

Supplementary Table 1 The age-standardized rates of mortality and disability-adjusted life years due to diet high in processed meat for 1990-2019 in member countries of the Belt and Road Initiative countries

Gobal/regions/countries	1990(/100000)				2019(/100000)			
	Mortality	95%UI	DALYs	95%UI	Mortality	95%UI	DALYs	95%UI
Global	0.56	0.20 to 0.87	11.71	4.48 to 17.96	0.43	0.15 to 0.66	8.96	3.20 to 13.74
SDI Regions								
High SDI	1.18	0.39 to 1.79	25.99	9.05 to 39.58	0.91	0.32 to 1.41	20.47	7.27 to 31.70
High-middle SDI	0.63	0.22 to 1.02	14.41	5.27 to 23.23	0.52	0.14 to 0.81	11.30	3.11 to 17.61
Middle SDI	0.08	0.03 to 0.11	1.83	0.77 to 2.79	0.14	0.04 to 0.22	3.36	0.99 to 5.54
Low-middle SDI	0.08	0.03 to 0.12	1.85	0.75 to 2.87	0.12	0.05 to 0.19	2.99	1.18 to 4.59
Low SDI	0.09	0.02 to 0.16	2.29	0.52 to 4.02	0.12	0.03 to 0.20	2.88	0.67 to 4.84

East Asia

China	0.07	0.03 0.11	to	1.79	0.81 to 2.85	0.16	0.04 0.29	to	4.11	0.79 to 7.48
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Central Asia

Armenia	0.31	0.04 0.55	to	8.57	0.98 14.95	to	0.35	0.04 0.63	to	8.35	0.96 to 14.91
Azerbaijan	0.36	0.06 0.61	to	10.77	1.76 17.86	to	0.46	0.08 0.81	to	11.79	2.41 to 20.30
Georgia	0.39	0.06 0.66	to	11.22	1.92 18.63	to	0.47	0.08 0.83	to	12.67	2.45 to 21.94
Kazakhstan	0.62	0.12 1.02	to	16.51	3.14 26.53	to	0.55	0.09 0.91	to	13.20	2.34 to 22.01
Kyrgyzstan	0.43	0.07 0.71	to	11.97	2.35 19.68	to	0.30	0.04 0.51	to	6.98	1.18 to 11.96
Mongolia	0.30	0.04 0.54	to	8.04	1.35 14.02	to	0.32	0.05 0.57	to	8.00	1.48 to 14.00
Tajikistan	0.26	0.03 0.44	to	7.84	1.13 13.36	to	0.27	0.03 0.49	to	6.37	0.82 to 11.53

Turkmenistan	0.29	0.05 0.47	to	8.30	1.58 13.46	to	0.29	0.06 0.50	to	7.23	1.70 to 12.24
Uzbekistan	0.26	0.04 0.43	to	7.57	1.46 12.44	to	0.35	0.06 0.62	to	8.08	1.49 to 14.04
South Asia											
Bangladesh	0.11	0.01 0.21	to	2.75	0.31 to 5.19		0.13	0.02 0.28	to	3.14	0.41 to 6.35
Bhutan	0.12	0.01 0.25	to	3.00	0.38 to 6.15		0.21	0.03 0.41	to	4.76	0.75 to 9.09
India	0.05	0.03 0.07	to	1.14	0.78 to 1.77		0.09	0.06 0.13	to	2.06	1.35 to 3.05
Nepal	0.09	0.01 0.18	to	2.37	0.29 to 4.69		0.16	0.02 0.30	to	3.72	0.51 to 6.99
Pakistan	0.15	0.02 0.26	to	3.79	0.56 to 6.52		0.24	0.04 0.44	to	6.14	0.98 to 11.21
Southeast Asia											
Cambodia	0.05	0.03 0.08	to	1.27	0.69 to 2.04		0.09	0.04 0.14	to	2.13	0.98 to 3.53

Indonesia	0.04	0.03 0.05	to	0.90	0.64 to 1.17	0.08	0.05 0.12	to	1.81	1.02 to 2.78
Lao People's Democratic Republic	0.06	0.03 0.09	to	1.48	0.72 to 2.51	0.08	0.04 0.14	to	2.08	0.91 to 3.63
Malaysia	0.17	0.03 0.31	to	3.91	0.77 to 7.07	0.28	0.04 0.54	to	6.38	0.89 to 12.41
Maldives	0.05	0.03 0.08	to	1.24	0.61 to 2.07	0.06	0.03 0.09	to	1.13	0.55 to 1.78
Myanmar	0.05	0.03 0.07	to	1.23	0.68 to 1.99	0.08	0.04 0.14	to	2.00	0.86 to 3.57
Philippines	0.14	0.03 0.25	to	3.66	0.77 to 6.50	0.22	0.03 0.40	to	5.80	0.84 to 10.81
Sri Lanka	0.03	0.02 0.04	to	0.69	0.33 to 1.07	0.04	0.02 0.08	to	0.99	0.38 to 1.76
Thailand	0.05	0.03 0.07	to	1.21	0.79 to 1.65	0.07	0.03 0.11	to	1.60	0.62 to 2.89
Viet Nam	0.03	0.02 0.03	to	0.65	0.50 to 0.81	0.07	0.05 0.10	to	1.73	1.16 to 2.42

High-income Asia pacific

Brunei Darussalam	0.75	0.10 1.35	to	17.57	2.50 31.62	to	0.79	0.10 1.41	to	17.61	2.45 to 31.62
Singapore	0.38	0.05 0.68	to	8.83	1.18 15.60	to	0.33	0.04 0.58	to	7.27	0.78 to 12.76

North Africa and Middle East

Afghanistan	0.06	0.02 0.13	to	1.66	0.40 to 3.59	0.06	0.02 0.12	to	1.68	0.47 to 3.26
Bahrain	0.12	0.03 0.22	to	2.78	0.62 to 5.07	0.12	0.03 0.23	to	2.40	0.50 to 4.62
Egypt	0.05	0.01 0.09	to	1.36	0.29 to 2.37	0.10	0.02 0.21	to	2.63	0.37 to 5.45
Iran (Islamic Republic of)	0.07	0.02 0.12	to	1.62	0.45 to 2.98	0.09	0.03 0.16	to	2.15	0.58 to 3.71
Iraq	0.06	0.02 0.13	to	1.59	0.36 to 3.26	0.07	0.02 0.13	to	1.74	0.45 to 3.29
Jordan	0.11	0.03 0.20	to	2.69	0.64 to 5.10	0.12	0.03 0.23	to	2.85	0.63 to 5.32

Kuwait	0.07	0.02 0.12	to	1.59	0.37 to 2.87	0.11	0.02 0.20	to	2.23	0.47 to 4.27
Lebanon	0.12	0.03 0.23	to	2.86	0.64 to 5.49	0.16	0.04 0.31	to	3.70	0.82 to 7.11
Oman	0.06	0.02 0.12	to	1.43	0.41 to 2.80	0.09	0.02 0.17	to	1.89	0.46 to 3.56
Palestine	0.11	0.04 0.20	to	2.73	0.81 to 5.21	0.15	0.05 0.25	to	3.39	1.13 to 5.92
Qatar	0.15	0.03 0.30	to	3.11	0.61 to 6.08	0.19	0.04 0.36	to	3.36	0.66 to 6.43
Saudi Arabia	0.06	0.01 0.11	to	1.33	0.30 to 2.71	0.10	0.02 0.18	to	2.38	0.46 to 4.55
Syrian Arab Republic	0.05	0.01 0.10	to	1.31	0.29 to 2.52	0.06	0.01 0.11	to	1.34	0.31 to 2.67
Turkey	0.11	0.03 0.21	to	2.86	0.66 to 5.39	0.14	0.03 0.26	to	3.25	0.58 to 6.29
United Arab Emirates	0.32	0.04 0.66	to	6.78	0.83 to 13.91	0.23	0.03 0.49	to	4.48	0.63 to 9.60

Yemen	0.04	0.01 0.08	to	1.01	0.30 to 2.01	0.05	0.02 0.09	to	1.21	0.38 to 2.31
Central Europe										
Albania	0.57	0.19 0.89	to	13.27	4.76 21.07	to	0.64	0.22 1.08	to	14.49 5.22 to 25.57
Bosnia and Herzegovina	0.51	0.08 0.84	to	12.61	2.18 20.52	to	0.89	0.17 1.55	to	20.73 4.23 to 36.47
Bulgaria	0.80	0.14 1.30	to	20.83	3.97 33.45	to	1.26	0.31 2.08	to	31.26 8.25 to 51.38
Croatia	0.25	0.05 0.45	to	5.67	1.06 10.16	to	0.29	0.05 0.56	to	6.30 1.10 to 12.24
Czechia	1.32	0.24 2.15	to	31.05	6.00 50.16	to	0.88	0.18 1.50	to	19.66 4.42 to 33.46
Hungary	1.16	0.19 1.88	to	26.55	4.87 42.67	to	1.35	0.30 2.24	to	31.75 7.67 to 52.15
Montenegro	0.74	0.20 1.21	to	17.79	4.73 28.49	to	0.91	0.24 1.50	to	21.02 5.72 to 34.12
North Macedonia	0.56	0.10	to	14.01	2.67	to	0.90	0.18	to	21.02 4.73 to 36.61

		0.93			22.89			1.58			
Poland	0.51	0.07	to	11.71	1.55	to	0.77	0.12	to	17.37	2.69 to 30.06
		0.87			20.04			1.34			
Romania	0.42	0.06	to	11.10	1.70	to	1.04	0.27	to	25.95	7.15 to 41.90
		0.71			18.51			1.71			
Serbia	0.69	0.10	to	17.17	2.77	to	0.80	0.11	to	18.95	2.90 to 33.91
		1.20			29.55			1.42			
Slovakia	0.88	0.15	to	21.98	3.86	to	1.29	0.31	to	30.15	7.29 to 50.53
		1.46			35.92			2.18			
Slovenia	1.37	0.45	to	30.82	10.64	to	1.30	0.44	to	27.56	9.68 to 45.98
		2.24			50.38			2.13			
Eastern Europe											
Belarus	1.04	0.32	to	26.44	8.46	to	0.91	0.26	to	21.58	6.75 to 35.55
		1.56			39.66			1.50			
Estonia	1.49	0.56	to	35.41	13.43	to	1.42	0.53	to	30.49	11.07 to
		2.53			60.69			2.46			54.30
Latvia	1.48	0.54	to	35.91	12.49	to	1.43	0.54	to	31.61	11.33 to
		2.64			65.80			2.58			57.69

Lithuania	1.38	0.51 2.49	to	33.61	11.95 61.53	to	1.41	0.48 2.53	to	31.56	10.86 57.76	to
Republic of Moldova	1.03	0.30 1.56	to	27.28	8.05 41.15	to	0.92	0.24 1.50	to	23.52	6.10 to 38.03	
Russian Federation	1.46	0.51 2.73	to	35.90	12.20 68.94	to	1.07	0.33 1.66	to	24.04	7.50 to 37.48	
Ukraine	0.51	0.06 0.88	to	13.58	1.61 23.29	to	0.58	0.07 1.00	to	15.63	2.08 to 26.94	
Western Europe												
Cyprus	0.58	0.12 0.94	to	12.04	2.67 19.08	to	0.60	0.12 0.99	to	12.05	2.45 to 19.86	
Greece	0.55	0.09 0.90	to	11.65	2.09 18.82	to	0.63	0.12 1.02	to	13.77	2.98 to 21.77	
Israel	0.70	0.09 1.19	to	14.79	2.15 24.49	to	0.61	0.09 1.00	to	13.03	2.22 to 21.14	

DALYs, disability-adjusted life years; DHPM-CRC, colorectal cancer attributable to diet high in processed meat; AAPC, average annual percent change; ASRs, age-standardized rates; ASMR, age-standardized mortality rate; ASDALR, age-standardized disability-adjusted life years rate; "B&R", the Belt and Road Initiative.

Supplementary Table 2 The age-standardized rates of mortality and disability-adjusted life years due to diet high in processed meat for 1990-2019 and 2010-2019 in member countries of the Belt and Road Initiative countries

	Mortality 1990-2019		Mortality 2010-2019		YLD1990-2019		YLD2010-2019		YLLs1990-2019		YLLs2010-2019		DALY 1990-2019		DALY 2010-2019	
	AAPC	P	AAPC	P	AAPC	P	AAPC	P	AAPC	P	AAPC	P	AAPC	P	AAPC	P
Regions/Countries	95%CI	value	95%CI	value	95%CI	value	95%CI	value	95%CI	value	95%CI	value	95%CI	value	95%CI	value
Global	-1.33(-1.57,-1.08)	<0.001	-1.08(-1.20,-0.95)	<0.001	-1.23(-1.43,-1.03)	<0.001	-1.06(-1.16,-0.96)	<0.001	-0.67(-0.84,-0.50)	<0.001	0.01(-0.11,0.13)	0.8	-1.25(-1.46,-1.05)	<0.001	-1.11(-1.21,-1.01)	<0.001
SDI Regions																
High SDI	-1.19(-1.54,-0.83)	<0.001	-1.04(-1.19,-0.88)	<0.001	-1.15(-1.43,-0.88)	<0.001	-0.96(-1.09,-0.84)	<0.001	-0.62(-0.82,-0.41)	<0.001	0.27(0.09,0.45)	0.005	-1.19(-1.47,-0.91)	<0.001	-1.03(-1.16,-0.91)	<0.001
High-middle SDI	-1.36(-1.55,-1.16)	<0.001	-0.88(-1.02,-0.73)	<0.001	-1.36(-1.58,-1.13)	<0.001	-1.08(-1.23,-0.93)	<0.001	0.06(-0.06,0.17)	0.297	0.62(0.52,0.71)	<0.001	-1.41(-1.64,-1.18)	<0.001	-1.14(-1.30,-0.99)	<0.001

Middle SDI	1.33(1.2 0,1.46)	< 0.0 01	2.47(2.3 1,2.63)	< 0.0 01)	1.46(1. 30,1.62	< 0.0 01)	2.53(2. 35,2.71	< 0.0 01)	3.50(3. 27,3.74	< 0.0 01)	5.09(4. 74,5.43	< 0.0 01	1.40(1.2 3,1.56)	< 0.0 01)	2.47(2. 30,2.65	< 0.001
Low-middle SDI	2.15(1.9 7,2.33)	< 0.0 01	1.79(1.7 1,1.86)	< 0.0 01)	2.08(1. 93,2.23	< 0.0 01)	1.80(1. 72,1.89	< 0.0 01)	3.47(3. 25,3.69	< 0.0 01)	2.71(2. 52,2.90	< 0.0 01	2.05(1.9 0,2.21)	< 0.0 01)	1.79(1. 71,1.87	< 0.001
Low SDI	1.09(1.0 2,1.16)	< 0.0 01	0.89(0.8 4,0.94)	< 0.0 01)	1.17(1. 09,1.24	< 0.0 01)	0.85(0. 80,0.90	< 0.0 01)	1.47(1. 34,1.60	< 0.0 01)	1.08(1. 00,1.15	< 0.0 01	1.16(1.0 8,1.24)	< 0.0 01)	0.85(0. 79,0.90	< 0.001
East Asia																
China	3.47(3.1 5, 3.78)	< 0.0 01	1.33(1.0 7,1.59)	< 0.0 01)	7.35(6. 79,7.92	< 0.0 01)	4.16(3. 77,4.55	< 0.0 01)	3.55(3. 22,3.89	< 0.0 01)	3.55(3. 22,3.89	< 0.0 01	3.66(3.3 2,4.00)	< 0.0 01)	1.67(1. 43,1.90	< 0.001
Central Asia																
Armenia	0.60(0.3 7, 0.82)	< 0.0 01	0.74(0.4 7,1.00)	< 0.0 01)	1.47(1. 25,1.70	< 0.0 01)	1.99(1. 58,2.41	< 0.0 01 19)	-0.03(- 0.25,0.	0.7 87	-0.03(- 0.25,0.	0.7 87	0.01(-0. 22,0.23)	0.9 63	0.20(-0 .25,0.6	0.335 6)
Azerbaijan	1.67(0.9	<	0.66(0.0	<	2.03(1.	<	2.08(1.	<	0.94(0.	0.0	0.94(0.	0.0	0.96(0.2	0.0	0.23(-0	0.181

	8, 2.36)	0.0	4,1.28)	0.0	30,2.77	0.0	61,2.56	0.0	26,1.63	08	26,1.63	08	8,1.65)	07	.13,0.5	
		01		01	)	01	)	01	)		)				9)	
Georgia	1.84(1.1	<	1.44(1.1	<	1.60(1.	<	2.05(1.	<	1.50(0.	<	1.50(0.	<	1.50(0.8	<	1.20(0.	<
	9, 2.50)	0.0	1,1.77)	0.0	10,2.10	0.0	57,2.52	0.0	86,2.15	0.0	86,2.15	0.0	6,2.15)	0.0	84,1.56	0.001
		01		01	)	01	)	01	)	01	)	01		01)	
Kazakhstan	-0.17(-0.	0.1	-0.98(-1.	<	0.73(0.	<	1.57(1.	<	-0.61(-	<	-0.61(-	<	-0.58(-0	<	-1.11(-	<
	40, 0.07)	58	30,-0.66)	0.0	37,1.09	0.0	37,1.77	0.0	0.81,-0.	0.0	0.81,-0.	0.0	.79,-0.3	0.0	1.36,-0.	0.001
				01	)	01	)	01	40)	01	40)	01	7)	01	85)	
Kyrgyzstan	-1.32(-1.	<	-0.20(-0.	<	-1.05(-	<	0.87(0.	<	-2.07(-	<	-2.07(-	<	-2.05(-2	<	-0.67(-	0.001
	63 ,	0.0	51,0.12)	0.0	1.44,-0.	0.0	66,1.07	0.0	2.39,-1.	0.0	2.39,-1.	0.0	.37,-1.7	0.0	0.97,-0.	
	-1.00)	01		01	66)	01	)	01	76)	01	76)	01	3)	01	38)	
Mongolia	-0.23(-0.	0.0	1.39(1.0	<	0.41(0.	0.0	2.39(1.	<	-0.55(-	<	-0.55(-	<	-0.53(-0	<	1.31(0.	<
	45 ,	39	2,1.76)	0.0	15,0.68	03	85,2.93	0.0	0.79,-0.	0.0	0.79,-0.	0.0	.78,-0.2	0.0	99,1.63	0.001
	-0.01)			01	)		)	01	30)	01	30)	01	8)	01)	
Tajikistan	0.78(0.1	0.0	1.74(1.0	0.0	0.33(-0	0.2	1.45(1.	<	-0.34(-	0.2	-0.34(-	0.2	-0.33(-0	0.2	0.80(0.	<
	8, 1.39)	13	5,2.44)	45	.24,0.9	47	10,1.80	0.0	0.93,0.	43	0.93,0.	43	.92,0.26	58	53,1.06	0.001
					0)		)	01	25)		25)))	
Turkmenista	-0.07(-0.	0.7	3.04(2.5	0.0	0.25(-0	0.4	4.64(4.	<	-0.70(-	0.0	-0.70(-	0.0	-0.68(-1	0.0	2.93(2.	<

n	64, 0.49)	95	1,3.58)	63	.41,0.9	49	31,4.96	0.0	1.37,-0.	42	1.37,-0.	42	.35,-0.0	48	26,3.61	0.001
					1)		)	01	03)		03)		1))	
Uzbekistan	1.15(0.9	<	1.75(0.9	0.0	0.75(0.	<	3.16(2.	<	-0.10(-	0.4	-0.10(-	0.4	-0.08(-0	0.5	2.23(1.	<
	4, 1.36)	0.0	1,2.59)	76	45,1.05	0.0	73,3.59	0.0	0.38,0.	90	0.38,0.	90	.37,0.21	68	64,2.82	0.001
		01		)	01	)	01	19)		19)))		
South Asia																
Bangladesh	0.69(0.5	<	1.39(0.3	<	1.65(1.	<	2.66(2.	<	0.47(0.	<	0.47(0.	<	0.49(0.3	<	1.20(0.	0.003
	5, 0.83)	0.0	7,2.41)	0.0	47,1.82	0.0	24,3.08	0.0	36,0.58	0.0	36,0.58	0.0	8,0.60)	0.0	53,1.88	
		01		01	)	01	)	01	)	01	)	01		01)	
Bhutan	1.98(1.9	<	1.81(1.7	<	2.71(2.	<	2.80(2.	<	1.55(1.	<	1.55(1.	<	1.57(1.5	<	1.58(1.	<
	4, 2.01)	0.0	4,1.88)	0.0	59,2.82	0.0	55,3.05	0.0	51,1.59	0.0	51,1.59	0.0	3,1.61)	0.0	52,1.64	0.001
		01		01	)	01	)	01	)	01	)	01		01)	
India	2.16(2.0	<	3.06(2.5	<	2.71(2.	<	3.56(3.	<	2.11(1.	<	2.11(1.	<	2.12(1.9	<	2.90(2.	<
	4, 2.29)	0.0	3,3.60)	0.0	58,2.84	0.0	23,3.88	0.0	98,2.23	0.0	98,2.23	0.0	9,2.25)	0.0	46,3.36	0.001
		01		01	)	01	)	01	)	01	)	01		01)	
Nepal	2.03(1.8	<	2.78(2.4	<	2.30(2.	<	3.61(3.	<	1.63(1.	<	1.63(1.	<	1.64(1.3	<	2.56(2.	<
	1, 2.24)	0.0	4,3.12)	0.0	02,2.58	0.0	19,4.04	0.0	37,1.88	0.0	37,1.88	0.0	9,1.89)	0.0	24,2.89	0.001
		01		01	)	01	)	01	)	01	)	01		01)	

Pakistan	1.49(1.2 3, 1.76)	< 0.0	0.65(0.5 4,0.77)	< 0.0	1.93(1. 76,2.11	< 0.0	1.56(1. 16,1.96	< 0.0	1.49(1. 20,1.79	< 0.0	1.49(1. 20,1.79	< 0.0	1.50(1.2 1,1.80)	< 0.0	0.63(0. 51,0.74	< 0.001
		01		01)		01)		01)		01)		01		01)		
Southeast Asia																
Cambodia	2.16(2.0 8, 2.25)	< 0.0	1.94(1.8 7,2.01)	< 0.0	3.09(2. 92,3.26	< 0.0	3.35(3. 07,3.63	< 0.0	1.91(1. 84,1.99	< 0.0	1.91(1. 84,1.99	< 0.0	1.93(1.8 6,2.00)	< 0.0	1.78(1. 74,1.82	< 0.001
		01		01)		01)		01)		01)		01		01)		
Indonesia	2.78(2.7 2, 2.84)	< 0.0	2.51(2.3 4,2.68)	< 0.0	3.65(3. 49,3.82	< 0.0	3.76(3. 50,4.01	< 0.0	2.54(2. 48,2.59	< 0.0	2.54(2. 48,2.59	< 0.0	2.55(2.4 9,2.61)	< 0.0	2.25(2. 11,2.39	< 0.001
		01		01)		01)		01)		01)		01		01)		
Lao	1.33(1.2 7, 1.39)	< 0.0	1.93(1.8 0,2.07)	< 0.0	2.09(1. 91,2.27	< 0.0	3.17(2. 87,3.47	< 0.0	1.06(1. 01,1.11	< 0.0	1.06(1. 01,1.11	< 0.0	1.07(1.0 2,1.12)	< 0.0	1.64(1. 51,1.77	< 0.001
		01		01)		01)		01)		01)		01		01)		
Malaysia	1.34(1.1 5, 1.53)	< 0.0	3.13(2.3 9,3.88)	< 0.0	2.89(2. 66,3.13	< 0.0	5.36(4. 70,6.01	< 0.0	1.37(1. 14,1.61	< 0.0	1.37(1. 14,1.61	< 0.0	1.41(1.1 7,1.65)	< 0.0	3.58(3. 02,4.15	< 0.001
		01		01)		01)		01)		01)		01		01)		
Maldives	-0.23(-0. 0.0	<	1.14(0.8 <	<	1.94(1. <	<	3.10(2. <	<	-0.85(- <	<	-0.85(- <	<	-0.78(-1 <	<	1.02(0. <	<

e Asia																
pacific																
Brunei	0.94(0.6	<	-0.37(-0.	<	1.60(1.	<	0.70(0.	<	0.61(0.	<	0.61(0.	<	0.64(0.3	<	-0.01(-	0.916
	3, 1.24)	0.0	72,-0.01)	0.0	36,1.84	0.0	52,0.87	0.0	30,0.92	0.0	30,0.92	0.0	4,0.95)	0.0	0.27,0.	
		01		01	)	01	)	01	)	01	)	01		01	24)	
Singapore	-0.61(-0.	<	-0.95(-1.	0.0	1.59(1.	<	0.41(-0	0.0	-0.84(-	<	-0.84(-	<	-0.71(-0	<	-0.94(-	<
	70 ,	0.0	24,-0.66)	19	45,1.73	0.0	.04,0.8	68	0.93,-0.	0.0	0.93,-0.	0.0	.80,-0.6	0.0	1.24,-0.	0.001
	-0.53)	01		)	01	5)		75)	01	75)	01	1)	01	64)		
North Africa																
and Middle																
East																
Afghanistan	0.37(-0.0	0.0	0(0,0)	<	0.20(-0	0.3	3.30(1.	0.0	0.38(0.	0.0	0.38(0.	0.0	0.38(0.0	0.0	1.10(0.	<
	1, 0.75)	55		0.0	.27,0.6	88	64,4.99	02	07,0.68	17	07,0.68	17	8,0.69)	15	90,1.30	0.001
				01	6)))))	
Bahrain	-0.43(-0.	0.0	-1.55(-2.	<	1.41(1.	<	1.13(-0	0.0	-0.86(-	<	-0.86(-	<	-0.81(-1	<	-1.32(-	0.012
	75 ,	09	88,-0.21)	0.0	18,1.64	0.0	.10,2.3	68	1.13,-0.	0.0	1.13,-0.	0.0	.09,-0.5	0.0	2.25,-0.	
	-0.12)			01	)	01	8)		58)	01	58)	01	4)	01	38)	
Egypt	2.57(2.4	<	2.23(1.7	<	3.62(3.	<	4.46(3.	<	2.58(2.	<	2.58(2.	<	2.60(2.4	<	2.46(2.	<

	6, 2.68)	0.0	3,2.73)	0.0	44,3.81	0.0	64,5.29	0.0	45,2.72	0.0	45,2.72	0.0	6,2.73)	0.0	01,2.93	0.001
		01		01)		01)		01)		01)		01)		01)		
Iran	1.26(1.1	<	1.43(1.1	<	2.13(1.	<	3.31(3.	<	1.11(0.	<	1.11(0.	<	1.14(0.9	<	1.30(1.	<
	2, 1.41)	0.0	7,1.68)	0.0	98,2.29	0.0	12,3.49	0.0	96,1.27	0.0	96,1.27	0.0	9,1.29)	0.0	05,1.54	0.001
		01		01)		01)		01)		01)		01)		01)		
Iraq	0.79(0.4	<	1.62(1.4	<	1.74(1.	<	3.45(3.	<	0.72(0.	<	0.72(0.	<	0.74(0.3	<	1.66(1.	<
	4, 1.15)	0.0	0,1.83)	0.0	22,2.25	0.0	18,3.71	0.0	37,1.06	0.0	37,1.06	0.0	9,1.09)	0.0	34,1.98	0.001
		01		01)		01)		01)		01)		01)		01)		
Jordan	0.72(0.5	<	-0.42(-0.	<	2.21(2.	<	1.67(1.	<	0.37(0.	<	0.37(0.	<	0.41(0.2	<	-0.52(-	<
	8, 0.86)	0.0	59,-0.25)	0.0	05,2.37	0.0	34,2.00	0.0	25,0.50	0.0	25,0.50	0.0	9,0.53)	0.0	0.68,-0.	0.001
		01		01)		01)		01)		01)		01)		01 36)		
Kuwait	2.31(1.6	<	-0.66(-1.	<	3.40(2.	<	1.85(1.	<	1.90(1.	<	1.90(1.	<	1.95(1.3	<	-0.95(-	0.007
	8, 2.93)	0.0	18,-0.14)	0.0	99,3.82	0.0	40,2.30	0.0	24,2.57	0.0	24,2.57	0.0	0,2.61)	0.0	1.55,-0.	
		01		01)		01)		01)		01)		01)		01 34)		
Lebanon	1.46(1.2	<	-0.02(-0.	<	3.55(3.	<	2.07(1.	<	1.28(1.	<	1.28(1.	<	1.34(1.1	<	0.24(-0	0.130
	9, 1.63)	0.0	35,0.31)	0.0	31,3.78	0.0	3,2.84)	0.0	12,1.44	0.0	12,1.44	0.0	8,1.50)	0.0	.09,0.5	
		01		01)		01)		01)		01)		01)		01 7)		
Oman	1.93(1.6	<	-1.19(-1.	<	2.76(2.	<	-0.68(-	0.0	1.38(0.	<	1.38(0.	<	1.42(0.9	<	-2.50(-	<

	2, 2.24)	0.0	91,-0.46)	0.0	36,3.15	0.0	1.05,-0.03	95,1.81	0.0	95,1.81	0.0	9,1.86)	0.0	2.84,-2.001		
		01		01	)	01	30)	)	01	)	01		01	16)		
Palestine	1.07(0.8	<	2.75(2.1	<	1.38(0.	<	4.00(3.	<	0.82(0.	<	0.82(0.	<	0.84(0.5	<	2.53(2.	<
	0, 1.34)	0.0	3,3.37)	0.0	94,1.83	0.0	69,4.32	0.0	55,1.09	0.0	55,1.09	0.0	7,1.11)	0.0	01,3.05	0.001
		01		01	)	01	)	01	)	01	)	01		01)	
Qatar	1.43(1.0	<	-1.58(-1.	0.0	3.31(2.	<	0.03(-0	0.8	0.82(0.	<	0.82(0.	<	0.89(0.5	<	-2.35(-	<
	6, 1.79)	0.0	92,-1.24)	01	88,3.74	0.0	.31,0.3	36	47,1.18	0.0	47,1.18	0.0	3,1.25)	0.0	2.53,-2.	0.001
		01		)	01	8)	)	01	)	01	)	01		01	17)	
Saudi	1.82(1.6	<	0.57(0.3	0.0	4.30(4.	<	3.95(3.	<	2.00(1.	<	2.00(1.	<	2.05(1.9	<	0.93(0.	<
Arabia	4, 2.00)	0.0	9,0.74)	14	16,4.45	0.0	70,4.20	0.0	86,2.14	0.0	86,2.14	0.0	2,2.19)	0.0	75,1.12	0.001
		01		)	01	)	01	)	01	)	01	)	01		01)
Syrian Arab	0.30(0.0	0.0	-0.78(-0.	0.0	1.28(1.	<	0.38(0.	0.0	-0.10(-	0.4	-0.10(-	0.4	-0.07(-0	0.5	-0.58(-	<
Republic	8, 0.53)	11	96,-0.60)	38	06,1.50	0.0	15,0.61	05	0.34,0.	16	0.34,0.	16	.31,0.17	75	0.81,-0.	0.001
				)	01	)	15)	15)	)	35)	35)	)	35)	35)	35)	
Turkey	1.08(0.4	0.0	1.35(0.9	0.0	3.19(2.	<	3.81(3.	<	0.69(0.	0.0	0.69(0.	0.0	0.74(0.1	0.0	1.44(1.	<
	4, 1.72)	02	6,1.74)	50	48,3.90	0.0	57,4.04	0.0	05,1.32	35	05,1.32	35	1,1.38)	24	12,1.75	0.001
				)	01	)	01))))		
United Arab	-1.46(-2.	<	-3.68(-4.	0.0	-0.88(-	<	-0.74(-	0.0	-1.74(-	<	-1.74(-	<	-1.73(-2	<	-3.56(-	<

Emirates	00	,	0.0	59,-2.76)	74	1.24,-0.	0.0	1.3,-0.1	17	2.24,-1.	0.0	2.24,-1.	0.0	.23,-1.2	0.0	4.47,-2.	0.001
			-0.92)	01		52)	01	7)		24)	01	24)	01	2)	01	64)	
Yemen	1.16(0.9	<	-0.61(-1.	0.8	1.24(1.	<	-0.22(-	0.3	1.09(0.	<	1.09(0.	<	1.09(0.9	<	-0.57(-	0.019	
	8, 1.33)	0.0	11,-0.11)	68	08,1.40	0.0	0.79,0.	90	91,1.26	0.0	91,1.26	0.0	2,1.27)	0.0	1.02,-0.		
		01	)		)	01	34)		)	01	)	01		01	12)	
Central																	
Europe																	
Albania	0.82(0.5	<	1.29(1.0	<	2.72(2.	<	2.88(2.	<	0.70(0.	<	0.70(0.	<	0.75(0.4	<	1.17(0.	<	
	5, 1.08)	0.0	5,1.53)	0.0	45,2.99	0.0	52,3.24	0.0	43,0.98	0.0	43,0.98	0.0	8,1.02)	0.0	94,1.39	0.001	
		01	)	01	)	01	)	01	)	01	)	01	)	01)		
Bosnia and	2.43(2.0	<	0.72(0.5	<	3.56(3.	<	1.59(1.	<	2.10(1.	<	2.10(1.	<	2.14(1.8	<	0.59(0.	<	
Herzegovina	8, 2.77)	0.0	0,0.94)	0.0	19,3.95	0.0	32,1.85	0.0	79,2.41	0.0	79,2.41	0.0	3,2.45)	0.0	36,0.81	0.001	
		01	)	01	)	01	)	01	)	01	)	01	)	01)		
Bulgaria	3.30(2.5	<	0.86(0.5	<	4.04(3.	<	2.60(2.	<	3.05(2.	<	3.05(2.	<	3.09(2.3	<	0.93(0.	<	
	7, 4.03)	0.0	9,1.13)	0.0	38,4.71	0.0	41,2.80	0.0	34,3.77	0.0	34,3.77	0.0	7,3.80)	0.0	62,1.23	0.001	
		01	)	01	)	01	)	01	)	01	)	01	)	01)		
Croatia	0.99(0.6	<	0.45(-0.1	<	2.26(1.	<	2.36(1.	<	0.61(0.	<	0.61(0.	<	0.67(0.3	<	0.46(-0	0.097	
	8, 1.30)	0.0	2,1.02)	0.0	93,2.59	0.0	83,2.88	0.0	33,0.90	0.0	33,0.90	0.0	9,0.96)	0.0	.10,1.0		

		01		01)		01)		01)		01)		01		01 2)		
Czechia	-1.49(-1.69, -1.30)	< 0.01	-1.96(-2.80, -1.12)	< 0.01	-0.17(-0.42, 0.08)	0.179	-1.05(-2.05, -0.05)	0.043	-1.78(-1.97, -1.60)	< 0.01	-1.78(-1.97, -1.60)	< 0.01	-1.72(-1.91, -1.54)	< 0.01	-2.19(-3.07, -1.30)	< 0.001
Hungary	0.70(0.3, 0.87)	< 0.01	-0.54(-0.93, -0.15)	< 0.01	2.05(1.82, 2.27)	0.000	0.90(0.54, 1.27)	0.000	0.78(0.58, 0.98)	< 0.01	0.78(0.58, 0.98)	< 0.01	0.82(0.62, 1.03)	< 0.01	-0.57(-0.94, -0.20)	0.007
Montenegro	1.14(0.9, 1.28)	< 0.01	0.23(-0.2, 0.49)	< 0.01	1.94(1.73, 2.15)	0.000	1.52(1.17, 1.86)	0.000	0.88(0.72, 1.04)	< 0.01	0.88(0.72, 1.04)	< 0.01	0.91(0.75, 1.07)	< 0.01	0.03(-0.16, 0.2)	0.744
Macedonia	1.93(1.7, 2.19)	< 0.01	0.11(-0.1, 0.23)	< 0.01	2.96(2.74, 3.18)	0.000	1.29(0.81, 1.77)	0.000	1.57(1.34, 1.80)	< 0.01	1.57(1.34, 1.80)	< 0.01	1.61(1.38, 1.84)	< 0.01	0.05(-0.09, 0.2)	0.398
Poland	1.67(1.35, 1.99)	< 0.01	-0.37(-0.64, -0.09)	0.001	3.10(2.76, 3.43)	0.000	0.79(0.48, 1.11)	0.000	1.65(1.31, 1.98)	< 0.01	1.65(1.31, 1.98)	< 0.01	1.68(1.35, 2.02)	< 0.01	-0.57(-0.87, -0.26)	0.003
Romania	3.56(3.2, 3.82)	< 0.01	1.91(1.4, 2.40)	0.006	4.67(4.41, 4.92)	0.000	3.02(2.79, 3.25)	0.000	3.27(3.00, 3.54)	< 0.01	3.27(3.00, 3.54)	< 0.01	3.32(3.05, 3.59)	< 0.01	1.75(1.25, 2.25)	< 0.001

	01	)	01	)	01	)	01	)	01	)	01	)	01)		
Serbia	0.73(0.6	<	0.21(-0.0	0.0	2.26(2.	<	1.62(1.	<	0.41(0.	<	0.41(0.	<	0.47(0.3	<	0.08(-0	0.425
	0, 0.87)	0.0	3,0.45)	15	09,2.42	0.0	31,1.93	0.0	30,0.52	0.0	30,0.52	0.0	6,0.58)	0.0	.14,0.3	
	01	)	01	)	01	)	01	)	01	)	01	)	01	)	01)
Slovakia	1.62(1.4	<	0.42(-0.0	0.0	2.94(2.	<	1.94(1.	<	1.35(1.	<	1.35(1.	<	1.41(1.2	<	0.28(-0	0.178
	0, 1.84)	0.0	8,0.91)	20	72,3.16	0.0	54,2.34	0.0	15,1.55	0.0	15,1.55	0.0	1,1.62)	0.0	.16,0.7	
	01	)	01	)	01	)	01	)	01	)	01	)	01	)	01)
Slovenia	-0.36(-0.	0.0	-2.26(-3.	0.0	1.35(1.	<	-0.47(-	0.2	-0.68(-	0.0	-0.68(-	0.0	-0.60(-0	0.0	-2.38(-	<
	74, 0.02)	62	13,-1.37)	23	05,1.65	0.0	1.34,0.	58	1.07,-0.	01	1.07,-0.	01	.99,-0.2	03	3.31,-1.	0.001
					)	01	42)		29)		29)		2)		44)	
Eastern																
Europe																
Belarus	-1.26(-1.	<	-0.13(-0.	<	0.43(0.	0.0	3.21(2.	<	-1.65(-	<	-1.65(-	<	-1.59(-1	<	-0.47(-	0.228
	58 ,	0.0	78,0.54)	0.0	06,0.80	23	58,3.84	0.0	1.98,-1.	0.0	1.98,-1.	0.0	.92,-1.2	0.0	1.29,0.	
	-0.94)	01		01	)		)	01	32)	01	32)	01	6)	01	36)	
Estonia	-0.09(-0.	0.4	-1.26(-1.	<	1.99(1.	<	1.00(0.	<	-0.75(-	<	-0.75(-	<	-0.64(-0	<	-1.10(-	<
	32, 0.15)	55	68,-0.84)	0.0	75,2.23	0.0	75,1.26	0.0	0.97,-0.	0.0	0.97,-0.	0.0	.86,-0.4	0.0	1.52,-0.	0.001
				01	)	01	)	01	53)	01	53)	01	2)	01	68)	

Cyprus	0.28(0.07, 0.48)	0.011	-0.61(-0.82,-0.4)	< 0.01	2.88(2.59,3.16)	< 0.01	0.58(0.44,0.72)	< 0.01	-0.01(-0.16,0.15)	0.902	-0.01(-0.16,0.15)	0.902	0.14(-0.02,0.31)	0.080	-0.46(-0.64,-0.29)	< 0.001
Greece	0.15(-0.01, 0.31)	0.072	0.31(0.061)	< 0.01	1.25(1.09,1.41)	< 0.01	0.64(0.15,1.14)	0.016	0.38(0.30,0.45)	< 0.01	0.38(0.30,0.45)	< 0.01	0.43(0.36,0.50)	< 0.01	0.28(0.05,0.50)	0.023
Israel	-1.18(-1.46, -0.90)	< 0.01	-0.65(-1.37,0.08)	< 0.01	0.55(0.25,0.85)	0.01	0.7(-0.17,1.59)	0.101	-1.17(-1.42,-0.92)	< 0.01	-1.17(-1.42,-0.92)	< 0.01	-1.09(-1.35,-0.84)	< 0.01	-0.60(-1.34,0.14)	0.099

YLDs, years lived with disability;YLLs, years of life lost; DALYs, disability-adjusted life years; DHPM-CRC, colorectal cancer attributable to diet high in processed meat; AAPC, average annual percent change; ASRs, age-standardized rates; ASMR, age-standardized mortality rate; ASDALR, age-standardized disability-adjusted life years rate; “B&R”, the Belt and Road Initiative.

Supplementary Table 3 The temporal trend in the age-standardized disability-adjusted life years rate of diet high in processed meat, stratified by gender for 1990-2019 in the Belt and Road Initiative countries

Gobal/Regions/Countries	Male		Female	
	AAPC 95%CI	P value	AAPC 95%CI	P value
Global	-0.76(-0.85,-0.66)	< 0.001	-1.42(-1.52,-1.32)	< 0.001
SDI Regions				
High SDI	-0.94(-1.06,-0.81)	< 0.001	-1.09(-1.22,-0.97)	< 0.001
High-middle SDI	-0.66(-0.83,-0.50)	< 0.001	-1.55(-1.69,-1.40)	< 0.001
Middle SDI	3.14(2.93,3.35)	< 0.001	1.84(1.69,1.99)	< 0.001
Low-middle SDI	1.99(1.91,2.06)	< 0.001	1.63(1.52,1.74)	< 0.001
Low SDI	0.83(0.80,0.86)	< 0.001	0.90(0.83,0.97)	< 0.001
East Asia				
China	4.49(4.08,4.90)	< 0.001	2.52(2.27,2.77)	< 0.001
Central Asia				
Armenia	-0.14(-0.46,0.18)	0.382	0.12(-0.05,0.29)	0.157
Azerbaijan	0.80(0.08,1.54)	0.032	1.11(0.46,1.76)	0.001
Georgia	1.68(1.04,2.33)	< 0.001	1.30(0.65,1.96)	< 0.001
Kazakhstan	-0.50(-0.74,-0.25)	< 0.001	-0.67(-0.85,-0.49)	< 0.001

Kyrgyzstan	-2.25(-2.62,-1.88)	< 0.001	-1.92(-2.22,-1.62)	< 0.001
Mongolia	-0.29(-0.55,-0.04)	0.025	-0.75(-0.99,-0.51)	< 0.001
Tajikistan	-0.38(-0.98,0.22)	0.201	-0.26(-0.85,0.34)	0.379
Turkmenistan	-0.61(-1.36,0.15)	0.113	-0.76(-1.37,-0.15)	0.017
Uzbekistan	-0.22(-0.54,0.09)	0.159	0.02(-0.24,0.29)	0.861
South Asia				
Bangladesh	0.20(0.06,0.34)	0.008	0.81(0.70,0.91)	< 0.001
Bhutan	1.81(1.72,1.90)	< 0.001	1.40(1.33,1.47)	< 0.001
India	2.26(2.15,2.36)	< 0.001	2.00(1.81,2.19)	< 0.001
Nepal	1.82(1.54,2.11)	< 0.001	1.44(1.22,1.66)	< 0.001
Pakistan	1.60(1.29,1.91)	< 0.001	1.41(1.13,1.69)	< 0.001
Southeast Asia				
Cambodia	2.26(2.17,2.35)	< 0.001	1.65(1.59,1.71)	< 0.001
Indonesia	3.10(3.02,3.17)	< 0.001	2.02(1.97,2.07)	< 0.001
Lao	1.32(1.28,1.35)	< 0.001	0.82(0.74,0.91)	< 0.001
Malaysia	1.63(1.38,1.88)	< 0.001	1.17(0.93,1.41)	< 0.001
Maldives	-0.32(-0.55,-0.09)	0.007	-1.41(-1.64,-1.17)	< 0.001
Burma	2.42(2.29,2.55)	< 0.001	1.44(1.28,1.59)	< 0.001

Philippines	1.85(1.53,2.18)	< 0.001	1.42(1.02,1.82)	< 0.001
Sri Lanka	1.69(1.53,1.86)	< 0.001	1.36(1.28,1.43)	< 0.001
Thailand	0.36(0.03,0.68)	0.033	0.60(0.38,0.83)	< 0.001
Viet Nam	3.96(3.75,4.18)	< 0.001	3.70(3.36,4.03)	< 0.001
High-income Asia pacific				
Brunei	0.90(0.49,1.32)	< 0.001	0.46(0.23,0.70)	< 0.001
Singapore	-0.90(-1.02,-0.79)	< 0.001	-0.52(-0.60,-0.43)	< 0.001
North Africa and Middle East				
Afghanistan	0.40(0.11,0.69)	0.009	0.46(0.13,0.79)	0.008
Bahrain	-1.00(-1.31,-0.69)	< 0.001	-0.55(-0.83,-0.26)	0.001
Egypt	2.62(2.46,2.78)	< 0.001	2.68(2.55,2.81)	< 0.001
Iran	1.32(1.12,1.52)	< 0.001	0.98(0.87,1.09)	< 0.001
Iraq	0.81(0.49,1.12)	< 0.001	0.66(0.27,1.05)	0.002
Jordan	0.92(0.73,1.12)	< 0.001	-0.08(-0.25,0.09)	0.354
Kuwait	2.83(2.24,3.41)	< 0.001	0.60(-0.24,1.44)	0.156
Lebanon	2.06(1.76,2.36)	< 0.001	0.72(0.61,0.83)	< 0.001
Oman	1.50(1.03,1.97)	< 0.001	1.45(1.08,1.82)	< 0.001
Palestine	1.00(0.74,1.25)	< 0.001	0.74(0.46,1.02)	< 0.001

Qatar	1.16(0.79,1.53)	< 0.001	1.29(0.90,1.68)	< 0.001
Saudi Arabia	2.14(2.02,2.26)	< 0.001	1.96(1.78,2.13)	< 0.001
Syrian Arab Republic	0.05(-0.19,0.29)	0.683	-0.14(-0.40,0.11)	0.255
Turkey	1.14(0.48,1.81)	0.001	0.28(-0.31,0.87)	0.337
United Arab Emirates	-1.79(-2.28,-1.29)	< 0.001	-1.85(-2.43,-1.27)	< 0.001
Yemen	1.12(0.96,1.29)	< 0.001	1.05(0.88,1.22)	< 0.001
Central Europe				
Albania	0.69(0.34,1.05)	< 0.001	0.76(0.52,0.99)	< 0.001
Bosnia and Herzegovina	2.87(2.44,3.29)	< 0.001	1.34(1.13,1.55)	< 0.001
Bulgaria	3.77(3.02,4.52)	< 0.001	2.34(1.67,3.01)	< 0.001
Croatia	0.93(0.71,1.15)	< 0.001	0.26(-0.12,0.63)	0.172
Czechia	-1.72(-1.94,-1.50)	< 0.001	-1.85(-2.00,-1.71)	< 0.001
Hungary	1.26(1.04,1.47)	< 0.001	0.28(0.07,0.49)	0.012
Montenegro	0.97(0.80,1.13)	< 0.001	0.79(0.60,0.98)	< 0.001
Macedonia	1.75(1.46,2.05)	< 0.001	1.43(1.24,1.62)	< 0.001
Poland	2.14(1.75,2.52)	< 0.001	1.16(0.86,1.45)	< 0.001
Romania	3.95(3.62,4.28)	< 0.001	2.54(2.32,2.75)	< 0.001
Serbia	0.91(0.78,1.03)	< 0.001	-0.03(-0.14,0.09)	0.654

Slovakia	1.65(1.42,1.87)	< 0.001	1.10(0.93,1.28)	< 0.001
Slovenia	-0.35(-0.79,0.08)	0.106	-1.15(-1.50,-0.79)	< 0.001
Eastern Europe				
Belarus	-1.22(-1.53,-0.91)	< 0.001	-1.91(-2.26,-1.55)	< 0.001
Estonia	-0.53(-0.83,-0.22)	0.002	-0.78(-0.96,-0.59)	< 0.001
Latvia	-0.37(-0.76,0.01)	0.059	-0.68(-0.96,-0.40)	< 0.001
Lithuania	0.15(-0.18,0.49)	0.350	-0.54(-0.77,-0.30)	< 0.001
Moldova	0.75(0.15,1.34)	0.015	-0.36(-0.92,0.19)	0.193
Russian Federation	-1.82(-2.28,-1.36)	< 0.001	-2.26(-2.66,-1.86)	< 0.001
Ukraine	0.40(-0.04,0.84)	0.076	-0.14(-0.50,0.22)	0.425
Western Europe				
Cyprus	0.55(0.34,0.76)	< 0.001	-0.29(-0.42,-0.16)	< 0.001
Greece	1.00(0.92,1.08)	< 0.001	-0.15(-0.24,-0.06)	0.002
Israel	-0.81(-1.06,-0.57)	< 0.001	-1.37(-1.64,-1.11)	< 0.001

DALYs, disability-adjusted life years; DHPM-CRC, colorectal cancer attributable to diet high in processed meat; AAPC, average annual percent change; ASRs, age-standardized rates; ASMR, age-standardized mortality rate; ASDALR, age-standardized disability-adjusted life years rate; "B&R", the Belt and Road Initiative.

Supplementary Table 4 The average annual percent change of disability-adjusted life years rates for diet high in processed meat, stratified by age for 1990-2019 in the Belt and Road Initiative countries

	DALYs in people aged 15-49 yr		DALYs in people aged 50-74 yr		DALYs in people aged > 75 yr	
Global	0.05(-0.04,0.14)	0.292	-1.26(-1.37,-1.15)	< 0.001	-1.13(-1.36,-0.89)	< 0.001
SDI Regions						
High SDI	0.02(-0.18,0.21)	0.874	-1.14(-1.24,-1.05)	< 0.001	-1.06(-1.33,-0.79)	< 0.001
High-middle SDI	-0.28(-0.52,-0.04)	0.026	-1.50(-1.72,-1.28)	< 0.001	-0.50(-0.70,-0.29)	< 0.001
Middle SDI	3.09(2.93,3.26)	< 0.001	2.64(2.45,2.83)	< 0.001	2.43(2.27,2.59)	< 0.001
Low-middle SDI	2.21(2.16,2.26)	< 0.001	1.89(1.81,1.97)	< 0.001	1.68(1.60,1.75)	< 0.001
Low SDI	0.89(0.84,0.95)	< 0.001	0.81(0.76,0.86)	< 0.001	0.78(0.72,0.84)	< 0.001
East Asia						

China	4.78(4.54,5.02)	< 0.001	3.72(3.32,4.11)	< 0.001	3.39(3.05,3.73)	< 0.001
Central Asia						
Armenia	-0.81(-1.04,-0.58)	< 0.001	-0.28(-0.43,-0.14)	< 0.001	2.31(2.02,2.60)	< 0.001
Azerbaijan	0.13(-0.49,0.76)	0.674	0.99(0.47,1.50)	< 0.001	3.88(3.15,4.63)	< 0.001
Georgia	0.83(0.33,1.33)	0.002	1.78(1.18,2.39)	< 0.001	2.73(1.94,3.51)	< 0.001
Kazakhstan	-1.22(-1.44,-1.00)	< 0.001	-0.83(-0.98,-0.67)	< 0.001	1.40(1.06,1.75)	< 0.001
Kyrgyzstan	-2.74(-3.03,-2.44)	< 0.001	-2.68(-2.96,-2.40)	< 0.001	1.21(0.82,1.61)	< 0.001
Mongolia	0.88(0.58,1.19)	< 0.001	-1.04(-1.30,-0.78)	< 0.001	0.37(0.18,0.55)	< 0.001
Tajikistan	-1.73(-2.19,-1.28)	< 0.001	-0.85(-1.36,-0.34)	0.002	4.50(3.94,5.06)	< 0.001
Turkmenistan	-0.74(-1.55,0.09)	0.079	-1.09(-1.74,-0.45)	0.002	1.83(1.59,2.08)	< 0.001

						0.001
Uzbekistan	-1.15(-1.66,-0.63)	< 0.001	-1.00(-1.37,-0.63)	< 0.001	4.48(4.13,4.83)	< 0.001
South Asia						
Bangladesh	0.92(0.74,1.09)	< 0.001	0.52(0.41,0.62)	< 0.001	1.00(0.77,1.23)	< 0.001
Bhutan	1.22(1.03,1.41)	< 0.001	1.54(1.51,1.56)	< 0.001	2.76(2.71,2.82)	< 0.001
India	2.37(2.24,2.49)	< 0.001	2.22(2.07,2.37)	< 0.001	2.12(1.95,2.28)	< 0.001
Nepal	0.92(0.59,1.26)	< 0.001	1.70(1.42,1.97)	< 0.001	2.81(2.67,2.95)	< 0.001
Pakistan	1.85(1.52,2.17)	< 0.001	1.36(1.06,1.67)	< 0.001	1.59(1.43,1.76)	< 0.001
Southeast Asia						
Cambodia	1.99(1.95,2.02)	< 0.001	1.78(1.71,1.85)	< 0.001	2.73(2.63,2.83)	< 0.001
Indonesia	2.97(2.90,3.04)	< 0.001	2.46(2.42,2.51)	< 0.001	3.11(3.06,3.16)	< 0.001

						0.001
Lao	1.06(0.98,1.15)	< 0.001	0.86(0.78,0.93)	< 0.001	1.87(1.80,1.93)	<
						0.001
Malaysia	1.88(1.55,2.22)	< 0.001	1.44(1.08,1.80)	< 0.001	1.41(1.13,1.69)	<
						0.001
Maldives	-0.32(-0.77,0.13)	0.152	-1.49(-1.69,-1.29)	< 0.001	0.86(0.73,0.99)	<
						0.001
Burma	2.09(1.86,2.32)	< 0.001	1.83(1.73,1.93)	< 0.001	2.66(2.54,2.79)	<
						0.001
Philippines	1.94(1.62,2.25)	< 0.001	1.83(1.48,2.17)	< 0.001	1.10(0.70,1.5)	<
						0.001
Sri Lanka	1.32(1.14,1.50)	< 0.001	1.61(1.50,1.71)	< 0.001	2.30(2.08,2.53)	<
						0.001
Thailand	1.50(0.93,2.08)	< 0.001	0.55(0.33,0.77)	< 0.001	0.54(0.34,0.75)	<
						0.001
Viet Nam	6.10(5.69,6.51)	< 0.001	3.53(3.31,3.76)	< 0.001	3.32(3.22,3.41)	<
						0.001
High-income	Asia					

pacific						
Brunei	1.02(0.64,1.41)	< 0.001	0.11(-0.21,0.43)	0.484	1.48(1.07,1.89)	< 0.001
Singapore	-0.71(-0.91,-0.52)	< 0.001	-0.68(-0.81,-0.56)	< 0.001	-0.25(-0.35,-0.14)	< 0.001
North Africa and Middle East						
Afghanistan	1.07(0.59,1.55)	< 0.001	0.27(0,0.53)	0.050	0.83(0.45,1.21)	< 0.001
Bahrain	0.51(0.01,1.02)	0.047	-2.02(-2.30,-1.75)	< 0.001	0.37(-0.03,0.79)	0.072
Egypt	2.23(1.88,2.58)	< 0.001	2.87(2.73,3.00)	< 0.001	2.68(2.53,2.83)	< 0.001
Iran	2.23(1.85,2.60)	< 0.001	0.86(0.76,0.95)	< 0.001	0.93(0.84,1.03)	< 0.001
Iraq	1.45(1.07,1.84)	< 0.001	0.55(0.20,0.90)	0.003	1.04(0.66,1.43)	< 0.001
Jordan	1.40(1.28,1.52)	< 0.001	0.19(-0.01,0.40)	0.062	1.52(1.3,1.73)	< 0.001

Kuwait	1.48(0.94,2.02)	< 0.001	1.42(0.61,2.23)	0.001	2.91(2.42,3.40)	< 0.001
Lebanon	1.12(0.89,1.35)	< 0.001	1.38(1.24,1.53)	< 0.001	1.89(1.61,2.18)	< 0.001
Oman	0.41(-0.05,0.88)	0.081	0.60(0.01,1.20)	0.046	2.94(2.67,3.22)	< 0.001
Palestine	0.57(0.32,0.83)	< 0.001	0.64(0.40,0.89)	< 0.001	1.54(1.31,1.77)	< 0.001
Qatar	-0.32(-0.64,0.01)	0.055	-0.80(-1.07,-0.54)	< 0.001	2.67(2.16,3.19)	< 0.001
Saudi Arabia	3.51(3.36,3.65)	< 0.001	1.92(1.77,2.08)	< 0.001	1.55(1.35,1.76)	< 0.001
Syrian Arab Republic	0.30(-0.19,0.79)	0.220	-0.09(-0.36,0.17)	0.466	0.86(0.61,1.10)	< 0.001
Turkey	0.50(-0.08,1.08)	0.087	0.78(0.13,1.44)	0.020	2.04(1.45,2.65)	< 0.001
United Arab Emirates	-0.62(-1.30,0.06)	0.073	-2.38(-2.73,-2.02)	< 0.001	-1.33(-1.92,-0.75)	< 0.001

Yemen	1.33(1.14,1.52)	< 0.001	0.98(0.83,1.13)	< 0.001	1.34(1.15,1.53)	< 0.001
Central Europe						
Albania	1.40(1.15,1.66)	< 0.001	0.72(0.44,1.00)	< 0.001	1.01(0.78,1.24)	< 0.001
Bosnia and Herzegovina	1.71(1.52,1.91)	< 0.001	2.29(1.95,2.63)	< 0.001	3.21(2.71,3.71)	< 0.001
Bulgaria	2.06(1.52,2.60)	< 0.001	3.47(2.71,4.25)	< 0.001	3.90(3.14,4.67)	< 0.001
Croatia	-0.05(-0.22,0.13)	0.601	0.67(0.43,0.91)	< 0.001	1.54(1.13,1.95)	< 0.001
Czechia	-2.09(-2.33,-1.85)	< 0.001	-1.58(-1.73,-1.44)	< 0.001	-1.04(-1.27,-0.81)	< 0.001
Hungary	-0.17(-0.50,0.17)	0.324	1.36(1.23,1.50)	< 0.001	0.36(0.20,0.52)	< 0.001
Montenegro	0.20(-0.11,0.52)	0.196	1.04(0.84,1.25)	< 0.001	1.87(1.61,2.14)	< 0.001
Macedonia	1.06(0.87,1.25)	< 0.001	1.67(1.42,1.92)	< 0.001	2.63(2.30,2.96)	< 0.001

Moldova	-0.64(-1.01,-0.26)	0.002	0.49(-0.04,1.02)	0.066	0.22(-0.46,0.91)	0.510
Russian Federation	-1.98(-2.59,-1.37)	< 0.001	-2.48(-3.05,-1.91)	< 0.001	-0.68(-1.17,-0.20)	0.008
Ukraine	-0.25(-0.99,0.49)	0.488	0.31(0.01,0.60)	0.043	0.12(-0.18,0.42)	0.430
Western Europe						
Cyprus	0.43(0.25,0.60)	< 0.001	-0.16(-0.30,-0.01)	0.038	0.97(0.66,1.28)	< 0.001
Greece	1.56(1.46,1.65)	< 0.001	0.68(0.61,0.75)	< 0.001	-0.24(-0.51,0.04)	0.085
Israel	-0.20(-0.44,0.03)	0.086	-1.39(-1.63,-1.15)	< 0.001	-0.90(-1.18,-0.61)	< 0.001

DALYs, disability-adjusted life years; DHPM-CRC, colorectal cancer attributable to diet high in processed meat; AAPC, average annual percent change; ASRs, age-standardized rates; ASMR, age-standardized mortality rate; ASDALR, age-standardized disability-adjusted life years rate; “B&R”, the Belt and Road Initiative.