

## Supplementary Online Content

Gilsanz P, Mayeda ER, Glymour MM, Quesenberry CP, Whitmer RA.  
Association between birth in a high-stroke mortality state, race, and risk of  
dementia. *JAMA Neurol*. Published online July 31, 2017. doi:10.1001/  
jamaneurol.2017.1553

**eFigure.** Flowchart of Exclusions and Reasons for Censorship Among Final  
Analytic Sample

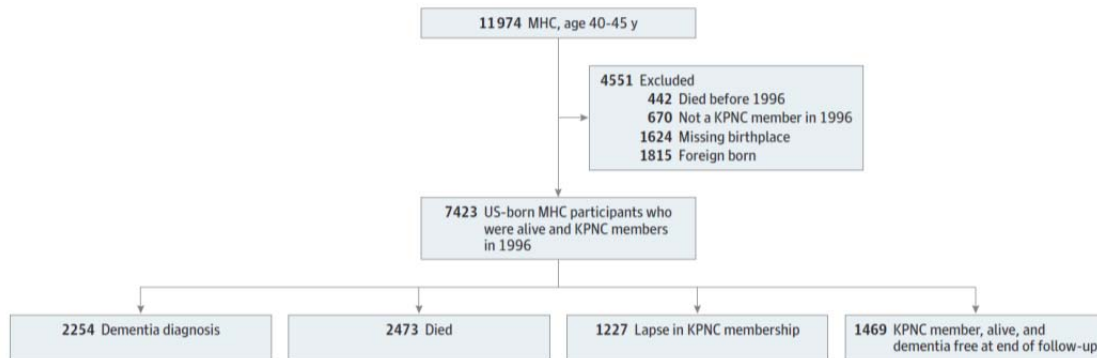
**eTable 1.** *ICD-9* Codes Identifying Late Life Health Conditions

**eTable 2.** Among Blacks: Sample Characteristics by Birthplace and Overall

**eTable 3.** Among Non-Blacks: Sample Characteristics by Birthplace and Overall

This supplementary material has been provided by the authors to give readers  
additional information about their work.

**eFigure.** Flowchart of Exclusions and Reasons for Censorship Among Final Analytic Sample



**eTable 1. ICD-9 Codes Identifying Late Life Health Conditions**

<b>Health Condition</b>	<b>ICD-code</b>
Diabetes	249.x, 250.x, 357.2, 362.01, 362.02, 362.03, 362.04, 362.05, 362.06, 366.41
Hypertension	362.11, 401.x-405.x, 437.2
Heart failure	398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 428.x
Acute myocardial infarction	410.01, 410.11, 410.21, 410.31, 410.41, 410.51, 410.61, 410.71, 410.81, 410.91
Stroke	433.01-435.9, 430, 431, 436, 997.02

**eTable 2. Among Blacks: Sample Characteristics by Birthplace and Overall**

<b>Characteristic</b>	<b>Born outside a high stroke mortality state (n=559)</b>	<b>Born in a high stroke mortality state (n=795)</b>	<b>Overall (n=1354)</b>
<b>Dementia incidence</b>			
Number of dementia cases, No. (%)	195 (34.88)	317 (39.87)	512 (37.81)
Age-adjusted dementia incidence rate (per 1,000 person-years)	21.88 (17.69, 26.07)	25.00 (21.01, 28.98)	23.72 (20.81, 26.63)
Age in 1996 (Mean, SD, years)	71.18 (2.72)	71.14 (2.72)	71.17 (2.72)
Female sex, No. (%)	331 (59.21)	473 (59.50)	804 (59.38)
<b>Midlife exposures</b>			
High school education or less, No. (%)	353 (63.15)	582 (73.21)	935 (69.05)
Trade school or some college, No. (%)	125 (22.36)	145 (18.24)	270 (19.94)
College graduate or more, No. (%)	32 (5.72)	32 (4.03)	64 (4.73)
No hypertension, No. (%)	312 (55.81)	414 (52.08)	726 (53.62)
Controlled hypertension, No. (%)	>25	>25	>50
Uncontrolled hypertension, No. (%)	237 (42.40)	360 (45.28)	597 (44.09)
Never smoked, No. (%)	213 (38.10)	360 (45.28)	573 (42.32)
Smoked less than 10 years	61 (10.91)	91 (11.45)	152 (11.23)
Smoked 10-20 years	99 (17.71)	136 (17.11)	235 (17.36)
Smoked over 20 years	172 (30.77)	188 (23.65)	360 (26.59)
<b>Late life exposures</b>			
Diabetes, No. (%)	225 (40.25)	320 (40.25)	545 (40.25)
Hypertension, No. (%)	480 (85.87)	697 (87.67)	1177 (86.93)
Heart failure, No. (%)	178 (31.84)	251 (31.57)	429 (31.68)
Myocardial infraction, No. (%)	54 (9.66)	97 (12.20)	151 (11.15)
Stroke, No. (%)	181 (32.38)	244 (30.69)	425 (31.39)

**eTable 3. Among Non-Blacks: Sample Characteristics by Birthplace and Overall**

<b>Characteristic</b>	<b>Born outside a high stroke mortality state (n=5,698)</b>	<b>Born in a high stroke mortality state (n=371)</b>	<b>Overall (n=6,069)</b>
<b>Dementia incidence</b>			
Number of dementia cases, No. (%)	1,604 (28.15)	138 (37.20)	1742 (28.70)
Age-adjusted dementia incidence rate (per 1,000 person-years)	14.98 (13.82, 16.14)	19.79 (16.41, 23.16)	15.25 (14.14, 16.37)
Age in 1996 (Mean, SD, years)			
Female sex, No. (%)	3,044(53.42)	201 (54.18)	3,245 (53.47)
<b>Midlife exposures</b>			
High school education or less, No. (%)	2,457 (43.12)	188 (50.67)	2,645 (43.58)
Trade school or some college, No. (%)	1,102 (19.34)	94 (25.34)	1,196 (19.71)
College graduate or more, No. (%)	1,244 (21.83)	51 (13.75)	1,295 (21.34)
No hypertension, No. (%)	4,111 (72.15)	261 (70.35)	4,372 (72.04)
Controlled hypertension, No. (%)	33 (0.58)	>25	>58
Uncontrolled hypertension, No. (%)	1,548 (27.17)	108 (29.11)	1,656 (27.29)
Never smoked, No. (%)	2,324 (40.79)	155 (41.78)	2,479 (40.85)
Smoked less than 10 years	647 (11.35)	37 (9.97)	684 (11.27)
Smoked 10-20 years	1,018 (17.87)	70 (18.87)	1,088 (17.93)
Smoked over 20 years	1,621 (28.45)	106 (28.57)	17.27 (28.46)
<b>Late life exposures</b>			
Diabetes, No. (%)	1,424 (24.99)	109 (29.38)	1,533 (25.26)
Hypertension, No. (%)	4,383 (76.92)	284 (76.55)	4,667 (76.90)
Heart failure, No. (%)	1,625 (28.25)	114 (30.73)	1,739 (28.65)
Myocardial infraction, No. (%)	658 (11.55)	51 (13.75)	709 (11.68)
Stroke, No. (%)	1,541 (27.04)	109 (29.38)	1,650 (27.19)