

Non-Insulin dependent DM and Stroke Supplementary

Tables

Supplemental Table 1: Overall and gender stratified Non-Insulin dependent DM and Stroke-related mortality, among 55-85+ years old individuals in the United States from 1999 to 2022

Deaths			
Year	Men	Women	Overall
1999	2657	3599	6256
2000	2706	3971	6677
2001	2934	4030	6964
2002	3048	4140	7188
2003	3027	4125	7152
2004	3112	4276	7388
2005	3107	4183	7290
2006	3266	4017	7283
2007	3023	4189	7212
2008	3130	4026	7156
2009	3218	3946	7164
2010	3213	4034	7247
2011	3261	3842	7103
2012	3342	3992	7334
2013	3421	3893	7314

2014	3422	3797	7219
2015	3856	4300	8156
2016	4461	4709	9170
2017	4993	5113	10106
2018	5354	5400	10754
2019	5650	5699	11349
2020	7625	7360	14985
2021	7778	7343	15121
2022	7916	7497	15413
Total	97520	111481	209001

Supplemental Table 2: Non-Insulin dependent DM and Stroke-related deaths, stratified by Race among 55-85+ years old individuals in United States,1999 to 2020

Deaths						
Year	NH White	NH Black or African American	NH American Indian or Alaska Native	NH Asian or Pacific Islander	Hispanic Or Latino	Overall Population
1999	5110	682	28	131	295	58575867

2000	5354	834	35	114	331	59266437
2001	5522	853	47	140	381	60395586
2002	5660	935	45	156	381	62225539
2003	5674	867	57	144	395	63872474
2004	5821	910	44	155	442	65508623
2005	5606	961	47	199	465	67291295
2006	5489	1026	60	184	505	69094220
2007	5446	975	50	197	539	70954145
2008	5308	984	34	241	572	72934684
2009	5280	965	48	251	608	75028775
2010	5307	989	51	230	664	76750713
2011	5190	973	54	264	614	79456281
2012	5322	1008	53	266	669	81731558
2013	5204	1008	66	295	735	84020505
2014	4985	1018	63	363	772	86320792
2015	5580	1121	61	437	931	88638671
2016	6292	1243	60	490	1072	90707339
2017	6728	1498	116	546	1200	92854337
2018	7245	1540	102	632	1216	94703829
2019	7625	1550	116	712	1330	96506800
2020	9627	2286	150	986	1916	98063042
Total	129375	24226	1387	7133	16033	1694901512

NH=Non Hispanics

Supplemental Table 3: Non-Insulin dependent DM and Stroke-related deaths per 100,000 Stratified by Age groups in 55-85+ years old individuals the United States from 1999 to 2020

Deaths				
Years	55-64 years	65-74 years	75-84 years	85+ years
1999	376	1321	2632	1927
2000	482	1365	2760	2070
2001	475	1418	2878	2193
2002	484	1411	2966	2327
2003	571	1380	2947	2254
2004	575	1424	3081	2308
2005	625	1432	2902	2331
2006	605	1436	2966	2276
2007	662	1374	2822	2354
2008	671	1409	2721	2355
2009	691	1436	2656	2381
2010	693	1462	2636	2456
2011	711	1523	2484	2385
2012	684	1504	2498	2648
2013	740	1583	2515	2476
2014	744	1605	2457	2413
2015	874	1871	2728	2683
2016	940	2206	3090	2934
2017	1120	2402	3344	3240
2018	1245	2582	3620	3307
2019	1201	2832	3776	3540

2020	1747	3816	4960	4462
Total	16916	38792	65439	57320

Supplemental Table 4: Overall and Sex-Stratified of Non-Insulin dependent DM and Stroke-related Age-Adjusted Mortality Rates per 100,000 among 55-85+ years old individuals in the United States from 1999 to 2022

Age-Adjusted Mortality Rate (95% CI)			
Year	Men	Women	Overall
1999	12.0 (11.5 - 12.5)	9.9 (9.6 - 10.2)	10.8 (10.5 - 11.0)
2000	12.0 (11.5 - 12.4)	10.8 (10.5 - 11.2)	11.3 (11.1 - 11.6)
2001	12.8 (12.3 - 13.3)	10.8 (10.5 - 11.2)	11.7 (11.4 - 11.9)
2002	13.1 (12.7 - 13.6)	11.0 (10.7 - 11.4)	11.9 (11.6 - 12.1)
2003	12.6 (12.1 - 13.0)	10.8 (10.5 - 11.2)	11.6 (11.3 - 11.9)
2004	12.7 (12.3 - 13.2)	11.2 (10.8 - 11.5)	11.8 (11.6 - 12.1)
2005	12.3 (11.9 - 12.7)	10.8 (10.5 - 11.1)	11.4 (11.2 - 11.7)
2006	12.7 (12.3 - 13.2)	10.2 (9.9 - 10.6)	11.2 (11.0 - 11.5)

2007	11.4 (10.9 - 11.8)	10.5 (10.1 - 10.8)	10.9 (10.7 - 11.2)
2008	11.5 (11.1 - 11.9)	9.8 (9.5 - 10.2)	10.6 (10.4 - 10.9)
2009	11.6 (11.2 - 12.0)	9.5 (9.2 - 9.8)	10.4 (10.2 - 10.7)
2010	11.3 (10.9 - 11.7)	9.6 (9.3 - 9.9)	10.3 (10.1 - 10.6)
2011	11.1 (10.7 - 11.4)	8.9 (8.6 - 9.2)	9.9 (9.6 - 10.1)
2012	11.0 (10.6 - 11.4)	9.0 (8.7 - 9.3)	9.9 (9.7 - 10.1)
2013	10.9 (10.5 - 11.3)	8.7 (8.4 - 8.9)	9.6 (9.4 - 9.8)
2014	10.5 (10.2 - 10.9)	8.3 (8.0 - 8.6)	9.3 (9.1 - 9.5)
2015	11.5 (11.1 - 11.8)	9.2 (8.9 - 9.5)	10.2 (9.9 - 10.4)
2016	12.9 (12.5 - 13.3)	9.9 (9.6 - 10.2)	11.2 (11.0 - 11.4)
2017	13.9 (13.5 - 14.3)	10.4 (10.2 - 10.7)	12.0 (11.8 - 12.2)
2018	14.5 (14.1 - 14.9)	10.9 (10.6 - 11.1)	12.4 (12.2 - 12.6)
2019	14.9 (14.5 - 15.3)	11.2 (10.9 - 11.5)	12.8 (12.5 - 13.0)

2020	19.4 (18.9 - 19.8)	14.2 (13.8 - 14.5)	16.5 (16.2 - 16.7)
2021	20.2 (19.7 - 20.6)	14.7 (14.4 - 15.1)	17.1 (16.8 - 17.4)
2022	19.7 (19.3 - 20.2)	14.1 (13.8 - 14.4)	16.5 (16.3 - 16.8)

Supplemental Table 5: Non-Insulin dependent DM and Stroke-related Age-Adjusted Mortality Rates per 100,000, Stratified by Race among 55-85+ years old individuals in the United States from 1999 to 2020

Age-Adjusted Mortality Rate (95% CI)					
Year	NH American Indian or Alaska Native	NH Asian or Pacific Islander	NH White	NH Black or African American	Hispanic or Latino
1999	12.9 (8.4 - 18.9)	10.7 (8.8 - 12.6)	10.3 (10.0 - 10.6)	14.7 (13.6 - 15.8)	11.4 (10.0 - 12.7)
2000	15.2 (10.4 - 21.3)	9.0 (7.3 - 10.7)	10.7 (10.4 - 11.0)	17.7 (16.5 - 18.9)	12.3 (10.9 - 13.6)
2001	20.5 (14.9 - 27.5)	10.6 (8.8 - 12.4)	10.9 (10.6 - 11.2)	17.8 (16.6 - 19.0)	13.3 (12.0 - 14.7)
2002	20.0 (14.4 - 27.1)	11.0 (9.3 - 12.8)	11.0 (10.7 - 11.3)	19.3 (18.1 - 20.6)	12.9 (11.6 - 14.2)
2003	23.5 (17.6 - 30.8)	8.9 (7.4 - 10.4)	10.9 (10.7 - 11.2)	17.6 (16.5 - 18.8)	12.2 (11.0 - 13.5)
2004	18.2 (13.0 - 24.6)	9.5 (8.0 - 11.1)	11.1 (10.8 - 11.4)	18.2 (17.0 - 19.4)	13.2 (12.0 - 14.5)

2005	18.0 (12.9 - 24.3)	11.1 (9.6 - 12.7)	10.5 (10.3 - 10.8)	18.6 (17.4 - 19.7)	12.9 (11.7 - 14.1)
2006	23.3 (17.5 - 30.3)	9.7 (8.3 - 11.1)	10.2 (9.9 - 10.4)	19.5 (18.3 - 20.8)	13.4 (12.2 - 14.7)
2007	16.2 (11.8 - 21.6)	10.0 (8.6 - 11.4)	9.9 (9.7 - 10.2)	18.1 (16.9 - 19.2)	13.7 (12.5 - 14.8)
2008	11.8 (8.0 - 16.7)	11.5 (10.1 - 13.0)	9.5 (9.3 - 9.8)	17.5 (16.4 - 18.6)	13.9 (12.7 - 15.0)
2009	14.7 (10.6 - 19.9)	11.4 (10.0 - 12.8)	9.4 (9.1 - 9.6)	16.7 (15.6 - 17.8)	13.9 (12.8 - 15.0)
2010	15.7 (11.5 - 21.0)	10.0 (8.7 - 11.4)	9.3 (9.0 - 9.5)	16.8 (15.8 - 17.9)	14.4 (13.3 - 15.6)
2011	15.2 (11.3 - 20.1)	10.5 (9.2 - 11.8)	8.9 (8.7 - 9.1)	16.0 (15.0 - 17.1)	12.3 (11.3 - 13.3)
2012	14.7 (10.8 - 19.5)	9.9 (8.7 - 11.2)	8.8 (8.6 - 9.1)	15.8 (14.8 - 16.8)	13.1 (12.0 - 14.1)
2013	17.0 (13.0 - 21.9)	10.3 (9.1 - 11.4)	8.5 (8.3 - 8.8)	15.2 (14.2 - 16.2)	13.5 (12.5 - 14.5)
2014	16.7 (12.7 - 21.6)	11.5 (10.3 - 12.7)	8.1 (7.8 - 8.3)	14.8 (13.8 - 15.7)	13.1 (12.1 - 14.0)
2015	14.9 (11.3 - 19.3)	13.0 (11.7 - 14.2)	8.9 (8.7 - 9.1)	15.7 (14.7 - 16.6)	14.8 (13.8 - 15.7)
2016	13.8 (10.4 - 17.9)	13.9 (12.7 - 15.2)	9.8 (9.6 - 10.0)	17.0 (16.0 - 17.9)	16.2 (15.2 - 17.2)

2017	24.7 (20.0 - 29.3)	14.4 (13.2 - 15.6)	10.3 (10.1 - 10.6)	19.2 (18.2 - 20.2)	17.1 (16.1 - 18.1)
2018	20.6 (16.5 - 24.8)	15.7 (14.5 - 16.9)	10.9 (10.6 - 11.1)	19.2 (18.2 - 20.2)	16.5 (15.5 - 17.4)
2019	21.2 (17.2 - 25.2)	16.8 (15.6 - 18.1)	11.2 (11.0 - 11.5)	18.6 (17.7 - 19.6)	17.3 (16.3 - 18.3)
2020	25.9 (21.6 - 30.2)	22.1 (20.7 - 23.5)	14.0 (13.7 - 14.2)	26.6 (25.5 - 27.7)	23.7 (22.6 - 24.8)

AAMR=Age Adjusted Mortality rate, NH=Non Hispanic

Supplemental Table 6: Non-Insulin dependent DM and Stroke-related Age-Adjusted Mortality Rates per 100,000 Stratified by Urban-Rural Classification among older Adults in the United States from 1999 to 2020

Age-Adjusted Mortality Rate (95% CI)		
Year	Metropolitan	Nonmetropolitan
1999	9.9 (9.6 - 10.1)	14.3 (13.6 - 15.0)
2000	10.3 (10.0 - 10.6)	15.8 (15.0 - 16.5)
2001	10.5 (10.2 - 10.8)	16.6 (15.8 - 17.3)

2002	10.6 (10.3 - 10.9)	17.1 (16.3 - 17.8)
2003	10.4 (10.1 - 10.6)	16.8 (16.0 - 17.5)
2004	10.7 (10.4 - 10.9)	16.8 (16.1 - 17.6)
2005	10.3 (10.0 - 10.6)	16.4 (15.7 - 17.1)
2006	10.3 (10.0 - 10.6)	15.2 (14.5 - 16.0)
2007	9.9 (9.6 - 10.1)	15.5 (14.8 - 16.2)
2008	9.7 (9.5 - 10.0)	14.5 (13.8 - 15.1)
2009	9.6 (9.3 - 9.8)	13.9 (13.3 - 14.6)
2010	9.6 (9.3 - 9.8)	13.8 (13.2 - 14.5)

2011	9.1 (8.9 - 9.4)	13.2 (12.6 - 13.8)
2012	9.3 (9.0 - 9.5)	12.8 (12.1 - 13.4)
2013	9.2 (9.0 - 9.4)	11.6 (11.0 - 12.1)
2014	8.8 (8.6 - 9.0)	11.3 (10.7 - 11.9)
2015	9.7 (9.5 - 10.0)	12.4 (11.8 - 13.0)
2016	10.9 (10.6 - 11.1)	12.9 (12.3 - 13.5)
2017	11.5 (11.3 - 11.8)	14.2 (13.6 - 14.8)
2018	11.9 (11.6 - 12.1)	15.1 (14.5 - 15.7)
2019	12.2 (12.0 - 12.5)	15.6 (14.9 - 16.2)

2020	15.9 (15.6 - 16.2)	19.4 (18.7 - 20.2)

95% CI= 95% Confidence Interval

Supplemental Table 7: Non-Insulin dependent DM and Stroke-related Age-Adjusted Mortality Rates per 100,000 Stratified by Census Region among 55-85+ years old individuals in the United States from 1999 to 2020

Age-Adjusted Mortality Rate (95% CI)				
Year	Northeast	Midwest	South	West
1999	8.1 (7.6 - 8.6)	13.5 (12.9 - 14.1)	10.8 (10.4 - 11.3)	10.1 (9.5 - 10.7)
2000	8.7 (8.1 - 9.2)	13.8 (13.2 - 14.4)	12.0 (11.6 - 12.5)	10.0 (9.4 - 10.6)
2001	8.2 (7.7 - 8.7)	14.7 (14.1 - 15.3)	12.1 (11.7 - 12.6)	10.8 (10.2 - 11.4)
2002	8.6 (8.1 - 9.1)	14.9 (14.2 - 15.5)	12.4 (11.9 - 12.9)	10.8 (10.2 - 11.4)
2003	8.0 (7.6 - 8.5)	14.6 (13.9 - 15.2)	12.0 (11.5 - 12.5)	11.1 (10.5 - 11.7)

2004	7.9 (7.4 - 8.4)	14.6 (14.0 - 15.2)	12.1 (11.6 - 12.5)	12.2 (11.6 - 12.8)
2005	7.3 (6.9 - 7.8)	13.9 (13.3 - 14.5)	12.1 (11.7 - 12.6)	11.5 (10.9 - 12.0)
2006	7.0 (6.5 - 7.4)	13.4 (12.8 - 14.0)	11.9 (11.5 - 12.4)	11.8 (11.2 - 12.3)
2007	6.4 (6.0 - 6.9)	13.0 (12.4 - 13.6)	11.2 (10.8 - 11.6)	12.3 (11.7 - 12.9)
2008	6.3 (5.9 - 6.8)	12.8 (12.2 - 13.4)	10.2 (9.8 - 10.6)	12.7 (12.1 - 13.3)
2009	5.9 (5.5 - 6.3)	11.7 (11.1 - 12.2)	10.6 (10.2 - 11.0)	12.8 (12.2 - 13.4)
2010	6.1 (5.6 - 6.5)	11.2 (10.6 - 11.7)	10.4 (10.0 - 10.8)	13.3 (12.7 - 13.9)
2011	5.7 (5.3 - 6.1)	11.1 (10.6 - 11.6)	9.6 (9.2 - 10.0)	12.7 (12.1 - 13.2)
2012	5.8 (5.4 - 6.2)	11.2 (10.6 - 11.7)	9.4 (9.0 - 9.7)	13.0 (12.4 - 13.5)
2013	5.6 (5.2 - 6.0)	10.2 (9.7 - 10.7)	8.9 (8.6 - 9.3)	13.7 (13.2 - 14.3)
2014	5.8 (5.4 - 6.1)	9.7 (9.3 - 10.2)	8.2 (7.9 - 8.6)	13.4 (12.9 - 14.0)

2015	5.8 (5.4 - 6.2)	10.5 (10.0 - 11.0)	9.2 (8.9 - 9.6)	15.1 (14.5 - 15.7)
2016	6.3 (5.9 - 6.7)	13.9 (13.3 - 14.5)	10.1 (9.8 - 10.5)	16.7 (16.1 - 17.3)
2017	6.4 (6.0 - 6.8)	13.4 (12.8 - 14.0)	10.8 (10.4 - 11.1)	18.3 (17.7 - 19.0)
2018	6.9 (6.5 - 7.3)	13.0 (12.4 - 13.6)	11.3 (10.9 - 11.7)	18.4 (17.8 - 19.0)
2019	7.2 (6.8 - 7.6)	12.8 (12.2 - 13.4)	11.8 (11.4 - 12.2)	18.7 (18.1 - 19.4)
2020	10.0 (9.5 - 10.5)	11.7 (11.1 - 12.2)	14.7 (14.3 - 15.1)	24.5 (23.8 - 25.2)
Total	7.0 (6.9 - 7.1)	11.2 (10.6 - 11.7)	11.0 (10.9 - 11.1)	14.4 (14.3 - 14.5)

Supplemental Table 8: Non-Insulin dependent DM and Stroke-related Crude Mortality Rates per 100,000 Stratified by Age groups among 55-85+ years old individuals in the United States from 1999 to 2020

Crude Mortality Rate (95% CI)				
Years	55-64 years	65-74 years	75-84 years	85+ years
1999	1.6 (1.4 - 1.7)	7.2 (6.8 - 7.6)	21.5 (20.7 - 22.4)	46.4 (44.3 - 48.5)
2000	2.0 (1.8 - 2.2)	7.4 (7.0 - 7.8)	22.3 (21.5 - 23.2)	48.8 (46.7 - 50.9)

2001	1.9 (1.7 - 2.1)	7.7 (7.3 - 8.1)	22.9 (22.0 - 23.7)	50.9 (48.7 - 53.0)
2002	1.8 (1.7 - 2.0)	7.7 (7.3 - 8.1)	23.2 (22.4 - 24.1)	53.3 (51.1 - 55.4)
2003	2.0 (1.9 - 2.2)	7.5 (7.1 - 7.9)	22.9 (22.0 - 23.7)	50.5 (48.4 - 52.6)
2004	2.0 (1.8 - 2.1)	7.6 (7.2 - 8.0)	23.7 (22.9 - 24.6)	50.8 (48.7 - 52.8)
2005	2.0 (1.9 - 2.2)	7.6 (7.2 - 8.0)	22.2 (21.4 - 23.0)	49.7 (47.7 - 51.7)
2006	1.9 (1.7 - 2.0)	7.5 (7.1 - 7.9)	22.6 (21.8 - 23.5)	46.8 (44.9 - 48.7)
2007	2.0 (1.8 - 2.2)	7.0 (6.6 - 7.3)	21.6 (20.8 - 22.4)	46.7 (44.8 - 48.6)
2008	2.0 (1.8 - 2.1)	6.9 (6.5 - 7.2)	20.8 (20.0 - 21.6)	45.3 (43.5 - 47.2)
2009	2.0 (1.8 - 2.1)	6.8 (6.4 - 7.1)	20.4 (19.6 - 21.2)	44.4 (42.6 - 46.
2010	1.9 (1.8 - 2.0)	6.7 (6.4 - 7.1)	20.2 (19.4 - 21.0)	44.7 (42.9 - 46.5)
2011	1.9 (1.7 - 2.0)	6.8 (6.4 - 7.1)	18.9 (18.1 - 19.6)	41.6 (39.9 - 43.2)
2012	1.8 (1.6 - 1.9)	6.3 (6.0 - 6.6)	18.8 (18.1 - 19.6)	45.0 (43.3 - 46.7)
2013	1.9 (1.7 - 2.0)	6.3 (6.0 - 6.6)	18.7 (18.0 - 19.4)	41.0 (39.4 - 42.6)
2014	1.9 (1.7 - 2.0)	6.1 (5.8 - 6.4)	18.0 (17.2 - 18.7)	39.2 (37.6 - 40.7)

2015	2.1 (2.0 - 2.3)	6.8 (6.5 - 7.1)	19.6 (18.9 - 20.3)	42.7 (41.1 - 44.3)
2016	2.3 (2.1 - 2.4)	7.7 (7.4 - 8.0)	21.7 (20.9 - 22.5)	46.0 (44.3 - 47.6)
2017	2.7 (2.5 - 2.8)	8.1 (7.8 - 8.4)	22.7 (22.0 - 23.5)	50.1 (48.4 - 51.8)
2018	2.9 (2.8 - 3.1)	8.5 (8.1 - 8.8)	23.5 (22.7 - 24.3)	50.5 (48.8 - 52.3)
2019	2.8 (2.7 - 3.0)	9.0 (8.7 - 9.3)	23.6 (22.9 - 24.4)	53.6 (51.8 - 55.4)
2020	4.1 (3.9 - 4.3)	11.7 (11.4 - 12.1)	30.1 (29.3 - 31.0)	67.0 (65.0 - 69.0)
Total	2.2 (2.2 - 2.2)	7.6 (7.5 - 7.7)	21.9 (21.8 - 22.1)	48.0 (47.6 - 48.4)

Supplemental Table 9: Non-Insulin dependent DM and Stroke-related Age Adjusted Mortality Rates per 100,000, Stratified by States among 55-85+ years old individuals in the United States from 1999 to 2020

Deaths	
State	Age-Adjusted Mortality Rate (95% CI)
Alabama	12.0 (11.5 - 12.4)
Alaska	12.8 (11.1 - 14.5)
Arizona	6.4 (6.1 - 6.6)

Arkansas	8.9 (8.5 - 9.4)
California	17.1 (16.9 - 17.3)
Colorado	10.6 (10.1 - 11.0)
Connecticut	5.9 (5.6 - 6.3)
Delaware	9.3 (8.5 - 10.2)
District of Columbia	7.1 (6.1 - 8.1)
Florida	5.9 (5.8 - 6.0)
Georgia	6.8 (6.6 - 7.1)
Hawaii	10.5 (9.8 - 11.3)
Idaho	14.9 (14.0 - 15.8)
Illinois	8.8 (8.5 - 9.0)
Indiana	14.0 (13.6 - 14.4)
Iowa	16.8 (16.2 - 17.4)
Kansas	11.0 (10.4 - 11.5)

Kentucky	15.0 (14.5 - 15.5)
Louisiana	5.8 (5.5 - 6.1)
Maine	10.9 (10.2 - 11.6)
Maryland	9.7 (9.4 - 10.1)
Massachusetts	4.3 (4.1 - 4.5)
Michigan	9.8 (9.6 - 10.1)
Minnesota	15.8 (15.3 - 16.2)
Mississippi	10.9 (10.3 - 11.4)
Missouri	10.5 (10.1 - 10.8)
Montana	12.1 (11.1 - 13.0)
Nebraska	17.0 (16.2 - 17.8)
Nevada	3.8 (3.5 - 4.2)
New Hampshire	9.8 (9.0 - 10.5)
New Jersey	5.8 (5.6 - 6.0)

New Mexico	9.2 (8.6 - 9.8)
New York	5.1 (4.9 - 5.2)
North Carolina	12.6 (12.3 - 13.0)
North Dakota	15.1 (13.9 - 16.3)
Ohio	16.7 (16.4 - 17.1)
Oklahoma	16.6 (16.1 - 17.2)
Oregon	18.1 (17.6 - 18.7)
Pennsylvania	10.7 (10.4 - 10.9)
Rhode Island	7.2 (6.5 - 7.8)
South Carolina	13.9 (13.4 - 14.3)
South Dakota	15.2 (14.1 - 16.4)
Tennessee	18.3 (17.8 - 18.8)
Texas	15.0 (14.8 - 15.3)
Utah	8.4 (7.8 - 9.0)

Vermont	16.2 (14.9 - 17.5)
Virginia	9.1 (8.8 - 9.4)
Washington	17.2 (16.8 - 17.7)
West Virginia	18.7 (17.9 - 19.5)
Wisconsin	13.0 (12.6 - 13.4)
Wyoming	13.2 (11.8 - 14.5)