazakhstan	Both	Liver cancer due to NASH	2019	0.5241	0.3543	0.7652
Kenya	Both	Liver cancer due to NASH	2019	0.5325	0.3580	0.7737
Kiribati	Both	Liver cancer due to NASH	2019	1.1711	0.7682	1.7569
Kuwait	Both	Liver cancer due to NASH	2019	0.3510	0.2253	0.5336
Kyrgyzstan	Both	Liver cancer due to NASH	2019	0.1801	0.1194	0.2616
Lao People's Democratic Republic	Both	Liver cancer due to NASH	2019	0.5807	0.3714	0.8506
Latvia	Both	Liver cancer due to NASH	2019	0.2207	0.1469	0.3313
Lebanon	Both	Liver cancer due to NASH	2019	0.2916	0.1839	0.4660
Lesotho	Both	Liver cancer due to NASH	2019	1.4015	0.6217	2.3363
Liberia	Both	Liver cancer due to NASH	2019	0.5506	0.3481	0.8529
Libya	Both	Liver cancer due to NASH	2019	0.6860	0.4438	1.0626
Lithuania	Both	Liver cancer due to NASH	2019	0.2215	0.1446	0.3242
Luxembourg	Both	Liver cancer due to NASH	2019	0.2372	0.1527	0.3524
Madagascar	Both	Liver cancer due to NASH	2019	0.3440	0.2025	0.5418
Malawi	Both	Liver cancer due to NASH	2019	0.4025	0.2694	0.5804
Malaysia	Both	Liver cancer due to NASH	2019	0.7328	0.4780	1.0811
Maldives	Both	Liver cancer due to NASH	2019	0.5623	0.3692	0.8557
Mali	Both	Liver cancer due to NASH	2019	1.0611	0.6817	1.5936
Malta	Both	Liver cancer due to NASH	2019	0.1588	0.1055	0.2316
Marshall Islands	Both	Liver cancer due to NASH	2019	0.9179	0.5885	1.4032
Mauritania	Both	Liver cancer due to NASH	2019	0.5534	0.3515	0.8118
Mauritius	Both	Liver cancer due to NASH	2019	0.2396	0.1572	0.3586
Mexico	Both	Liver cancer due to NASH	2019	0.3829	0.3088	0.4667
Micronesia (Federated States of)	Both	Liver cancer due to NASH	2019	1.0788	0.6521	1.6744
Monaco	Both	Liver cancer due to NASH	2019	0.6275	0.3980	0.9581
Mongolia	Both	Liver cancer due to NASH	2019	8.7196	5.6446	12.8710
Montenegro	Both	Liver cancer due to NASH	2019	0.5190	0.3479	0.7529

Morocco	Both	Liver cancer due to NASH	2019	0.2796	0.1803	0.4079
Mozambique	Both	Liver cancer due to NASH	2019	0.4676	0.3074	0.7018
Myanmar	Both	Liver cancer due to NASH	2019	0.4812	0.3297	0.7083
Namibia	Both	Liver cancer due to NASH	2019	0.3221	0.2091	0.4749
Nauru	Both	Liver cancer due to NASH	2019	0.9446	0.5999	1.4513
Nepal	Both	Liver cancer due to NASH	2019	0.2380	0.1485	0.3690
Netherlands	Both	Liver cancer due to NASH	2019	0.2267	0.1593	0.3165
New Zealand	Both	Liver cancer due to NASH	2019	0.4005	0.3386	0.4707
Nicaragua	Both	Liver cancer due to NASH	2019	0.3526	0.2355	0.5075
Niger	Both	Liver cancer due to NASH	2019	0.0519	0.0320	0.0785
Nigeria	Both	Liver cancer due to NASH	2019	0.3843	0.2951	0.4883
Niue	Both	Liver cancer due to NASH	2019	0.8134	0.5248	1.1928
North Macedonia	Both	Liver cancer due to NASH	2019	0.7922	0.5200	1.1551
Northern Mariana Islands	Both	Liver cancer due to NASH	2019	0.7979	0.5389	1.1550
Norway	Both	Liver cancer due to NASH	2019	0.1679	0.1384	0.2035
Oman	Both	Liver cancer due to NASH	2019	0.5928	0.4025	0.8707
Pakistan	Both	Liver cancer due to NASH	2019	0.2866	0.2198	0.3809
Palau	Both	Liver cancer due to NASH	2019	0.8802	0.5590	1.3021
Palestine	Both	Liver cancer due to NASH	2019	0.7016	0.4759	1.0200
Panama	Both	Liver cancer due to NASH	2019	0.2527	0.1584	0.3758
Papua New Guinea	Both	Liver cancer due to NASH	2019	0.1289	0.0811	0.1979
Paraguay	Both	Liver cancer due to NASH	2019	0.1239	0.0771	0.1919
Peru	Both	Liver cancer due to NASH	2019	0.2737	0.1687	0.3987
Philippines	Both	Liver cancer due to NASH	2019	0.5481	0.4300	0.6817
Poland	Both	Liver cancer due to NASH	2019	0.1718	0.1363	0.2163
Portugal	Both	Liver cancer due to NASH	2019	0.2791	0.1914	0.4004
Puerto Rico	Both	Liver cancer due to NASH	2019	0.3606	0.2333	0.5413
Qatar	Both	Liver cancer due to NASH	2019	2.5318	1.5601	3.9183
Republic of Korea	Both	Liver cancer due to NASH	2019	0.9435	0.6363	1.3664
Republic of Moldova	Both	Liver cancer due to NASH	2019	0.1624	0.1118	0.2296
Romania	Both	Liver cancer due to NASH	2019	0.2342	0.1562	0.3403
Russian Federation	Both	Liver cancer due to NASH	2019	0.2523	0.2056	0.3114
Rwanda	Both	Liver cancer due to NASH	2019	0.5765	0.3785	0.8234
Saint Kitts and Nevis	Both	Liver cancer due to NASH	2019	0.4014	0.2768	0.5755
Saint Lucia	Both	Liver cancer due to NASH	2019	0.2122	0.1472	0.3003
Saint Vincent and the Grenadines	Both	Liver cancer due to NASH	2019	0.2869	0.1984	0.4094
Samoa	Both	Liver cancer due to NASH	2019	0.4632	0.3032	0.6846
San Marino	Both	Liver cancer due to NASH	2019	0.1925	0.1064	0.3177
Sao Tome and Principe	Both	Liver cancer due to NASH	2019	0.2863	0.1751	0.4397
Saudi Arabia	Both	Liver cancer due to NASH	2019	0.7576	0.4945	1.1504
Senegal	Both	Liver cancer due to NASH	2019	0.2924	0.1884	0.4303
Serbia	Both	Liver cancer due to NASH	2019	0.3987	0.2605	0.5841
Seychelles	Both	Liver cancer due to NASH	2019	0.6283	0.4349	0.8855
Sierra Leone	Both	Liver cancer due to NASH	2019	0.4721	0.3041	0.7091
Singapore	Both	Liver cancer due to NASH	2019	0.4427	0.2795	0.6667
Slovakia	Both	Liver cancer due to NASH	2019	0.2648	0.1709	0.3955
Slovenia	Both	Liver cancer due to NASH	2019	0.4531	0.2777	0.6964
Solomon Islands	Both	Liver cancer due to NASH	2019	0.5037	0.3408	0.7231
Somalia	Both	Liver cancer due to NASH	2019	0.4496	0.2620	0.7809
South Africa	Both	Liver cancer due to NASH	2019	0.7271	0.6092	0.8698
South Sudan	Both	Liver cancer due to NASH	2019	0.3974	0.2199	0.6859
Spain	Both	Liver cancer due to NASH	2019	0.2876	0.1938	0.4237
Sri Lanka	Both	Liver cancer due to NASH	2019	0.2889	0.1791	0.4457
Sudan	Both	Liver cancer due to NASH	2019	0.5420	0.3133	0.8553
Suriname	Both	Liver cancer due to NASH	2019	0.2695	0.1812	0.3921
Sweden	Both	Liver cancer due to NASH	2019	0.2287	0.1886	0.2753
Switzerland	Both	Liver cancer due to NASH	2019	0.2592	0.1725	0.3813
Syrian Arab Republic	Both	Liver cancer due to NASH	2019	0.5526	0.3513	0.8330
Taiwan (Province of China)	Both	Liver cancer due to NASH	2019	0.5815	0.3754	0.8745
Tajikistan	Both	Liver cancer due to NASH	2019	0.2390	0.1511	0.3574
Thailand	Both	Liver cancer due to NASH	2019	2.4111	1.5157	3.5984

Timor-Leste	Both	Liver cancer due to NASH	2019	0.5660	0.3395	0.8548
Togo	Both	Liver cancer due to NASH	2019	0.5305	0.3495	0.8107
Tokelau	Both	Liver cancer due to NASH	2019	0.7601	0.4888	1.1195
Tonga	Both	Liver cancer due to NASH	2019	2.4601	1.5558	3.6184
Trinidad and Tobago	Both	Liver cancer due to NASH	2019	0.2974	0.1910	0.4469
Tunisia	Both	Liver cancer due to NASH	2019	0.1407	0.0831	0.2237
Turkey	Both	Liver cancer due to NASH	2019	0.3420	0.2260	0.4922
Turkmenistan	Both	Liver cancer due to NASH	2019	0.4120	0.2663	0.6170
Tuvalu	Both	Liver cancer due to NASH	2019	0.7978	0.5079	1.1924
Uganda	Both	Liver cancer due to NASH	2019	0.7557	0.4970	1.1153
Ukraine	Both	Liver cancer due to NASH	2019	0.2141	0.1705	0.2636
United Arab Emirates	Both	Liver cancer due to NASH	2019	0.6391	0.2478	1.6202
United Kingdom	Both	Liver cancer due to NASH	2019	0.2999	0.2509	0.3544
United Republic of Tanzania	Both	Liver cancer due to NASH	2019	0.3373	0.2294	0.4820
United States of America	Both	Liver cancer due to NASH	2019	0.4481	0.3682	0.5377
United States Virgin Islands	Both	Liver cancer due to NASH	2019	0.3275	0.2287	0.4694
Uruguay	Both	Liver cancer due to NASH	2019	0.2340	0.1646	0.3262
Uzbekistan	Both	Liver cancer due to NASH	2019	0.5480	0.3746	0.7995
Vanuatu	Both	Liver cancer due to NASH	2019	0.7870	0.4745	1.2137
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to NASH	2019	0.2103	0.1342	0.3215
Viet Nam	Both	Liver cancer due to NASH	2019	0.2675	0.1711	0.4017
Yemen	Both	Liver cancer due to NASH	2019	0.2951	0.1798	0.4626
Zambia	Both	Liver cancer due to NASH	2019	0.4068	0.2714	0.5951
Zimbabwe	Both	Liver cancer due to NASH	2019	1.3102	0.8372	2.0179

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to other causes	1990	0.5618	0.4606	0.6863
Global	Female	Liver cancer due to other causes	1990	0.5527	0.4507	0.6790
Global	Both	Liver cancer due to other causes	1990	0.5571	0.4667	0.6671
Global	Male	Liver cancer due to other causes	1991	0.5822	0.4873	0.6958
Global	Female	Liver cancer due to other causes	1991	0.5661	0.4681	0.6826
Global	Both	Liver cancer due to other causes	1991	0.5738	0.4881	0.6750
Global	Male	Liver cancer due to other causes	1992	0.5985	0.5059	0.7068
Global	Female	Liver cancer due to other causes	1992	0.5756	0.4851	0.6817
Global	Both	Liver cancer due to other causes	1992	0.5865	0.5037	0.6811
Global	Male	Liver cancer due to other causes	1993	0.6107	0.5209	0.7143
Global	Female	Liver cancer due to other causes	1993	0.5822	0.4935	0.6814
Global	Both	Liver cancer due to other causes	1993	0.5957	0.5121	0.6859
Global	Male	Liver cancer due to other causes	1994	0.6194	0.5285	0.7261
Global	Female	Liver cancer due to other causes	1994	0.5862	0.4988	0.6821
Global	Both	Liver cancer due to other causes	1994	0.6019	0.5166	0.6902
Global	Male	Liver cancer due to other causes	1995	0.6237	0.5288	0.7361
Global	Female	Liver cancer due to other causes	1995	0.5870	0.4984	0.6827
Global	Both	Liver cancer due to other causes	1995	0.6044	0.5181	0.6943
Global	Male	Liver cancer due to other causes	1996	0.6228	0.5330	0.7278
Global	Female	Liver cancer due to other causes	1996	0.5830	0.4983	0.6701
Global	Both	Liver cancer due to other causes	1996	0.6019	0.5199	0.6911
Global	Male	Liver cancer due to other causes	1997	0.6154	0.5265	0.7205
Global	Female	Liver cancer due to other causes	1997	0.5734	0.4912	0.6575
Global	Both	Liver cancer due to other causes	1997	0.5934	0.5144	0.6819
Global	Male	Liver cancer due to other causes	1998	0.6032	0.5140	0.7070
Global	Female	Liver cancer due to other causes	1998	0.5599	0.4778	0.6431
Global	Both	Liver cancer due to other causes	1998	0.5805	0.5020	0.6675
Global	Male	Liver cancer due to other causes	1999	0.5879	0.4986	0.6895
Global	Female	Liver cancer due to other causes	1999	0.5437	0.4646	0.6281
Global	Both	Liver cancer due to other causes	1999	0.5648	0.4874	0.6522
Global	Male	Liver cancer due to other causes	2000	0.5706	0.4797	0.6711
Global	Female	Liver cancer due to other causes	2000	0.5260	0.4472	0.6086
Global	Both	Liver cancer due to other causes	2000	0.5473	0.4689	0.6344
Global	Male	Liver cancer due to other causes	2001	0.5410	0.4590	0.6301
Global	Female	Liver cancer due to other causes	2001	0.4975	0.4265	0.5706
Global	Both	Liver cancer due to other causes	2001	0.5182	0.4470	0.5968
Global	Male	Liver cancer due to other causes	2002	0.4939	0.4245	0.5718
Global	Female	Liver cancer due to other causes	2002	0.4548	0.3909	0.5244
Global	Both	Liver cancer due to other causes	2002	0.4735	0.4086	0.5452
Global	Male	Liver cancer due to other causes	2003	0.4426	0.3765	0.5135
Global	Female	Liver cancer due to other causes	2003	0.4092	0.3518	0.4725
Global	Both	Liver cancer due to other causes	2003	0.4253	0.3661	0.4905
Global	Male	Liver cancer due to other causes	2004	0.4001	0.3410	0.4658
Global	Female	Liver cancer due to other causes	2004	0.3720	0.3208	0.4295
Global	Both	Liver cancer due to other causes	2004	0.3856	0.3326	0.4453
Global	Male	Liver cancer due to other causes	2005	0.3786	0.3234	0.4421
Global	Female	Liver cancer due to other causes	2005	0.3532	0.3028	0.4105
Global	Both	Liver cancer due to other causes	2005	0.3655	0.3143	0.4234
Global	Male	Liver cancer due to other causes	2006	0.3728	0.3174	0.4362
Global	Female	Liver cancer due to other causes	2006	0.3474	0.2989	0.4022

Global	Both	Liver cancer due to other causes	2006	0.3597	0.3086	0.4155
Global	Male	Liver cancer due to other causes	2007	0.3689	0.3134	0.4319
Global	Female	Liver cancer due to other causes	2007	0.3431	0.2945	0.3972
Global	Both	Liver cancer due to other causes	2007	0.3557	0.3031	0.4118
Global	Male	Liver cancer due to other causes	2008	0.3668	0.3104	0.4293
Global	Female	Liver cancer due to other causes	2008	0.3403	0.2920	0.3961
Global	Both	Liver cancer due to other causes	2008	0.3533	0.3000	0.4092
Global	Male	Liver cancer due to other causes	2009	0.3661	0.3095	0.4299
Global	Female	Liver cancer due to other causes	2009	0.3383	0.2912	0.3934
Global	Both	Liver cancer due to other causes	2009	0.3519	0.2990	0.4085
Global	Male	Liver cancer due to other causes	2010	0.3659	0.3069	0.4306
Global	Female	Liver cancer due to other causes	2010	0.3360	0.2877	0.3911
Global	Both	Liver cancer due to other causes	2010	0.3506	0.2982	0.4074
Global	Male	Liver cancer due to other causes	2011	0.3669	0.3107	0.4318
Global	Female	Liver cancer due to other causes	2011	0.3333	0.2860	0.3880
Global	Both	Liver cancer due to other causes	2011	0.3497	0.2962	0.4058
Global	Male	Liver cancer due to other causes	2012	0.3695	0.3136	0.4341
Global	Female	Liver cancer due to other causes	2012	0.3303	0.2832	0.3840
Global	Both	Liver cancer due to other causes	2012	0.3494	0.2980	0.4056
Global	Male	Liver cancer due to other causes	2013	0.3727	0.3151	0.4381
Global	Female	Liver cancer due to other causes	2013	0.3275	0.2800	0.3814
Global	Both	Liver cancer due to other causes	2013	0.3494	0.2970	0.4061
Global	Male	Liver cancer due to other causes	2014	0.3760	0.3162	0.4446
Global	Female	Liver cancer due to other causes	2014	0.3254	0.2766	0.3801
Global	Both	Liver cancer due to other causes	2014	0.3499	0.2964	0.4086
Global	Male	Liver cancer due to other causes	2015	0.3789	0.3169	0.4508
Global	Female	Liver cancer due to other causes	2015	0.3244	0.2755	0.3818
Global	Both	Liver cancer due to other causes	2015	0.3507	0.2952	0.4107
Global	Male	Liver cancer due to other causes	2016	0.3814	0.3201	0.4545
Global	Female	Liver cancer due to other causes	2016	0.3255	0.2775	0.3830
Global	Both	Liver cancer due to other causes	2016	0.3525	0.2977	0.4129
Global	Male	Liver cancer due to other causes	2017	0.3836	0.3175	0.4649
Global	Female	Liver cancer due to other causes	2017	0.3267	0.2720	0.3860
Global	Both	Liver cancer due to other causes	2017	0.3542	0.2954	0.4177
Global	Male	Liver cancer due to other causes	2018	0.3855	0.3177	0.4620
Global	Female	Liver cancer due to other causes	2018	0.3258	0.2739	0.3845
Global	Both	Liver cancer due to other causes	2018	0.3546	0.2967	0.4178
Global	Male	Liver cancer due to other causes	2019	0.3867	0.3134	0.4707
Global	Female	Liver cancer due to other causes	2019	0.3233	0.2676	0.3838
Global	Both	Liver cancer due to other causes	2019	0.3538	0.2943	0.4208

location	sex	cause name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to other causes	1990	0.2797	0.2374	0.3269
High SDI	Both	Liver cancer due to other causes	1991	0.2924	0.2485	0.3406
High SDI	Both	Liver cancer due to other causes	1992	0.3050	0.2598	0.3548
High SDI	Both	Liver cancer due to other causes	1993	0.3170	0.2698	0.3682
High SDI	Both	Liver cancer due to other causes	1994	0.3278	0.2793	0.3807
High SDI	Both	Liver cancer due to other causes	1995	0.3369	0.2870	0.3913
High SDI	Both	Liver cancer due to other causes	1996	0.3471	0.2951	0.4034
High SDI	Both	Liver cancer due to other causes	1997	0.3610	0.3058	0.4210
High SDI	Both	Liver cancer due to other causes	1998	0.3755	0.3186	0.4384
High SDI	Both	Liver cancer due to other causes	1999	0.3883	0.3283	0.4540
High SDI	Both	Liver cancer due to other causes	2000	0.3966	0.3356	0.4637
High SDI	Both	Liver cancer due to other causes	2001	0.4010	0.3395	0.4689
High SDI	Both	Liver cancer due to other causes	2002	0.4043	0.3431	0.4732
High SDI	Both	Liver cancer due to other causes	2003	0.4066	0.3449	0.4772
High SDI	Both	Liver cancer due to other causes	2004	0.4084	0.3462	0.4799
High SDI	Both	Liver cancer due to other causes	2005	0.4103	0.3467	0.4821
High SDI	Both	Liver cancer due to other causes	2006	0.4120	0.3476	0.4836
High SDI	Both	Liver cancer due to other causes	2007	0.4135	0.3484	0.4851
High SDI	Both	Liver cancer due to other causes	2008	0.4143	0.3490	0.4852
High SDI	Both	Liver cancer due to other causes	2009	0.4145	0.3489	0.4858
High SDI	Both	Liver cancer due to other causes	2010	0.4138	0.3477	0.4854
High SDI	Both	Liver cancer due to other causes	2011	0.4118	0.3460	0.4826
High SDI	Both	Liver cancer due to other causes	2012	0.4086	0.3436	0.4798
High SDI	Both	Liver cancer due to other causes	2013	0.4052	0.3404	0.4750
High SDI	Both	Liver cancer due to other causes	2014	0.4022	0.3378	0.4718
High SDI	Both	Liver cancer due to other causes	2015	0.4006	0.3366	0.4715
High SDI	Both	Liver cancer due to other causes	2016	0.4002	0.3355	0.4739
High SDI	Both	Liver cancer due to other causes	2017	0.4008	0.3342	0.4770
High SDI	Both	Liver cancer due to other causes	2018	0.4026	0.3334	0.4798
High SDI	Both	Liver cancer due to other causes	2019	0.4052	0.3317	0.4881
High-middle SDI	Both	Liver cancer due to other causes	1990	0.6085	0.5047	0.7271
High-middle SDI	Both	Liver cancer due to other causes	1991	0.6312	0.5335	0.7418
High-middle SDI	Both	Liver cancer due to other causes	1992	0.6483	0.5545	0.7565
High-middle SDI	Both	Liver cancer due to other causes	1993	0.6609	0.5688	0.7696
High-middle SDI	Both	Liver cancer due to other causes	1994	0.6702	0.5765	0.7779
High-middle SDI	Both	Liver cancer due to other causes	1995	0.6750	0.5758	0.7855
High-middle SDI	Both	Liver cancer due to other causes	1996	0.6730	0.5799	0.7797
High-middle SDI	Both	Liver cancer due to other causes	1997	0.6609	0.5711	0.7632
High-middle SDI	Both	Liver cancer due to other causes	1998	0.6421	0.5518	0.7451
High-middle SDI	Both	Liver cancer due to other causes	1999	0.6195	0.5282	0.7187
High-middle SDI	Both	Liver cancer due to other causes	2000	0.5953	0.5079	0.6923
High-middle SDI	Both	Liver cancer due to other causes	2001	0.5547	0.4781	0.6413
High-middle SDI	Both	Liver cancer due to other causes	2002	0.4893	0.4253	0.5629
High-middle SDI	Both	Liver cancer due to other causes	2003	0.4172	0.3616	0.4783
High-middle SDI	Both	Liver cancer due to other causes	2004	0.3571	0.3067	0.4131
High-middle SDI	Both	Liver cancer due to other causes	2005	0.3259	0.2777	0.3779
High-middle SDI	Both	Liver cancer due to other causes	2006	0.3169	0.2702	0.3688
High-middle SDI	Both	Liver cancer due to other causes	2007	0.3109	0.2667	0.3622
High-middle SDI	Both	Liver cancer due to other causes	2008	0.3072	0.2619	0.3579
High-middle SDI	Both	Liver cancer due to other causes	2009	0.3052	0.2606	0.3578
High-middle SDI	Both	Liver cancer due to other causes	2010	0.3030	0.2592	0.3570
High-middle SDI	Both	Liver cancer due to other causes	2011	0.3002	0.2567	0.3515



High-middle SDI	Both	Liver cancer due to other causes	2012	0.2967	0.2538	0.3475
High-middle SDI	Both	Liver cancer due to other causes	2013	0.2936	0.2506	0.3433
High-middle SDI	Both	Liver cancer due to other causes	2014	0.2916	0.2477	0.3417
High-middle SDI	Both	Liver cancer due to other causes	2015	0.2919	0.2458	0.3427
High-middle SDI	Both	Liver cancer due to other causes	2016	0.2944	0.2501	0.3435
High-middle SDI	Both	Liver cancer due to other causes	2017	0.2967	0.2487	0.3499
High-middle SDI	Both	Liver cancer due to other causes	2018	0.2978	0.2503	0.3489
High-middle SDI	Both	Liver cancer due to other causes	2019	0.2977	0.2463	0.3542
Low SDI	Both	Liver cancer due to other causes	1990	0.2496	0.1934	0.3165
Low SDI	Both	Liver cancer due to other causes	1991	0.2465	0.1904	0.3119
Low SDI	Both	Liver cancer due to other causes	1992	0.2473	0.1918	0.3138
Low SDI	Both	Liver cancer due to other causes	1993	0.2474	0.1927	0.3140
Low SDI	Both	Liver cancer due to other causes	1994	0.2470	0.1932	0.3134
Low SDI	Both	Liver cancer due to other causes	1995	0.2464	0.1920	0.3122
Low SDI	Both	Liver cancer due to other causes	1996	0.2455	0.1919	0.3095
Low SDI	Both	Liver cancer due to other causes	1997	0.2441	0.1917	0.3074
Low SDI	Both	Liver cancer due to other causes	1998	0.2423	0.1912	0.3046
Low SDI	Both	Liver cancer due to other causes	1999	0.2404	0.1899	0.3033
Low SDI	Both	Liver cancer due to other causes	2000	0.2390	0.1893	0.3015
Low SDI	Both	Liver cancer due to other causes	2001	0.2377	0.1893	0.2986
Low SDI	Both	Liver cancer due to other causes	2002	0.2363	0.1880	0.2953
Low SDI	Both	Liver cancer due to other causes	2003	0.2350	0.1867	0.2918
Low SDI	Both	Liver cancer due to other causes	2004	0.2339	0.1851	0.2894
Low SDI	Both	Liver cancer due to other causes	2005	0.2330	0.1845	0.2880
Low SDI	Both	Liver cancer due to other causes	2006	0.2321	0.1841	0.2862
Low SDI	Both	Liver cancer due to other causes	2007	0.2310	0.1833	0.2846
Low SDI	Both	Liver cancer due to other causes	2008	0.2358	0.1870	0.2938
Low SDI	Both	Liver cancer due to other causes	2009	0.2350	0.1873	0.2927
Low SDI	Both	Liver cancer due to other causes	2010	0.2344	0.1866	0.2916
Low SDI	Both	Liver cancer due to other causes	2011	0.2339	0.1855	0.2917
Low SDI	Both	Liver cancer due to other causes	2012	0.2336	0.1848	0.2915
Low SDI	Both	Liver cancer due to other causes	2013	0.2334	0.1845	0.2911
Low SDI	Both	Liver cancer due to other causes	2014	0.2328	0.1826	0.2894
Low SDI	Both	Liver cancer due to other causes	2015	0.2323	0.1822	0.2911
Low SDI	Both	Liver cancer due to other causes	2016	0.2309	0.1812	0.2901
Low SDI	Both	Liver cancer due to other causes	2017	0.2294	0.1801	0.2881
Low SDI	Both	Liver cancer due to other causes	2018	0.2286	0.1788	0.2869
Low SDI	Both	Liver cancer due to other causes	2019	0.2277	0.1777	0.2857
Low-middle SDI	Both	Liver cancer due to other causes	1990	0.3320	0.2741	0.3944
Low-middle SDI	Both	Liver cancer due to other causes	1991	0.3390	0.2829	0.4008
Low-middle SDI	Both	Liver cancer due to other causes	1992	0.3438	0.2894	0.4010
Low-middle SDI	Both	Liver cancer due to other causes	1993	0.3471	0.2934	0.4044
Low-middle SDI	Both	Liver cancer due to other causes	1994	0.3485	0.2954	0.4065
Low-middle SDI	Both	Liver cancer due to other causes	1995	0.3485	0.2958	0.4090
Low-middle SDI	Both	Liver cancer due to other causes	1996	0.3453	0.2929	0.4028
Low-middle SDI	Both	Liver cancer due to other causes	1997	0.3385	0.2871	0.3937
Low-middle SDI	Both	Liver cancer due to other causes	1998	0.3292	0.2788	0.3818
Low-middle SDI	Both	Liver cancer due to other causes	1999	0.3186	0.2696	0.3712
Low-middle SDI	Both	Liver cancer due to other causes	2000	0.3080	0.2597	0.3607
Low-middle SDI	Both	Liver cancer due to other causes	2001	0.2935	0.2479	0.3405
Low-middle SDI	Both	Liver cancer due to other causes	2002	0.2729	0.2304	0.3166
Low-middle SDI	Both	Liver cancer due to other causes	2003	0.2518	0.2123	0.2920
Low-middle SDI	Both	Liver cancer due to other causes	2004	0.2354	0.1983	0.2733
Low-middle SDI	Both	Liver cancer due to other causes	2005	0.2274	0.1918	0.2647
Low-middle SDI	Both	Liver cancer due to other causes	2006	0.2244	0.1897	0.2623

Low-middle SDI	Both	Liver cancer due to other causes	2007	0.2215	0.1878	0.2582
Low-middle SDI	Both	Liver cancer due to other causes	2008	0.2194	0.1856	0.2558
Low-middle SDI	Both	Liver cancer due to other causes	2009	0.2181	0.1838	0.2552
Low-middle SDI	Both	Liver cancer due to other causes	2010	0.2173	0.1828	0.2563
Low-middle SDI	Both	Liver cancer due to other causes	2011	0.2176	0.1831	0.2575
Low-middle SDI	Both	Liver cancer due to other causes	2012	0.2186	0.1837	0.2584
Low-middle SDI	Both	Liver cancer due to other causes	2013	0.2193	0.1849	0.2586
Low-middle SDI	Both	Liver cancer due to other causes	2014	0.2206	0.1856	0.2613
Low-middle SDI	Both	Liver cancer due to other causes	2015	0.2223	0.1870	0.2637
Low-middle SDI	Both	Liver cancer due to other causes	2016	0.2244	0.1869	0.2653
Low-middle SDI	Both	Liver cancer due to other causes	2017	0.2261	0.1864	0.2683
Low-middle SDI	Both	Liver cancer due to other causes	2018	0.2270	0.1885	0.2695
Low-middle SDI	Both	Liver cancer due to other causes	2019	0.2269	0.1863	0.2740
Middle SDI	Both	Liver cancer due to other causes	1990	0.9424	0.7743	1.1599
Middle SDI	Both	Liver cancer due to other causes	1991	0.9098	0.7643	1.0860
Middle SDI	Both	Liver cancer due to other causes	1992	0.9186	0.7800	1.0817
Middle SDI	Both	Liver cancer due to other causes	1993	0.9290	0.7927	1.0829
Middle SDI	Both	Liver cancer due to other causes	1994	0.9267	0.7914	1.0746
Middle SDI	Both	Liver cancer due to other causes	1995	0.9229	0.7783	1.0732
Middle SDI	Both	Liver cancer due to other causes	1996	0.9131	0.7805	1.0543
Middle SDI	Both	Liver cancer due to other causes	1997	0.8874	0.7644	1.0269
Middle SDI	Both	Liver cancer due to other causes	1998	0.8542	0.7334	0.9938
Middle SDI	Both	Liver cancer due to other causes	1999	0.8172	0.7007	0.9498
Middle SDI	Both	Liver cancer due to other causes	2000	0.7793	0.6618	0.9092
Middle SDI	Both	Liver cancer due to other causes	2001	0.7225	0.6226	0.8367
Middle SDI	Both	Liver cancer due to other causes	2002	0.6366	0.5509	0.7346
Middle SDI	Both	Liver cancer due to other causes	2003	0.5492	0.4706	0.6342
Middle SDI	Both	Liver cancer due to other causes	2004	0.4777	0.4100	0.5535
Middle SDI	Both	Liver cancer due to other causes	2005	0.4431	0.3777	0.5177
Middle SDI	Both	Liver cancer due to other causes	2006	0.4323	0.3702	0.5064
Middle SDI	Both	Liver cancer due to other causes	2007	0.4238	0.3599	0.4955
Middle SDI	Both	Liver cancer due to other causes	2008	0.4201	0.3557	0.4916
Middle SDI	Both	Liver cancer due to other causes	2009	0.4181	0.3540	0.4927
Middle SDI	Both	Liver cancer due to other causes	2010	0.4171	0.3540	0.4946
Middle SDI	Both	Liver cancer due to other causes	2011	0.4172	0.3543	0.4897
Middle SDI	Both	Liver cancer due to other causes	2012	0.4200	0.3554	0.4927
Middle SDI	Both	Liver cancer due to other causes	2013	0.4239	0.3612	0.4977
Middle SDI	Both	Liver cancer due to other causes	2014	0.4278	0.3631	0.5043
Middle SDI	Both	Liver cancer due to other causes	2015	0.4306	0.3625	0.5110
Middle SDI	Both	Liver cancer due to other causes	2016	0.4349	0.3662	0.5147
Middle SDI	Both	Liver cancer due to other causes	2017	0.4383	0.3610	0.5265
Middle SDI	Both	Liver cancer due to other causes	2018	0.4374	0.3635	0.5226
Middle SDI	Both	Liver cancer due to other causes	2019	0.4337	0.3550	0.5277

location	sex	cause_name	year	Age-standardised incidence rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to other causes	2019	0.7519	0.4931	1.0880
Albania	Both	Liver cancer due to other causes	2019	0.2700	0.1795	0.3903
Algeria	Both	Liver cancer due to other causes	2019	0.1586	0.1095	0.2219
American Samoa	Both	Liver cancer due to other causes	2019	0.2834	0.1917	0.4098
Andorra	Both	Liver cancer due to other causes	2019	0.5632	0.3662	0.8374
Angola	Both	Liver cancer due to other causes	2019	0.1456	0.0946	0.2151
Antigua and Barbuda	Both	Liver cancer due to other causes	2019	0.1740	0.1225	0.2412
Argentina	Both	Liver cancer due to other causes	2019	0.1330	0.0897	0.1867
Armenia	Both	Liver cancer due to other causes	2019	0.2706	0.1756	0.3960
Australia	Both	Liver cancer due to other causes	2019	0.2416	0.1637	0.3471
Austria	Both	Liver cancer due to other causes	2019	0.2964	0.2016	0.4152
Azerbaijan	Both	Liver cancer due to other causes	2019	0.2043	0.1360	0.3236
Bahamas	Both	Liver cancer due to other causes	2019	0.2037	0.1426	0.2842
Bahrain	Both	Liver cancer due to other causes	2019	0.3219	0.2162	0.4772
Bangladesh	Both	Liver cancer due to other causes	2019	0.1574	0.1141	0.2180
Barbados	Both	Liver cancer due to other causes	2019	0.2258	0.1493	0.3177
Belarus	Both	Liver cancer due to other causes	2019	0.1833	0.1333	0.2516
Belgium	Both	Liver cancer due to other causes	2019	0.2347	0.1609	0.3296
Belize	Both	Liver cancer due to other causes	2019	0.1985	0.1412	0.2704
Benin	Both	Liver cancer due to other causes	2019	0.2600	0.1689	0.3893
Bermuda	Both	Liver cancer due to other causes	2019	0.1344	0.0946	0.1812
Bhutan	Both	Liver cancer due to other causes	2019	0.1361	0.0900	0.2055
Bolivia (Plurinational State of)	Both	Liver cancer due to other causes	2019	0.3467	0.2187	0.5242
Bosnia and Herzegovina	Both	Liver cancer due to other causes	2019	0.2918	0.1865	0.4341
Botswana	Both	Liver cancer due to other causes	2019	0.0747	0.0469	0.1107
Brazil	Both	Liver cancer due to other causes	2019	0.1386	0.1200	0.1590
Brunei Darussalam	Both	Liver cancer due to other causes	2019	0.4916	0.3266	0.7058
Bulgaria	Both	Liver cancer due to other causes	2019	0.1646	0.1111	0.2291
Burkina Faso	Both	Liver cancer due to other causes	2019	0.1829	0.1205	0.2653
Burundi	Both	Liver cancer due to other causes	2019	0.2314	0.1519	0.3543
Cabo Verde	Both	Liver cancer due to other causes	2019	0.5711	0.3928	0.8221
Cambodia	Both	Liver cancer due to other causes	2019	0.5398	0.3134	0.9230
Cameroon	Both	Liver cancer due to other causes	2019	0.0345	0.0219	0.0508
Canada	Both	Liver cancer due to other causes	2019	0.3346	0.2283	0.4738
Central African Republic	Both	Liver cancer due to other causes	2019	0.1839	0.1087	0.2994
Chad	Both	Liver cancer due to other causes	2019	0.2812	0.1828	0.4063
Chile	Both	Liver cancer due to other causes	2019	0.1995	0.1351	0.2869
China	Both	Liver cancer due to other causes	2019	0.6444	0.5265	0.7834
Colombia	Both	Liver cancer due to other causes	2019	0.1596	0.1091	0.2205
Comoros	Both	Liver cancer due to other causes	2019	0.2362	0.1480	0.3573
Congo	Both	Liver cancer due to other causes	2019	0.1458	0.0937	0.2164
Cook Islands	Both	Liver cancer due to other causes	2019	0.4345	0.2835	0.6286
Costa Rica	Both	Liver cancer due to other causes	2019	0.2803	0.1866	0.3988
Côte d'Ivoire	Both	Liver cancer due to other causes	2019	0.2305	0.1447	0.3516
Croatia	Both	Liver cancer due to other causes	2019	0.1584	0.1068	0.2226
Cuba	Both	Liver cancer due to other causes	2019	0.1416	0.0967	0.1981
Cyprus	Both	Liver cancer due to other causes	2019	0.2199	0.1593	0.2967
Czechia	Both	Liver cancer due to other causes	2019	0.1099	0.0765	0.1520
Democratic People's Republic of Korea	Both	Liver cancer due to other causes	2019	0.6028	0.3799	0.8828
Democratic Republic of the Congo	Both	Liver cancer due to other causes	2019	0.1476	0.0905	0.2294
Denmark	Both	Liver cancer due to other causes	2019	0.2378	0.1613	0.3349
Djibouti	Both	Liver cancer due to other causes	2019	0.2490	0.1459	0.4050
Dominica	Both	Liver cancer due to other causes	2019	0.2007	0.1364	0.2789
Dominican Republic	Both	Liver cancer due to other causes	2019	0.3190	0.2089	0.4757
Ecuador	Both	Liver cancer due to other causes	2019	0.2540	0.1714	0.3597
Egypt	Both	Liver cancer due to other causes	2019	1.0592	0.6597	1.6681
El Salvador	Both	Liver cancer due to other causes	2019	0.1189	0.0788	0.1733
Equatorial Guinea	Both	Liver cancer due to other causes	2019	0.1475	0.0850	0.2401
Eritrea	Both	Liver cancer due to other causes	2019	0.2723	0.1742	0.4046
Estonia	Both	Liver cancer due to other causes	2019	0.1442	0.0992	0.2052
Eswatini	Both	Liver cancer due to other causes	2019	0.7366	0.2549	1.4376
Ethiopia	Both	Liver cancer due to other causes	2019	0.1866	0.1453	0.2428

Fiji	Both	Liver cancer due to other causes	2019	0.2837	0.1839	0.4191
Finland	Both	Liver cancer due to other causes	2019	0.3059	0.2079	0.4392
France	Both	Liver cancer due to other causes	2019	0.3477	0.2283	0.5060
Gabon	Both	Liver cancer due to other causes	2019	0.1430	0.0895	0.2089
Gambia	Both	Liver cancer due to other causes	2019	1.9079	1.2533	2.7878
Georgia	Both	Liver cancer due to other causes	2019	0.1374	0.0920	0.1989
Germany	Both	Liver cancer due to other causes	2019	0.3346	0.2303	0.4812
Ghana	Both	Liver cancer due to other causes	2019	0.2653	0.1784	0.3849
Greece	Both	Liver cancer due to other causes	2019	0.1956	0.1308	0.2796
Greenland	Both	Liver cancer due to other causes	2019	0.5075	0.3263	0.7496
Grenada	Both	Liver cancer due to other causes	2019	0.1866	0.1340	0.2514
Guam	Both	Liver cancer due to other causes	2019	0.2030	0.1362	0.2859
Guatemala	Both	Liver cancer due to other causes	2019	0.3090	0.2088	0.4317
Guinea	Both	Liver cancer due to other causes	2019	1.5218	0.9942	2.2667
Guinea-Bissau	Both	Liver cancer due to other causes	2019	0.3266	0.2013	0.5194
Guyana	Both	Liver cancer due to other causes	2019	0.2104	0.1368	0.3017
Haiti	Both	Liver cancer due to other causes	2019	0.2992	0.1688	0.4729
Honduras	Both	Liver cancer due to other causes	2019	0.8158	0.3310	1.3869
Hungary	Both	Liver cancer due to other causes	2019	0.1031	0.0720	0.1395
Iceland	Both	Liver cancer due to other causes	2019	0.2121	0.1511	0.2835
India	Both	Liver cancer due to other causes	2019	0.1294	0.1046	0.1604
Indonesia	Both	Liver cancer due to other causes	2019	0.0992	0.0811	0.1201
Iran (Islamic Republic of)	Both	Liver cancer due to other causes	2019	0.2976	0.2545	0.3476
Iraq	Both	Liver cancer due to other causes	2019	0.4074	0.2688	0.6025
Ireland	Both	Liver cancer due to other causes	2019	0.2395	0.1631	0.3351
Israel	Both	Liver cancer due to other causes	2019	0.2077	0.1413	0.2964
Italy	Both	Liver cancer due to other causes	2019	0.2176	0.1748	0.2653
Jamaica	Both	Liver cancer due to other causes	2019	0.1826	0.1250	0.2566
Japan	Both	Liver cancer due to other causes	2019	0.4184	0.3380	0.5021
Jordan	Both	Liver cancer due to other causes	2019	0.1699	0.1171	0.2427
Kazakhstan	Both	Liver cancer due to other causes	2019	0.2470	0.1696	0.3381
Kenya	Both	Liver cancer due to other causes	2019	0.2384	0.1562	0.3472
Kiribati	Both	Liver cancer due to other causes	2019	0.6033	0.4020	0.8917
Kuwait	Both	Liver cancer due to other causes	2019	0.1790	0.1273	0.2522
Kyrgyzstan	Both	Liver cancer due to other causes	2019	0.1168	0.0835	0.1583
Lao People's Democratic Republic	Both	Liver cancer due to other causes	2019	0.2059	0.1308	0.3034
Latvia	Both	Liver cancer due to other causes	2019	0.1203	0.0844	0.1643
Lebanon	Both	Liver cancer due to other causes	2019	0.2112	0.1407	0.3202
Lesotho	Both	Liver cancer due to other causes	2019	0.5995	0.2582	1.0353
Liberia	Both	Liver cancer due to other causes	2019	0.2409	0.1483	0.3665
Libya	Both	Liver cancer due to other causes	2019	0.3570	0.2339	0.5459
Lithuania	Both	Liver cancer due to other causes	2019	0.1243	0.0887	0.1694
Luxembourg	Both	Liver cancer due to other causes	2019	0.2372	0.1625	0.3311
Madagascar	Both	Liver cancer due to other causes	2019	0.2076	0.1334	0.3129
Malawi	Both	Liver cancer due to other causes	2019	0.3414	0.2399	0.4687
Malaysia	Both	Liver cancer due to other causes	2019	0.1518	0.0996	0.2249
Maldives	Both	Liver cancer due to other causes	2019	0.1534	0.1028	0.2234
Mali	Both	Liver cancer due to other causes	2019	0.6496	0.4181	0.9546
Malta	Both	Liver cancer due to other causes	2019	0.1769	0.1290	0.2366
Marshall Islands	Both	Liver cancer due to other causes	2019	0.4448	0.2706	0.6686
Mauritania	Both	Liver cancer due to other causes	2019	0.2205	0.1394	0.3290
Mauritius	Both	Liver cancer due to other causes	2019	0.0679	0.0461	0.0941
Mexico	Both	Liver cancer due to other causes	2019	0.2317	0.1920	0.2748
Micronesia (Federated States of)	Both	Liver cancer due to other causes	2019	0.4406	0.2542	0.7271
Monaco	Both	Liver cancer due to other causes	2019	0.4979	0.3437	0.7056
Mongolia	Both	Liver cancer due to other causes	2019	3.4723	2.1942	5.2742
Montenegro	Both	Liver cancer due to other causes	2019	0.2226	0.1543	0.3159
Morocco	Both	Liver cancer due to other causes	2019	0.1319	0.0863	0.1940
Mozambique	Both	Liver cancer due to other causes	2019	0.2844	0.1890	0.4140
Myanmar	Both	Liver cancer due to other causes	2019	0.2088	0.1418	0.3026
Namibia	Both	Liver cancer due to other causes	2019	0.1649	0.1064	0.2425
Nauru	Both	Liver cancer due to other causes	2019	0.4292	0.2587	0.6873
Nepal	Both	Liver cancer due to other causes	2019	0.1176	0.0804	0.1719
Netherlands	Both	Liver cancer due to other causes	2019	0.2374	0.1661	0.3238
New Zealand	Both	Liver cancer due to other causes	2019	0.2921	0.2366	0.3514

Nicaragua	Both	Liver cancer due to other causes	2019	0.2266	0.1582	0.3123
Niger	Both	Liver cancer due to other causes	2019	0.0318	0.0209	0.0457
Nigeria	Both	Liver cancer due to other causes	2019	0.1932	0.1443	0.2521
Niue	Both	Liver cancer due to other causes	2019	0.3221	0.2049	0.4800
North Macedonia	Both	Liver cancer due to other causes	2019	0.3213	0.2125	0.4736
Northern Mariana Islands	Both	Liver cancer due to other causes	2019	0.2782	0.1876	0.4001
Norway	Both	Liver cancer due to other causes	2019	0.2023	0.1665	0.2467
Oman	Both	Liver cancer due to other causes	2019	0.3717	0.2721	0.5061
Pakistan	Both	Liver cancer due to other causes	2019	0.1777	0.1398	0.2257
Palau	Both	Liver cancer due to other causes	2019	0.3230	0.2092	0.4865
Palestine	Both	Liver cancer due to other causes	2019	0.4119	0.2856	0.5825
Panama	Both	Liver cancer due to other causes	2019	0.1813	0.1238	0.2510
Papua New Guinea	Both	Liver cancer due to other causes	2019	0.0715	0.0482	0.1023
Paraguay	Both	Liver cancer due to other causes	2019	0.1116	0.0716	0.1644
Peru	Both	Liver cancer due to other causes	2019	0.1981	0.1311	0.2827
Philippines	Both	Liver cancer due to other causes	2019	0.2046	0.1611	0.2543
Poland	Both	Liver cancer due to other causes	2019	0.0847	0.0697	0.1012
Portugal	Both	Liver cancer due to other causes	2019	0.2648	0.1762	0.3747
Puerto Rico	Both	Liver cancer due to other causes	2019	0.1636	0.1100	0.2342
Qatar	Both	Liver cancer due to other causes	2019	0.8471	0.5031	1.3536
Republic of Korea	Both	Liver cancer due to other causes	2019	0.7631	0.5155	1.0883
Republic of Moldova	Both	Liver cancer due to other causes	2019	0.0898	0.0668	0.1170
Romania	Both	Liver cancer due to other causes	2019	0.1184	0.0864	0.1599
Russian Federation	Both	Liver cancer due to other causes	2019	0.1750	0.1204	0.2511
Rwanda	Both	Liver cancer due to other causes	2019	0.3356	0.2252	0.4824
Saint Kitts and Nevis	Both	Liver cancer due to other causes	2019	0.2232	0.1460	0.3182
Saint Lucia	Both	Liver cancer due to other causes	2019	0.1303	0.0912	0.1787
Saint Vincent and the Grenadines	Both	Liver cancer due to other causes	2019	0.1760	0.1247	0.2362
Samoa	Both	Liver cancer due to other causes	2019	0.2031	0.1287	0.2953
San Marino	Both	Liver cancer due to other causes	2019	0.2464	0.1732	0.3380
Sao Tome and Principe	Both	Liver cancer due to other causes	2019	0.1337	0.0866	0.1930
Saudi Arabia	Both	Liver cancer due to other causes	2019	0.2571	0.1632	0.3921
Senegal	Both	Liver cancer due to other causes	2019	0.1463	0.0958	0.2159
Serbia	Both	Liver cancer due to other causes	2019	0.1683	0.1100	0.2429
Seychelles	Both	Liver cancer due to other causes	2019	0.1591	0.1083	0.2224
Sierra Leone	Both	Liver cancer due to other causes	2019	0.2598	0.1683	0.3875
Singapore	Both	Liver cancer due to other causes	2019	0.3422	0.2154	0.5068
Slovakia	Both	Liver cancer due to other causes	2019	0.1334	0.0898	0.1853
Slovenia	Both	Liver cancer due to other causes	2019	0.1842	0.1211	0.2652
Solomon Islands	Both	Liver cancer due to other causes	2019	0.3567	0.2477	0.4897
Somalia	Both	Liver cancer due to other causes	2019	0.2742	0.1593	0.4585
South Africa	Both	Liver cancer due to other causes	2019	0.2729	0.2297	0.3249
South Sudan	Both	Liver cancer due to other causes	2019	0.2121	0.1288	0.3395
Spain	Both	Liver cancer due to other causes	2019	0.2547	0.1722	0.3662
Sri Lanka	Both	Liver cancer due to other causes	2019	0.1071	0.0673	0.1618
Sudan	Both	Liver cancer due to other causes	2019	0.3001	0.1728	0.4847
Suriname	Both	Liver cancer due to other causes	2019	0.1711	0.1181	0.2411
Sweden	Both	Liver cancer due to other causes	2019	0.2242	0.1829	0.2683
Switzerland	Both	Liver cancer due to other causes	2019	0.2980	0.1943	0.4229
Syrian Arab Republic	Both	Liver cancer due to other causes	2019	0.3291	0.2181	0.4803
Taiwan (Province of China)	Both	Liver cancer due to other causes	2019	0.4552	0.3037	0.6601
Tajikistan	Both	Liver cancer due to other causes	2019	0.1731	0.1219	0.2589
Thailand	Both	Liver cancer due to other causes	2019	0.6499	0.4048	0.9789
Timor-Leste	Both	Liver cancer due to other causes	2019	0.2083	0.1261	0.3137
Togo	Both	Liver cancer due to other causes	2019	0.2662	0.1752	0.3849
Tokelau	Both	Liver cancer due to other causes	2019	0.3226	0.2040	0.4814
Tonga	Both	Liver cancer due to other causes	2019	0.9379	0.5767	1.4461
Trinidad and Tobago	Both	Liver cancer due to other causes	2019	0.1681	0.1106	0.2430
Tunisia	Both	Liver cancer due to other causes	2019	0.0973	0.0620	0.1487
Turkey	Both	Liver cancer due to other causes	2019	0.2111	0.1455	0.2907
Turkmenistan	Both	Liver cancer due to other causes	2019	0.3134	0.2291	0.4223
Tuvalu	Both	Liver cancer due to other causes	2019	0.3674	0.2295	0.5550
Uganda	Both	Liver cancer due to other causes	2019	0.4530	0.3075	0.6518
Ukraine	Both	Liver cancer due to other causes	2019	0.1866	0.1279	0.2755
United Arab Emirates	Both	Liver cancer due to other causes	2019	0.2357	0.1038	0.5531

United Kingdom	Both	Liver cancer due to other causes	2019	0.3082	0.2535	0.3729
United Republic of Tanzania	Both	Liver cancer due to other causes	2019	0.2136	0.1455	0.3041
United States of America	Both	Liver cancer due to other causes	2019	0.4856	0.3932	0.5984
United States Virgin Islands	Both	Liver cancer due to other causes	2019	0.1437	0.1013	0.1998
Uruguay	Both	Liver cancer due to other causes	2019	0.1448	0.0977	0.2064
Uzbekistan	Both	Liver cancer due to other causes	2019	0.2862	0.1974	0.3945
Vanuatu	Both	Liver cancer due to other causes	2019	0.3781	0.2246	0.5831
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to other causes	2019	0.1307	0.0878	0.1865
Viet Nam	Both	Liver cancer due to other causes	2019	0.0952	0.0653	0.1387
Yemen	Both	Liver cancer due to other causes	2019	0.2426	0.1502	0.3542
Zambia	Both	Liver cancer due to other causes	2019	0.2212	0.1526	0.3142
Zimbabwe	Both	Liver cancer due to other causes	2019	0.7212	0.4556	1.1016

location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Global	Male	Liver cancer due to other causes	1990	0.5566	0.4536	0.6783
Global	Female	Liver cancer due to other causes	1990	0.5491	0.4477	0.6673
Global	Both	Liver cancer due to other causes	1990	0.5530	0.4593	0.6638
Global	Male	Liver cancer due to other causes	1991	0.5707	0.4686	0.6934
Global	Female	Liver cancer due to other causes	1991	0.5540	0.4522	0.6758
Global	Both	Liver cancer due to other causes	1991	0.5624	0.4715	0.6718
Global	Male	Liver cancer due to other causes	1992	0.5824	0.4867	0.7055
Global	Female	Liver cancer due to other causes	1992	0.5585	0.4625	0.6785
Global	Both	Liver cancer due to other causes	1992	0.5703	0.4774	0.6737
Global	Male	Liver cancer due to other causes	1993	0.5948	0.4914	0.7050
Global	Female	Liver cancer due to other causes	1993	0.5634	0.4696	0.6702
Global	Both	Liver cancer due to other causes	1993	0.5788	0.4925	0.6723
Global	Male	Liver cancer due to other causes	1994	0.6066	0.5136	0.7164
Global	Female	Liver cancer due to other causes	1994	0.5733	0.4787	0.6819
Global	Both	Liver cancer due to other causes	1994	0.5893	0.5033	0.6818
Global	Male	Liver cancer due to other causes	1995	0.6133	0.5213	0.7202
Global	Female	Liver cancer due to other causes	1995	0.5761	0.4875	0.6806
Global	Both	Liver cancer due to other causes	1995	0.5938	0.5105	0.6837
Global	Male	Liver cancer due to other causes	1996	0.6137	0.5193	0.7251
Global	Female	Liver cancer due to other causes	1996	0.5720	0.4863	0.6742
Global	Both	Liver cancer due to other causes	1996	0.5917	0.5086	0.6849
Global	Male	Liver cancer due to other causes	1997	0.6050	0.5150	0.7092
Global	Female	Liver cancer due to other causes	1997	0.5619	0.4819	0.6517
Global	Both	Liver cancer due to other causes	1997	0.5822	0.5012	0.6699
Global	Male	Liver cancer due to other causes	1998	0.5956	0.5059	0.6943
Global	Female	Liver cancer due to other causes	1998	0.5507	0.4711	0.6333
Global	Both	Liver cancer due to other causes	1998	0.5719	0.4920	0.6563
Global	Male	Liver cancer due to other causes	1999	0.5814	0.4940	0.6811
Global	Female	Liver cancer due to other causes	1999	0.5372	0.4607	0.6233
Global	Both	Liver cancer due to other causes	1999	0.5582	0.4826	0.6424
Global	Male	Liver cancer due to other causes	2000	0.5527	0.4642	0.6498
Global	Female	Liver cancer due to other causes	2000	0.5080	0.4332	0.5894
Global	Both	Liver cancer due to other causes	2000	0.5293	0.4565	0.6118
Global	Male	Liver cancer due to other causes	2001	0.5073	0.4231	0.5929
Global	Female	Liver cancer due to other causes	2001	0.4637	0.3950	0.5397
Global	Both	Liver cancer due to other causes	2001	0.4845	0.4155	0.5589
Global	Male	Liver cancer due to other causes	2002	0.4489	0.3812	0.5301
Global	Female	Liver cancer due to other causes	2002	0.4163	0.3545	0.4858
Global	Both	Liver cancer due to other causes	2002	0.4320	0.3693	0.5025
Global	Male	Liver cancer due to other causes	2003	0.4032	0.3388	0.4704
Global	Female	Liver cancer due to other causes	2003	0.3769	0.3232	0.4401
Global	Both	Liver cancer due to other causes	2003	0.3896	0.3342	0.4512
Global	Male	Liver cancer due to other causes	2004	0.3707	0.3135	0.4374
Global	Female	Liver cancer due to other causes	2004	0.3493	0.2987	0.4060
Global	Both	Liver cancer due to other causes	2004	0.3597	0.3078	0.4169
Global	Male	Liver cancer due to other causes	2005	0.3566	0.3027	0.4207
Global	Female	Liver cancer due to other causes	2005	0.3362	0.2891	0.3908
Global	Both	Liver cancer due to other causes	2005	0.3462	0.2948	0.4028
Global	Male	Liver cancer due to other causes	2006	0.3486	0.2945	0.4080

Global	Female	Liver cancer due to other causes	2006	0.3298	0.2829	0.3827
Global	Both	Liver cancer due to other causes	2006	0.3390	0.2875	0.3943
Global	Male	Liver cancer due to other causes	2007	0.3436	0.2912	0.4012
Global	Female	Liver cancer due to other causes	2007	0.3235	0.2761	0.3734
Global	Both	Liver cancer due to other causes	2007	0.3335	0.2862	0.3867
Global	Male	Liver cancer due to other causes	2008	0.3438	0.2917	0.4051
Global	Female	Liver cancer due to other causes	2008	0.3234	0.2798	0.3745
Global	Both	Liver cancer due to other causes	2008	0.3336	0.2864	0.3881
Global	Male	Liver cancer due to other causes	2009	0.3395	0.2866	0.3981
Global	Female	Liver cancer due to other causes	2009	0.3189	0.2733	0.3708
Global	Both	Liver cancer due to other causes	2009	0.3292	0.2797	0.3814
Global	Male	Liver cancer due to other causes	2010	0.3351	0.2823	0.3930
Global	Female	Liver cancer due to other causes	2010	0.3146	0.2707	0.3656
Global	Both	Liver cancer due to other causes	2010	0.3248	0.2773	0.3805
Global	Male	Liver cancer due to other causes	2011	0.3310	0.2779	0.3862
Global	Female	Liver cancer due to other causes	2011	0.3090	0.2637	0.3614
Global	Both	Liver cancer due to other causes	2011	0.3199	0.2721	0.3716
Global	Male	Liver cancer due to other causes	2012	0.3304	0.2768	0.3933
Global	Female	Liver cancer due to other causes	2012	0.3029	0.2596	0.3531
Global	Both	Liver cancer due to other causes	2012	0.3165	0.2694	0.3700
Global	Male	Liver cancer due to other causes	2013	0.3328	0.2799	0.3960
Global	Female	Liver cancer due to other causes	2013	0.3011	0.2572	0.3490
Global	Both	Liver cancer due to other causes	2013	0.3167	0.2698	0.3679
Global	Male	Liver cancer due to other causes	2014	0.3379	0.2818	0.4022
Global	Female	Liver cancer due to other causes	2014	0.3011	0.2582	0.3516
Global	Both	Liver cancer due to other causes	2014	0.3190	0.2718	0.3728
Global	Male	Liver cancer due to other causes	2015	0.3429	0.2858	0.4068
Global	Female	Liver cancer due to other causes	2015	0.3014	0.2575	0.3529
Global	Both	Liver cancer due to other causes	2015	0.3216	0.2737	0.3758
Global	Male	Liver cancer due to other causes	2016	0.3452	0.2877	0.4124
Global	Female	Liver cancer due to other causes	2016	0.3022	0.2559	0.3536
Global	Both	Liver cancer due to other causes	2016	0.3231	0.2734	0.3790
Global	Male	Liver cancer due to other causes	2017	0.3455	0.2841	0.4135
Global	Female	Liver cancer due to other causes	2017	0.3016	0.2547	0.3578
Global	Both	Liver cancer due to other causes	2017	0.3229	0.2719	0.3809
Global	Male	Liver cancer due to other causes	2018	0.3449	0.2819	0.4140
Global	Female	Liver cancer due to other causes	2018	0.2993	0.2499	0.3573
Global	Both	Liver cancer due to other causes	2018	0.3214	0.2704	0.3783
Global	Male	Liver cancer due to other causes	2019	0.3449	0.2809	0.4149
Global	Female	Liver cancer due to other causes	2019	0.2962	0.2446	0.3528
Global	Both	Liver cancer due to other causes	2019	0.3198	0.2673	0.3792



location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
High SDI	Both	Liver cancer due to other causes	1990	0.2342	0.1972	0.2775
High SDI	Both	Liver cancer due to other causes	1991	0.2394	0.2015	0.2825
High SDI	Both	Liver cancer due to other causes	1992	0.2462	0.2063	0.2908
High SDI	Both	Liver cancer due to other causes	1993	0.2534	0.2127	0.2993
High SDI	Both	Liver cancer due to other causes	1994	0.2617	0.2187	0.3082
High SDI	Both	Liver cancer due to other causes	1995	0.2720	0.2279	0.3203
High SDI	Both	Liver cancer due to other causes	1996	0.2801	0.2344	0.3292
High SDI	Both	Liver cancer due to other causes	1997	0.2877	0.2410	0.3386
High SDI	Both	Liver cancer due to other causes	1998	0.2989	0.2502	0.3528
High SDI	Both	Liver cancer due to other causes	1999	0.3079	0.2574	0.3658
High SDI	Both	Liver cancer due to other causes	2000	0.3127	0.2613	0.3724
High SDI	Both	Liver cancer due to other causes	2001	0.3123	0.2613	0.3714
High SDI	Both	Liver cancer due to other causes	2002	0.3098	0.2593	0.3688
High SDI	Both	Liver cancer due to other causes	2003	0.3110	0.2596	0.3717
High SDI	Both	Liver cancer due to other causes	2004	0.3093	0.2580	0.3704
High SDI	Both	Liver cancer due to other causes	2005	0.3089	0.2565	0.3696
High SDI	Both	Liver cancer due to other causes	2006	0.3086	0.2564	0.3691
High SDI	Both	Liver cancer due to other causes	2007	0.3081	0.2550	0.3681
High SDI	Both	Liver cancer due to other causes	2008	0.3064	0.2533	0.3659
High SDI	Both	Liver cancer due to other causes	2009	0.3040	0.2512	0.3640
High SDI	Both	Liver cancer due to other causes	2010	0.3019	0.2490	0.3619
High SDI	Both	Liver cancer due to other causes	2011	0.2998	0.2472	0.3594
High SDI	Both	Liver cancer due to other causes	2012	0.2966	0.2443	0.3556
High SDI	Both	Liver cancer due to other causes	2013	0.2931	0.2425	0.3515
High SDI	Both	Liver cancer due to other causes	2014	0.2909	0.2401	0.3482
High SDI	Both	Liver cancer due to other causes	2015	0.2909	0.2395	0.3493
High SDI	Both	Liver cancer due to other causes	2016	0.2916	0.2420	0.3500
High SDI	Both	Liver cancer due to other causes	2017	0.2910	0.2405	0.3513
High SDI	Both	Liver cancer due to other causes	2018	0.2923	0.2409	0.3514
High SDI	Both	Liver cancer due to other causes	2019	0.2943	0.2414	0.3533
High-middle SDI	Both	Liver cancer due to other causes	1990	0.5990	0.4929	0.7221
High-middle SDI	Both	Liver cancer due to other causes	1991	0.6147	0.5113	0.7317
High-middle SDI	Both	Liver cancer due to other causes	1992	0.6267	0.5250	0.7411
High-middle SDI	Both	Liver cancer due to other causes	1993	0.6378	0.5421	0.7430
High-middle SDI	Both	Liver cancer due to other causes	1994	0.6519	0.5541	0.7622
High-middle SDI	Both	Liver cancer due to other causes	1995	0.6579	0.5631	0.7622
High-middle SDI	Both	Liver cancer due to other causes	1996	0.6559	0.5615	0.7594
High-middle SDI	Both	Liver cancer due to other causes	1997	0.6447	0.5527	0.7441
High-middle SDI	Both	Liver cancer due to other causes	1998	0.6297	0.5434	0.7269
High-middle SDI	Both	Liver cancer due to other causes	1999	0.6095	0.5247	0.7080
High-middle SDI	Both	Liver cancer due to other causes	2000	0.5694	0.4886	0.6627
High-middle SDI	Both	Liver cancer due to other causes	2001	0.5050	0.4335	0.5864
High-middle SDI	Both	Liver cancer due to other causes	2002	0.4284	0.3668	0.4996
High-middle SDI	Both	Liver cancer due to other causes	2003	0.3649	0.3132	0.4251
High-middle SDI	Both	Liver cancer due to other causes	2004	0.3218	0.2729	0.3746
High-middle SDI	Both	Liver cancer due to other causes	2005	0.3032	0.2577	0.3569
High-middle SDI	Both	Liver cancer due to other causes	2006	0.2935	0.2509	0.3417
High-middle SDI	Both	Liver cancer due to other causes	2007	0.2864	0.2457	0.3305
High-middle SDI	Both	Liver cancer due to other causes	2008	0.2875	0.2478	0.3370
High-middle SDI	Both	Liver cancer due to other causes	2009	0.2792	0.2389	0.3251
High-middle SDI	Both	Liver cancer due to other causes	2010	0.2696	0.2305	0.3173

High-middle SDI	Both	Liver cancer due to other causes	2011	0.2588	0.2200	0.3023
High-middle SDI	Both	Liver cancer due to other causes	2012	0.2513	0.2148	0.2954
High-middle SDI	Both	Liver cancer due to other causes	2013	0.2487	0.2131	0.2898
High-middle SDI	Both	Liver cancer due to other causes	2014	0.2503	0.2148	0.2934
High-middle SDI	Both	Liver cancer due to other causes	2015	0.2518	0.2133	0.2935
High-middle SDI	Both	Liver cancer due to other causes	2016	0.2534	0.2130	0.2983
High-middle SDI	Both	Liver cancer due to other causes	2017	0.2534	0.2112	0.3008
High-middle SDI	Both	Liver cancer due to other causes	2018	0.2519	0.2105	0.2976
High-middle SDI	Both	Liver cancer due to other causes	2019	0.2504	0.2075	0.2963
Low SDI	Both	Liver cancer due to other causes	1990	0.2724	0.2127	0.3458
Low SDI	Both	Liver cancer due to other causes	1991	0.2734	0.2154	0.3448
Low SDI	Both	Liver cancer due to other causes	1992	0.2741	0.2163	0.3442
Low SDI	Both	Liver cancer due to other causes	1993	0.2743	0.2162	0.3459
Low SDI	Both	Liver cancer due to other causes	1994	0.2734	0.2160	0.3430
Low SDI	Both	Liver cancer due to other causes	1995	0.2723	0.2159	0.3415
Low SDI	Both	Liver cancer due to other causes	1996	0.2705	0.2142	0.3405
Low SDI	Both	Liver cancer due to other causes	1997	0.2688	0.2140	0.3396
Low SDI	Both	Liver cancer due to other causes	1998	0.2663	0.2130	0.3348
Low SDI	Both	Liver cancer due to other causes	1999	0.2635	0.2106	0.3295
Low SDI	Both	Liver cancer due to other causes	2000	0.2607	0.2085	0.3271
Low SDI	Both	Liver cancer due to other causes	2001	0.2577	0.2056	0.3217
Low SDI	Both	Liver cancer due to other causes	2002	0.2551	0.2036	0.3173
Low SDI	Both	Liver cancer due to other causes	2003	0.2545	0.2040	0.3164
Low SDI	Both	Liver cancer due to other causes	2004	0.2537	0.2039	0.3142
Low SDI	Both	Liver cancer due to other causes	2005	0.2531	0.2043	0.3143
Low SDI	Both	Liver cancer due to other causes	2006	0.2518	0.2028	0.3111
Low SDI	Both	Liver cancer due to other causes	2007	0.2500	0.2007	0.3093
Low SDI	Both	Liver cancer due to other causes	2008	0.2496	0.2004	0.3083
Low SDI	Both	Liver cancer due to other causes	2009	0.2490	0.1990	0.3077
Low SDI	Both	Liver cancer due to other causes	2010	0.2494	0.1994	0.3071
Low SDI	Both	Liver cancer due to other causes	2011	0.2484	0.1989	0.3067
Low SDI	Both	Liver cancer due to other causes	2012	0.2472	0.1984	0.3061
Low SDI	Both	Liver cancer due to other causes	2013	0.2485	0.1988	0.3076
Low SDI	Both	Liver cancer due to other causes	2014	0.2471	0.1975	0.3056
Low SDI	Both	Liver cancer due to other causes	2015	0.2464	0.1963	0.3065
Low SDI	Both	Liver cancer due to other causes	2016	0.2443	0.1951	0.3040
Low SDI	Both	Liver cancer due to other causes	2017	0.2425	0.1914	0.3040
Low SDI	Both	Liver cancer due to other causes	2018	0.2420	0.1919	0.3042
Low SDI	Both	Liver cancer due to other causes	2019	0.2401	0.1889	0.3029
Low-middle SDI	Both	Liver cancer due to other causes	1990	0.3463	0.2854	0.4155
Low-middle SDI	Both	Liver cancer due to other causes	1991	0.3505	0.2905	0.4137
Low-middle SDI	Both	Liver cancer due to other causes	1992	0.3546	0.2964	0.4221
Low-middle SDI	Both	Liver cancer due to other causes	1993	0.3594	0.3033	0.4199
Low-middle SDI	Both	Liver cancer due to other causes	1994	0.3628	0.3076	0.4258
Low-middle SDI	Both	Liver cancer due to other causes	1995	0.3620	0.3064	0.4252
Low-middle SDI	Both	Liver cancer due to other causes	1996	0.3585	0.3058	0.4179
Low-middle SDI	Both	Liver cancer due to other causes	1997	0.3533	0.3002	0.4097
Low-middle SDI	Both	Liver cancer due to other causes	1998	0.3441	0.2924	0.3966
Low-middle SDI	Both	Liver cancer due to other causes	1999	0.3334	0.2833	0.3867
Low-middle SDI	Both	Liver cancer due to other causes	2000	0.3196	0.2709	0.3696
Low-middle SDI	Both	Liver cancer due to other causes	2001	0.3003	0.2563	0.3489
Low-middle SDI	Both	Liver cancer due to other causes	2002	0.2795	0.2370	0.3247
Low-middle SDI	Both	Liver cancer due to other causes	2003	0.2582	0.2186	0.2991
Low-middle SDI	Both	Liver cancer due to other causes	2004	0.2435	0.2072	0.2829

Low-middle SDI	Both	Liver cancer due to other causes	2005	0.2383	0.2025	0.2769
Low-middle SDI	Both	Liver cancer due to other causes	2006	0.2347	0.1994	0.2734
Low-middle SDI	Both	Liver cancer due to other causes	2007	0.2310	0.1954	0.2711
Low-middle SDI	Both	Liver cancer due to other causes	2008	0.2307	0.1957	0.2701
Low-middle SDI	Both	Liver cancer due to other causes	2009	0.2279	0.1932	0.2654
Low-middle SDI	Both	Liver cancer due to other causes	2010	0.2271	0.1915	0.2652
Low-middle SDI	Both	Liver cancer due to other causes	2011	0.2260	0.1905	0.2628
Low-middle SDI	Both	Liver cancer due to other causes	2012	0.2246	0.1900	0.2626
Low-middle SDI	Both	Liver cancer due to other causes	2013	0.2256	0.1919	0.2640
Low-middle SDI	Both	Liver cancer due to other causes	2014	0.2275	0.1915	0.2672
Low-middle SDI	Both	Liver cancer due to other causes	2015	0.2313	0.1956	0.2719
Low-middle SDI	Both	Liver cancer due to other causes	2016	0.2327	0.1947	0.2762
Low-middle SDI	Both	Liver cancer due to other causes	2017	0.2340	0.1947	0.2775
Low-middle SDI	Both	Liver cancer due to other causes	2018	0.2344	0.1948	0.2801
Low-middle SDI	Both	Liver cancer due to other causes	2019	0.2332	0.1928	0.2817
Middle SDI	Both	Liver cancer due to other causes	1990	0.9510	0.7766	1.1603
Middle SDI	Both	Liver cancer due to other causes	1991	0.9593	0.7936	1.1736
Middle SDI	Both	Liver cancer due to other causes	1992	0.9650	0.8057	1.1560
Middle SDI	Both	Liver cancer due to other causes	1993	0.9725	0.8155	1.1410
Middle SDI	Both	Liver cancer due to other causes	1994	0.9842	0.8386	1.1521
Middle SDI	Both	Liver cancer due to other causes	1995	0.9838	0.8387	1.1483
Middle SDI	Both	Liver cancer due to other causes	1996	0.9716	0.8348	1.1361
Middle SDI	Both	Liver cancer due to other causes	1997	0.9430	0.8075	1.0940
Middle SDI	Both	Liver cancer due to other causes	1998	0.9139	0.7848	1.0551
Middle SDI	Both	Liver cancer due to other causes	1999	0.8809	0.7578	1.0190
Middle SDI	Both	Liver cancer due to other causes	2000	0.8184	0.7017	0.9506
Middle SDI	Both	Liver cancer due to other causes	2001	0.7291	0.6246	0.8452
Middle SDI	Both	Liver cancer due to other causes	2002	0.6261	0.5351	0.7310
Middle SDI	Both	Liver cancer due to other causes	2003	0.5441	0.4645	0.6288
Middle SDI	Both	Liver cancer due to other causes	2004	0.4861	0.4159	0.5674
Middle SDI	Both	Liver cancer due to other causes	2005	0.4573	0.3903	0.5334
Middle SDI	Both	Liver cancer due to other causes	2006	0.4424	0.3752	0.5175
Middle SDI	Both	Liver cancer due to other causes	2007	0.4316	0.3696	0.5007
Middle SDI	Both	Liver cancer due to other causes	2008	0.4320	0.3688	0.5016
Middle SDI	Both	Liver cancer due to other causes	2009	0.4275	0.3638	0.4993
Middle SDI	Both	Liver cancer due to other causes	2010	0.4220	0.3554	0.4986
Middle SDI	Both	Liver cancer due to other causes	2011	0.4163	0.3534	0.4863
Middle SDI	Both	Liver cancer due to other causes	2012	0.4139	0.3505	0.4895
Middle SDI	Both	Liver cancer due to other causes	2013	0.4178	0.3543	0.4895
Middle SDI	Both	Liver cancer due to other causes	2014	0.4249	0.3581	0.4988
Middle SDI	Both	Liver cancer due to other causes	2015	0.4296	0.3654	0.5062
Middle SDI	Both	Liver cancer due to other causes	2016	0.4323	0.3624	0.5126
Middle SDI	Both	Liver cancer due to other causes	2017	0.4318	0.3579	0.5154
Middle SDI	Both	Liver cancer due to other causes	2018	0.4261	0.3500	0.5127
Middle SDI	Both	Liver cancer due to other causes	2019	0.4208	0.3426	0.5057

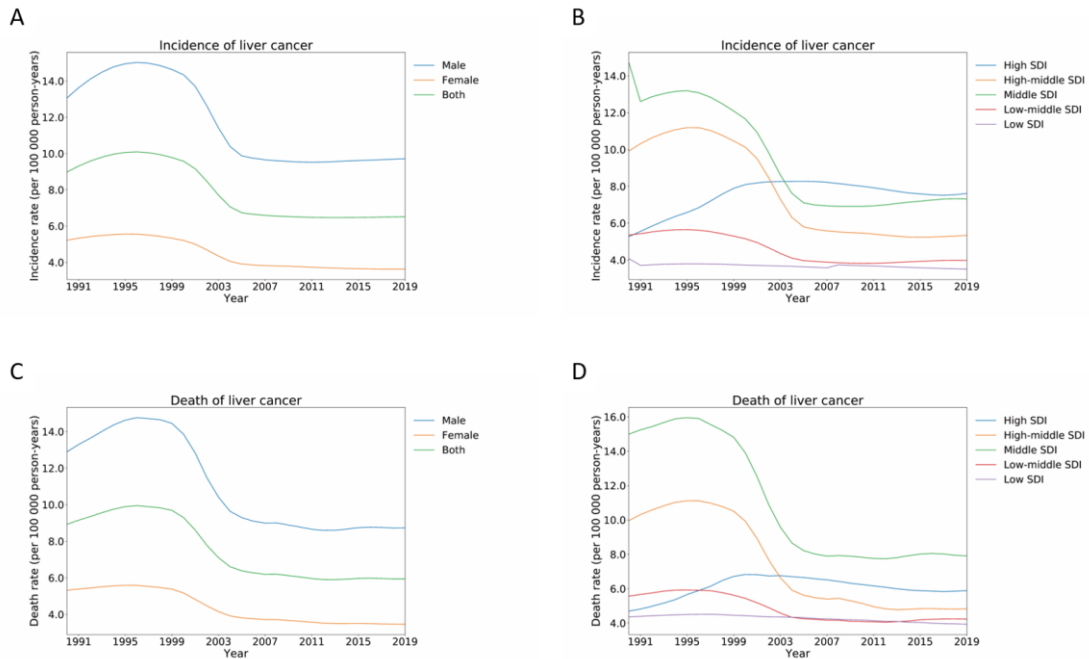
location	sex	cause_name	year	Age-standardised death rate (per 100 000 person-years)	95% CI (lower)	95% CI (upper)
Afghanistan	Both	Liver cancer due to other causes	2019	0.7512	0.4944	1.1009
Albania	Both	Liver cancer due to other causes	2019	0.2565	0.1692	0.3755
Algeria	Both	Liver cancer due to other causes	2019	0.1407	0.0950	0.1995
American Samoa	Both	Liver cancer due to other causes	2019	0.2798	0.1899	0.4047
Andorra	Both	Liver cancer due to other causes	2019	0.4311	0.2668	0.6649
Angola	Both	Liver cancer due to other causes	2019	0.1619	0.1073	0.2401
Antigua and Barbuda	Both	Liver cancer due to other causes	2019	0.1719	0.1190	0.2413
Argentina	Both	Liver cancer due to other causes	2019	0.1256	0.0911	0.1694
Armenia	Both	Liver cancer due to other causes	2019	0.2582	0.1721	0.3670
Australia	Both	Liver cancer due to other causes	2019	0.2000	0.1437	0.2717
Austria	Both	Liver cancer due to other causes	2019	0.2074	0.1430	0.2887
Azerbaijan	Both	Liver cancer due to other causes	2019	0.1885	0.1278	0.2858
Bahamas	Both	Liver cancer due to other causes	2019	0.1993	0.1370	0.2780
Bahrain	Both	Liver cancer due to other causes	2019	0.2739	0.1785	0.4157
Bangladesh	Both	Liver cancer due to other causes	2019	0.1538	0.1161	0.2006
Barbados	Both	Liver cancer due to other causes	2019	0.1982	0.1380	0.2743
Belarus	Both	Liver cancer due to other causes	2019	0.1318	0.0960	0.1803
Belgium	Both	Liver cancer due to other causes	2019	0.1764	0.1235	0.2443
Belize	Both	Liver cancer due to other causes	2019	0.1988	0.1398	0.2735
Benin	Both	Liver cancer due to other causes	2019	0.2797	0.1810	0.4110
Bermuda	Both	Liver cancer due to other causes	2019	0.1085	0.0738	0.1532
Bhutan	Both	Liver cancer due to other causes	2019	0.1401	0.0922	0.2104
Bolivia (Plurinational State of)	Both	Liver cancer due to other causes	2019	0.3794	0.2371	0.5786
Bosnia and Herzegovina	Both	Liver cancer due to other causes	2019	0.2976	0.1883	0.4415
Botswana	Both	Liver cancer due to other causes	2019	0.0747	0.0467	0.1109
Brazil	Both	Liver cancer due to other causes	2019	0.1326	0.1156	0.1513
Brunei Darussalam	Both	Liver cancer due to other causes	2019	0.4660	0.3049	0.6640
Bulgaria	Both	Liver cancer due to other causes	2019	0.1558	0.1043	0.2203
Burkina Faso	Both	Liver cancer due to other causes	2019	0.2169	0.1497	0.3050
Burundi	Both	Liver cancer due to other causes	2019	0.2448	0.1609	0.3781
Cabo Verde	Both	Liver cancer due to other causes	2019	0.5971	0.4085	0.8551
Cambodia	Both	Liver cancer due to other causes	2019	0.7297	0.4415	1.1877
Cameroon	Both	Liver cancer due to other causes	2019	0.0353	0.0226	0.0518
Canada	Both	Liver cancer due to other causes	2019	0.2357	0.1737	0.3225
Central African Republic	Both	Liver cancer due to other causes	2019	0.2006	0.1208	0.3175
Chad	Both	Liver cancer due to other causes	2019	0.2995	0.1976	0.4329
Chile	Both	Liver cancer due to other causes	2019	0.1820	0.1287	0.2529
China	Both	Liver cancer due to other causes	2019	0.5691	0.4644	0.6857
Colombia	Both	Liver cancer due to other causes	2019	0.1490	0.0999	0.2111
Comoros	Both	Liver cancer due to other causes	2019	0.2521	0.1563	0.3792
Congo	Both	Liver cancer due to other causes	2019	0.1568	0.1025	0.2314
Cook Islands	Both	Liver cancer due to other causes	2019	0.4055	0.2626	0.5911
Costa Rica	Both	Liver cancer due to other causes	2019	0.2635	0.1734	0.3856
Côte d'Ivoire	Both	Liver cancer due to other causes	2019	0.2466	0.1556	0.3704
Croatia	Both	Liver cancer due to other causes	2019	0.1336	0.0872	0.1936
Cuba	Both	Liver cancer due to other causes	2019	0.1318	0.0870	0.1896
Cyprus	Both	Liver cancer due to other causes	2019	0.1679	0.1147	0.2361
Czechia	Both	Liver cancer due to other causes	2019	0.0949	0.0646	0.1345
Democratic People's Republic of Korea	Both	Liver cancer due to other causes	2019	0.5909	0.3752	0.8645
Democratic Republic of the Congo	Both	Liver cancer due to other causes	2019	0.1623	0.1005	0.2522
Denmark	Both	Liver cancer due to other causes	2019	0.1642	0.1167	0.2258
Djibouti	Both	Liver cancer due to other causes	2019	0.2706	0.1594	0.4299
Dominica	Both	Liver cancer due to other causes	2019	0.2026	0.1389	0.2876
Dominican Republic	Both	Liver cancer due to other causes	2019	0.3220	0.2134	0.4852
Ecuador	Both	Liver cancer due to other causes	2019	0.2703	0.1795	0.3877
Egypt	Both	Liver cancer due to other causes	2019	1.0317	0.6289	1.6174
El Salvador	Both	Liver cancer due to other causes	2019	0.1143	0.0745	0.1700
Equatorial Guinea	Both	Liver cancer due to other causes	2019	0.1618	0.0932	0.2599
Eritrea	Both	Liver cancer due to other causes	2019	0.2894	0.1856	0.4340
Estonia	Both	Liver cancer due to other causes	2019	0.1259	0.0832	0.1839
Eswatini	Both	Liver cancer due to other causes	2019	0.7480	0.2579	1.4607

Ethiopia	Both	Liver cancer due to other causes	2019	0.2031	0.1568	0.2607
Fiji	Both	Liver cancer due to other causes	2019	0.2830	0.1836	0.4150
Finland	Both	Liver cancer due to other causes	2019	0.1933	0.1339	0.2704
France	Both	Liver cancer due to other causes	2019	0.2657	0.1828	0.3745
Gabon	Both	Liver cancer due to other causes	2019	0.1564	0.0977	0.2266
Gambia	Both	Liver cancer due to other causes	2019	2.0000	1.3396	2.8947
Georgia	Both	Liver cancer due to other causes	2019	0.1282	0.0877	0.1792
Germany	Both	Liver cancer due to other causes	2019	0.2379	0.1705	0.3223
Ghana	Both	Liver cancer due to other causes	2019	0.2833	0.1924	0.4056
Greece	Both	Liver cancer due to other causes	2019	0.1577	0.1080	0.2215
Greenland	Both	Liver cancer due to other causes	2019	0.4961	0.3153	0.7435
Grenada	Both	Liver cancer due to other causes	2019	0.1870	0.1326	0.2566
Guam	Both	Liver cancer due to other causes	2019	0.1944	0.1298	0.2732
Guatemala	Both	Liver cancer due to other causes	2019	0.3094	0.2087	0.4401
Guinea	Both	Liver cancer due to other causes	2019	1.6359	1.0799	2.3759
Guinea-Bissau	Both	Liver cancer due to other causes	2019	0.3369	0.2117	0.5202
Guyana	Both	Liver cancer due to other causes	2019	0.2111	0.1396	0.3052
Haiti	Both	Liver cancer due to other causes	2019	0.3064	0.1711	0.4922
Honduras	Both	Liver cancer due to other causes	2019	0.8579	0.3364	1.4599
Hungary	Both	Liver cancer due to other causes	2019	0.0902	0.0618	0.1248
Iceland	Both	Liver cancer due to other causes	2019	0.1430	0.0984	0.1985
India	Both	Liver cancer due to other causes	2019	0.1294	0.1059	0.1570
Indonesia	Both	Liver cancer due to other causes	2019	0.1155	0.0961	0.1371
Iran (Islamic Republic of)	Both	Liver cancer due to other causes	2019	0.2575	0.2187	0.3042
Iraq	Both	Liver cancer due to other causes	2019	0.3780	0.2462	0.5598
Ireland	Both	Liver cancer due to other causes	2019	0.1696	0.1167	0.2324
Israel	Both	Liver cancer due to other causes	2019	0.1689	0.1172	0.2370
Italy	Both	Liver cancer due to other causes	2019	0.1380	0.1166	0.1622
Jamaica	Both	Liver cancer due to other causes	2019	0.1786	0.1216	0.2539
Japan	Both	Liver cancer due to other causes	2019	0.2573	0.2175	0.3017
Jordan	Both	Liver cancer due to other causes	2019	0.1444	0.0981	0.2107
Kazakhstan	Both	Liver cancer due to other causes	2019	0.2385	0.1651	0.3254
Kenya	Both	Liver cancer due to other causes	2019	0.2693	0.1803	0.3913
Kiribati	Both	Liver cancer due to other causes	2019	0.6002	0.4003	0.9014
Kuwait	Both	Liver cancer due to other causes	2019	0.1275	0.0850	0.1861
Kyrgyzstan	Both	Liver cancer due to other causes	2019	0.1106	0.0810	0.1474
Lao People's Democratic Republic	Both	Liver cancer due to other causes	2019	0.2141	0.1379	0.3097
Latvia	Both	Liver cancer due to other causes	2019	0.1043	0.0732	0.1445
Lebanon	Both	Liver cancer due to other causes	2019	0.1458	0.0941	0.2211
Lesotho	Both	Liver cancer due to other causes	2019	0.6153	0.2730	1.0734
Liberia	Both	Liver cancer due to other causes	2019	0.2562	0.1592	0.3854
Libya	Both	Liver cancer due to other causes	2019	0.3303	0.2159	0.5008
Lithuania	Both	Liver cancer due to other causes	2019	0.1070	0.0753	0.1507
Luxembourg	Both	Liver cancer due to other causes	2019	0.1780	0.1188	0.2545
Madagascar	Both	Liver cancer due to other causes	2019	0.2198	0.1427	0.3326
Malawi	Both	Liver cancer due to other causes	2019	0.3506	0.2564	0.4682
Malaysia	Both	Liver cancer due to other causes	2019	0.1495	0.0978	0.2217
Maldives	Both	Liver cancer due to other causes	2019	0.1502	0.0991	0.2213
Mali	Both	Liver cancer due to other causes	2019	0.6745	0.4369	0.9906
Malta	Both	Liver cancer due to other causes	2019	0.1224	0.0882	0.1682
Marshall Islands	Both	Liver cancer due to other causes	2019	0.4472	0.2686	0.6723
Mauritania	Both	Liver cancer due to other causes	2019	0.2341	0.1492	0.3500
Mauritius	Both	Liver cancer due to other causes	2019	0.0651	0.0444	0.0920
Mexico	Both	Liver cancer due to other causes	2019	0.2281	0.1898	0.2700
Micronesia (Federated States of)	Both	Liver cancer due to other causes	2019	0.4438	0.2624	0.7242
Monaco	Both	Liver cancer due to other causes	2019	0.3708	0.2413	0.5353
Mongolia	Both	Liver cancer due to other causes	2019	3.7757	2.3857	5.7379
Montenegro	Both	Liver cancer due to other causes	2019	0.2102	0.1434	0.2971
Morocco	Both	Liver cancer due to other causes	2019	0.1342	0.0856	0.1975
Mozambique	Both	Liver cancer due to other causes	2019	0.3179	0.2159	0.4571
Myanmar	Both	Liver cancer due to other causes	2019	0.2463	0.1691	0.3519
Namibia	Both	Liver cancer due to other causes	2019	0.1705	0.1111	0.2483
Nauru	Both	Liver cancer due to other causes	2019	0.4244	0.2568	0.6758
Nepal	Both	Liver cancer due to other causes	2019	0.1298	0.0901	0.1950

Netherlands	Both	Liver cancer due to other causes	2019	0.1570	0.1151	0.2101
New Zealand	Both	Liver cancer due to other causes	2019	0.1947	0.1680	0.2246
Nicaragua	Both	Liver cancer due to other causes	2019	0.2241	0.1550	0.3123
Niger	Both	Liver cancer due to other causes	2019	0.0328	0.0217	0.0471
Nigeria	Both	Liver cancer due to other causes	2019	0.2086	0.1580	0.2675
Niue	Both	Liver cancer due to other causes	2019	0.3052	0.1942	0.4617
North Macedonia	Both	Liver cancer due to other causes	2019	0.3197	0.2076	0.4732
Northern Mariana Islands	Both	Liver cancer due to other causes	2019	0.2622	0.1750	0.3792
Norway	Both	Liver cancer due to other causes	2019	0.1381	0.1162	0.1636
Oman	Both	Liver cancer due to other causes	2019	0.2873	0.2021	0.4047
Pakistan	Both	Liver cancer due to other causes	2019	0.1805	0.1441	0.2255
Palau	Both	Liver cancer due to other causes	2019	0.3103	0.2009	0.4670
Palestine	Both	Liver cancer due to other causes	2019	0.3870	0.2648	0.5469
Panama	Both	Liver cancer due to other causes	2019	0.1715	0.1149	0.2424
Papua New Guinea	Both	Liver cancer due to other causes	2019	0.0743	0.0497	0.1074
Paraguay	Both	Liver cancer due to other causes	2019	0.1051	0.0682	0.1537
Peru	Both	Liver cancer due to other causes	2019	0.2006	0.1331	0.2900
Philippines	Both	Liver cancer due to other causes	2019	0.2100	0.1706	0.2593
Poland	Both	Liver cancer due to other causes	2019	0.0742	0.0607	0.0891
Portugal	Both	Liver cancer due to other causes	2019	0.2158	0.1539	0.2951
Puerto Rico	Both	Liver cancer due to other causes	2019	0.1485	0.0967	0.2149
Qatar	Both	Liver cancer due to other causes	2019	0.7147	0.4184	1.1605
Republic of Korea	Both	Liver cancer due to other causes	2019	0.5304	0.3552	0.7387
Republic of Moldova	Both	Liver cancer due to other causes	2019	0.0827	0.0614	0.1096
Romania	Both	Liver cancer due to other causes	2019	0.1080	0.0757	0.1482
Russian Federation	Both	Liver cancer due to other causes	2019	0.1486	0.1140	0.1911
Rwanda	Both	Liver cancer due to other causes	2019	0.3601	0.2433	0.5174
Saint Kitts and Nevis	Both	Liver cancer due to other causes	2019	0.2207	0.1420	0.3170
Saint Lucia	Both	Liver cancer due to other causes	2019	0.1281	0.0889	0.1802
Saint Vincent and the Grenadines	Both	Liver cancer due to other causes	2019	0.1757	0.1238	0.2412
Samoa	Both	Liver cancer due to other causes	2019	0.2008	0.1275	0.2921
San Marino	Both	Liver cancer due to other causes	2019	0.1538	0.0958	0.2349
Sao Tome and Principe	Both	Liver cancer due to other causes	2019	0.1401	0.0910	0.2025
Saudi Arabia	Both	Liver cancer due to other causes	2019	0.2171	0.1346	0.3372
Senegal	Both	Liver cancer due to other causes	2019	0.1577	0.1038	0.2295
Serbia	Both	Liver cancer due to other causes	2019	0.1579	0.0995	0.2341
Seychelles	Both	Liver cancer due to other causes	2019	0.1559	0.1068	0.2206
Sierra Leone	Both	Liver cancer due to other causes	2019	0.2805	0.1821	0.4209
Singapore	Both	Liver cancer due to other causes	2019	0.2452	0.1558	0.3623
Slovakia	Both	Liver cancer due to other causes	2019	0.1174	0.0781	0.1670
Slovenia	Both	Liver cancer due to other causes	2019	0.1622	0.1036	0.2406
Solomon Islands	Both	Liver cancer due to other causes	2019	0.3646	0.2589	0.4900
Somalia	Both	Liver cancer due to other causes	2019	0.2977	0.1762	0.5008
South Africa	Both	Liver cancer due to other causes	2019	0.2744	0.2311	0.3241
South Sudan	Both	Liver cancer due to other causes	2019	0.2314	0.1417	0.3644
Spain	Both	Liver cancer due to other causes	2019	0.1843	0.1275	0.2585
Sri Lanka	Both	Liver cancer due to other causes	2019	0.0984	0.0633	0.1436
Sudan	Both	Liver cancer due to other causes	2019	0.3048	0.1810	0.4948
Suriname	Both	Liver cancer due to other causes	2019	0.1717	0.1176	0.2448
Sweden	Both	Liver cancer due to other causes	2019	0.1839	0.1560	0.2163
Switzerland	Both	Liver cancer due to other causes	2019	0.2004	0.1364	0.2810
Syrian Arab Republic	Both	Liver cancer due to other causes	2019	0.2948	0.1906	0.4346
Taiwan (Province of China)	Both	Liver cancer due to other causes	2019	0.3462	0.2275	0.5150
Tajikistan	Both	Liver cancer due to other causes	2019	0.1647	0.1152	0.2392
Thailand	Both	Liver cancer due to other causes	2019	0.6298	0.3890	0.9500
Timor-Leste	Both	Liver cancer due to other causes	2019	0.2181	0.1340	0.3266
Togo	Both	Liver cancer due to other causes	2019	0.2805	0.1858	0.4039
Tokelau	Both	Liver cancer due to other causes	2019	0.3184	0.2008	0.4750
Tonga	Both	Liver cancer due to other causes	2019	0.9403	0.5737	1.4356
Trinidad and Tobago	Both	Liver cancer due to other causes	2019	0.1668	0.1094	0.2439
Tunisia	Both	Liver cancer due to other causes	2019	0.0812	0.0505	0.1266
Turkey	Both	Liver cancer due to other causes	2019	0.1741	0.1173	0.2435
Turkmenistan	Both	Liver cancer due to other causes	2019	0.2816	0.2103	0.3784
Tuvalu	Both	Liver cancer due to other causes	2019	0.3670	0.2303	0.5499

Uganda	Both	Liver cancer due to other causes	2019	0.4782	0.3300	0.6772
Ukraine	Both	Liver cancer due to other causes	2019	0.1490	0.1127	0.1959
United Arab Emirates	Both	Liver cancer due to other causes	2019	0.2312	0.0987	0.5534
United Kingdom	Both	Liver cancer due to other causes	2019	0.2114	0.1824	0.2442
United Republic of Tanzania	Both	Liver cancer due to other causes	2019	0.2414	0.1683	0.3404
United States of America	Both	Liver cancer due to other causes	2019	0.3739	0.3136	0.4356
United States Virgin Islands	Both	Liver cancer due to other causes	2019	0.1411	0.0991	0.1986
Uruguay	Both	Liver cancer due to other causes	2019	0.1366	0.0980	0.1892
Uzbekistan	Both	Liver cancer due to other causes	2019	0.2811	0.1942	0.3957
Vanuatu	Both	Liver cancer due to other causes	2019	0.3810	0.2262	0.5799
Venezuela (Bolivarian Republic of)	Both	Liver cancer due to other causes	2019	0.1264	0.0847	0.1846
Viet Nam	Both	Liver cancer due to other causes	2019	0.0958	0.0658	0.1403
Yemen	Both	Liver cancer due to other causes	2019	0.2471	0.1538	0.3608
Zambia	Both	Liver cancer due to other causes	2019	0.2411	0.1645	0.3360
Zimbabwe	Both	Liver cancer due to other causes	2019	0.7238	0.4537	1.1003

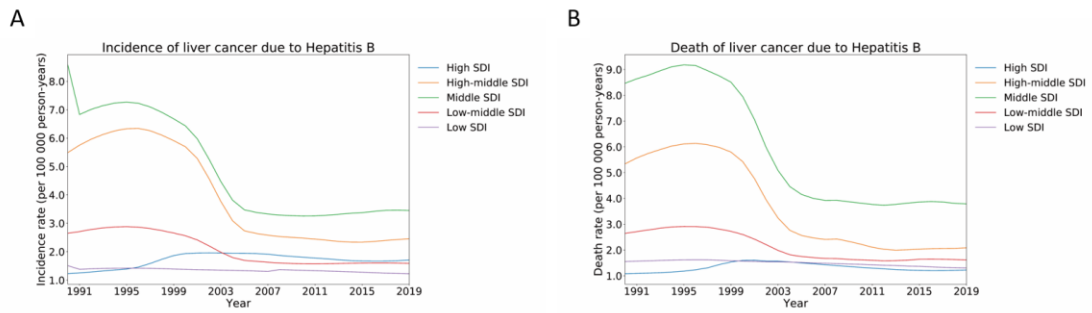
11 **Supplementary Figure Legends**



12

13 **Supplementary Figure 1 Burden of liver cancer for 204 countries and**  
14 **territories.** Age-standardized incidence rate per 100000 population of liver  
15 cancer from 1990 through 2019, stratified by sex (A) or the Socio-  
16 demographic Index (SDI) (B). Age-standardized death rate per 100000  
17 population of liver cancer from 1990 to 2019, stratified by sex (C) or the SDI  
18 (D).

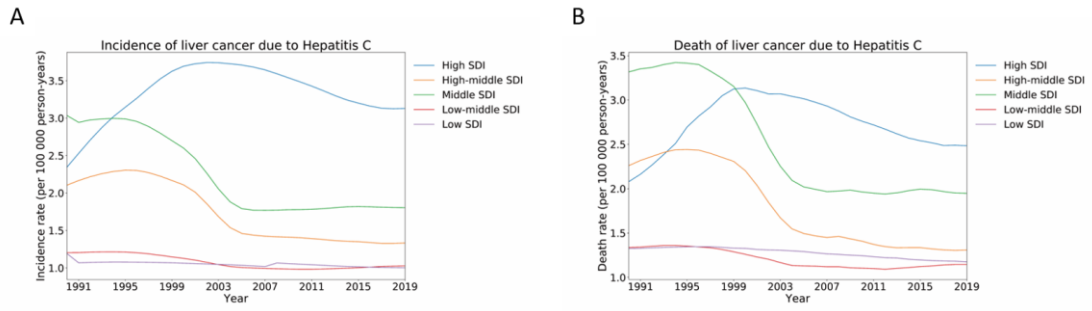




19

20 **Supplementary Figure 2 Burden of liver cancer caused by hepatitis B for**  
 21 **204 countries and territories.** Age-standardized incidence (A) and death (B)  
 22 rates per 100000 population of liver cancer caused by hepatitis B from 1990  
 23 through 2019, stratified by the Socio-demographic Index (SDI).

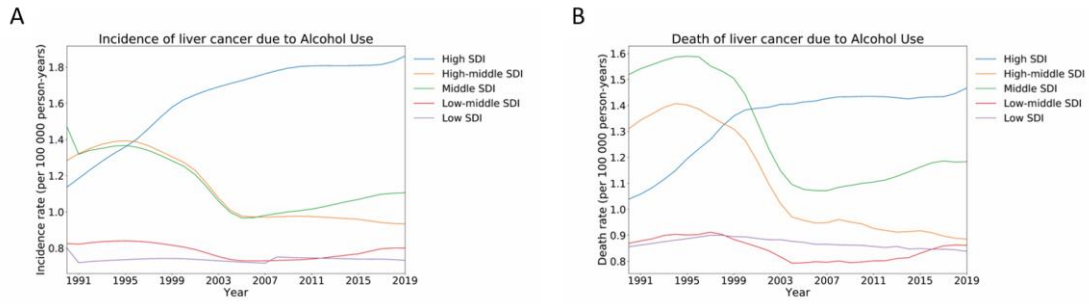
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26 **Supplementary Figure 3 Burden of liver cancer caused by hepatitis C for**  
 27 **204 countries and territories.** Age-standardized incidence (A) and death (B)  
 28 rate per 100000 population of liver cancer caused by hepatitis C from 1990  
 29 through 2019, stratified by the Socio-demographic Index (SDI).

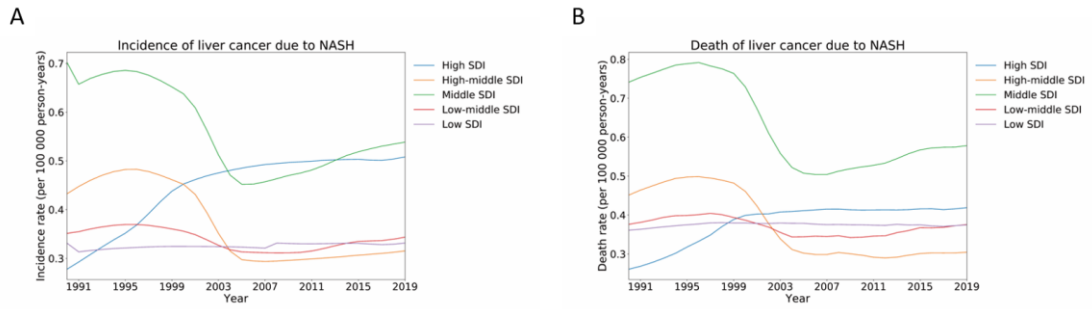
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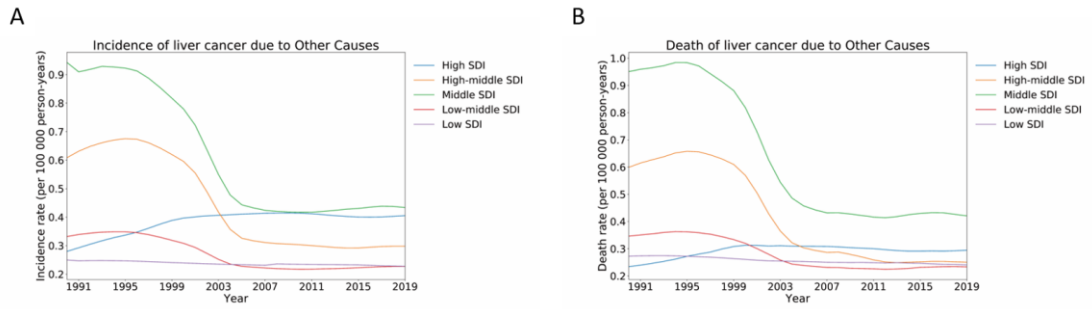
32 **Supplementary Figure 4 Burden of liver cancer attributed to alcohol use for**  
 33 **204 countries and territories.** Age-standardized incidence (A) and death (B)  
 34 rate per 100000 population of liver cancer attributed to alcohol use from 1990  
 35 through 2019, stratified by the Socio-demographic Index (SDI).

36



37

38 **Supplementary Figure 5 Burden of liver cancer attributed to nonalcoholic**  
 39 **steatohepatitis (NASH) for 204 countries and territories.** Age-standardized  
 40 incidence (A) and death (B) rate per 100000 population of liver cancer  
 41 attributed to NASH from 1990 through 2019, stratified by the Socio-  
 42 demographic Index (SDI).



43

44 **Supplementary Figure 6 Burden of liver cancer attributed to other causes**  
 45 **for 204 countries and territories.** Age-standardized incidence (A) and death  
 46 (B) rate per 100000 population of liver cancer attributed to other causes from  
 47 1990 through 2019, stratified by the Socio-demographic Index (SDI).