Online supplementary tables

Online supplementary Table 1a: Unadjusted prevalence of stroke symptoms recognition in the United States by cognitive impairment status stratified by living arrangement

impariment status	stratified by fiving a	mangement	т.	1		
			Lives			
			Stroke sympto	m recognition	I	
	Sudden confusion or trouble speaking	Sudden numbness or weakness of face, arm, or leg, especially on one side	Sudden trouble seeing in one or both eyes	Sudden trouble walking, dizziness, or loss of balance	Severe headache with no known cause	All five symptoms
	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)
Has cognitive impairment	91.7 (89.3, 94.1)	91.4 (88.9, 93.9)	78.3 (74.7, 81.9)	87.0 (84.0, 90.0)	77.0 (73.3, 80.7)	55.8 (51.4, 60.2)
No cognitive impairment	94.5 (93.9, 95.1)	95.1 (94.5, 95.7)	85.6 (84.7, 86.5)	92.9 (92.2, 93.6)	83.8 (82.8, 84.4)	61.9 (60.6, 63.2)
			Lives wit	th others		
			Stroke sympto	m recognition		
	Sudden confusion or trouble speaking	Sudden numbness or weakness of face, arm, or leg, especially on one side	Sudden trouble seeing in one or both eyes	Sudden trouble walking, dizziness, or loss of balance	Severe headache with no known cause	All five symptoms
	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)
Has cognitive impairment	92.0 (89.6, 94.4)	93.5 (91.3, 95.7)	80.5 (77.0, 84.0)	90.0 (87.3, 92.7)	78.8 (75.2, 82.4)	57.4 (53.0, 61.8)
No cognitive impairment	95.2 (94.7, 95.7)	96.0 (95.6, 96.5)	87.1 (86.3, 87.9)	93.5 (92.9, 94.1)	85.0 (84.1, 85.9)	64.3 (63.1, 65.5)

		Lives alone				
			Heart attack symp			
	Jaw, neck, or back pain	Feeling weak, lightheaded, or faint	Chest pain or discomfort	Pain or discomfort in arms or shoulder	Shortness of breath	All five symptoms
	Weighted % ¹ (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence
	Interval)	Interval)	Interval)	Interval)	Interval)	Interval)
Has cognitive	70.0	75.9	89.6	84.4	84.7	66.9
impairment	(66.0, 74.0)	(72.1, 79.7)	(86.9, 92.3)	(81.2, 87.6)	(81.5, 87.9)	(62.8, 71.0)
No cognitive	73.8	76.9	91.2	88.7	86.2	76.7
impairment	(72.6, 75.0)	(75.8, 78.0)	(90.4, 92.0)	(87.9, 89.5)	(85.3, 87.1)	(75.6, 77.8)
			Lives wit	h others		
			Heart attack symp	otom recognition		
	Jaw, neck, or back pain	Feeling weak, lightheaded, or faint	Chest pain or discomfort	Pain or discomfort in arms or shoulder	Shortness of breath	All five symptoms
	Weighted % (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence	Weighted % (95% Confidence
TT •/•	Interval)	Interval)	Interval)	Interval)	Interval)	Interval)
Has cognitive	69.7	74.9	91.0	85.7	85.2	69.7
impairment	(65.6, 73.8)	(71.1, 78.7)	(88.5, 93.5)	(82.6, 88.8)	(82.1, 88.4)	(65.6, 73.8)
No cognitive	75.6	78.0	92.4	90.4	87.9	78.9
impairment	(74.5, 76.7)	(77.0, 79.0)	(91.7, 93.1)	(89.7, 91.1)	(87.1, 88.7)	(77.9, 79.9)

Online supplementary Table 1b: Unadjusted prevalence of heart attack symptoms recognition in the United States by cognitive impairment status stratified by living arrangement

¹ Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages.

	Stratified by stroke		Had a	stroke		
			Stroke symptom	om recognition		
	Sudden confusion or trouble speaking	Sudden numbness or weakness of face, arm, or leg, especially on one side	Sudden trouble seeing in one or both eyes	Sudden trouble walking, dizziness, or loss of balance	Severe headache with no known cause	All five symptoms
	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)
Has cognitive impairment (n = 224)	89.8 (85.8, 93.8)	92.1 (88.6, 95.6)	79.7 (74.4, 85.0)	91.2 (87.5, 94.9)	76.9 (71.4, 82.4)	64.4 (58.1, 70.7)
No cognitive impairment (n = 778)	95.8 (94.4, 97.2)	96.0 (94.6, 97.4)	85.9 (83.5, 88.3)	94.1 (92.4, 95.8)	83.9 (81.3, 86.5)	77.6 (74.8, 80.6)
				d a stroke		
			· · ·	om recognition		
	Sudden confusion or trouble speaking	Sudden numbness or weakness of face, arm, or leg, especially on one side	Sudden trouble seeing in one or both eyes	Sudden trouble walking, dizziness, or loss of balance	Severe headache with no known cause	All five symptoms
	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)
Has cognitive impairment (n = 767)	92.5 (90.6, 94.4)	92.5 (90.6, 94.4)	79.3 (76.4, 82.2)	87.6 (85.3, 89.9)	78.2 (75.3, 81.1)	69.3 (66.0, 72.6)
No cognitive impairment (n = 10861)	94.8 (94.4, 95.2)	95.6 (95.2, 96.0)	86.4 (85.8, 87.0)	93.1 (92.6, 93.6)	84.5 (83.8, 85.2)	77.9 (77.1, 78.7)

Online supplementary Table 2a: Unadjusted prevalence of stroke symptoms recognition in the United States by cognitive impairment status stratified by stroke history

		j	Had a hea	rt attack		
			Heart attack sym	otom recognition		
	Jaw, neck, or back pain	Feeling weak, lightheaded, or faint	Chest pain or discomfort	Pain or discomfort in arms or shoulder	Shortness of breath	All five symptoms
	Weighted % ² (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)
Has cognitive impairment (n = 146)	79.9 (73.4, 86.4)	76.4 (69.5, 83.3)	94.1 (90.3, 97.9)	89.1 (84.0, 94.2)	87.1 (81.7, 92.5)	62.6 (54.8, 70.4)
No cognitive impairment (n = 1021)	77.3 (74.7, 79.9)	79.0 (76.5, 81.5)	95.3 (94.0, 96.6)	90.6 (88.8, 92.4)	88.9 (87.0, 90.8)	63.7 (60.8, 66.6)
			Never had a			
			Heart attack sym	ptom recognition		
	Jaw, neck, or back pain	Feeling weak, lightheaded, or faint	Chest pain or discomfort	Pain or discomfort in arms or shoulder	Shortness of breath	All five symptoms
	Weighted % ³ (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)	Weighted % (95% Confidence Interval)
Has cognitive impairment (n = 845)	68.0 (64.9, 71.1)	75.2 (72.3, 78.1)	89.5 (87.4, 91.6)	84.2 (81.7, 86.7)	84.6 (82.2, 87.0)	55.4 (52.0, 58.8)
No cognitive impairment (n = 10618)	74.5 (73.7, 75.3)	77.7 (76.9, 78.5)	91.5 (91.0, 92.0)	89.5 (88.9, 90.1)	86.9 (86.3, 87.5)	63.2 (62.3, 64.1)

Online supplementary Table 2b: Unadjusted prevalence of heart attack symptoms recognition in the United States by cognitive impairment status stratified by heart attack history

² Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages.

³ Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages.

Online Supplementary Table 3a: Unadjusted prevalence of stroke and heart attack symptoms recognition in the United States by cognitive impairment status when "don't know" responses categorized as "No" responses

			Stroke sympton	m recognition		
	Sudden confusion	Sudden	Sudden trouble	Sudden trouble	Severe headache	All five
	or trouble	numbness or	seeing in one or	walking,	with no known	symptoms
	speaking	weakness of face,	both eyes	dizziness, or loss	cause	
		arm, or leg,		of balance		
		especially on one				
		side				
	Weighted % ⁴	Weighted %	Weighted %	Weighted %	Weighted %	Weighted %
	(95% Confidence	(95% Confidence	(95% Confidence	(95% Confidence	(95% Confidence	(95% Confidence
	Interval)	Interval)	Interval)	Interval)	Interval)	Interval)
Has cognitive	86.6	87.2	71.4	83.7	70.1	59.1
impairment	(84.7, 88.5)	(85.3, 89.1)	(68.8, 73.9)	(81.6, 85.7)	(67.5, 72.6)	(56.3, 61.8)
No cognitive	93.3	93.7	80.7	90.8	78.9	70.1
impairment	(92.9, 93.7)	(93.3, 94.2)	(80.1, 81.4)	(90.3, 91.3)	(78.2, 79.6)	(69.3, 70.8)
			Heart attack sym	otom recognition		
	Jaw, neck, or back	Feeling weak,	Chest pain or	Pain or	Shortness of	All five
	pain	lightheaded, or	discomfort	discomfort in	breath	symptoms
		faint		arms or shoulder		
	Weighted %	Weighted %	Weighted %	Weighted %	Weighted %	Weighted %
	(95% Confidence	(95% Confidence	(95% Confidence	(95% Confidence	(95% Confidence	(95% Confidence
	Interval)	Interval)	Interval)	Interval)	Interval)	Interval)
Has cognitive	63.5	69.4	86.6	78.8	79.1	49.6
impairment	(60.8, 66.2)	(66.8, 72.0)	(84.7, 88.5)	(76.5, 81.1)	(76.8, 81.4)	(46.8, 52.4)
No cognitive	71.4	73.6	90.8	87.7	84.6	57.8
impairment	(70.7, 72.2)	(72.9, 74.4)	(90.3, 91.3)	(87.1, 88.3)	(84.0, 85.2)	(57.0, 58.7)

⁴ Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages.

Online Supplementary Table 3b: Adjusted estimates of stroke and heart attack symptoms recognition by cognitive impairment status when "don't know" responses categorized as "No" responses

			Stroke sympto	m recognition		
	Sudden confusion or trouble speaking	Sudden numbness or weakness of face, arm, or leg, especially on one side	Sudden trouble seeing in one or both eyes	Sudden trouble walking, dizziness, or loss of balance	Severe headache with no known cause	All five symptoms
	Odds Ratio (95% Confidence Interval)	Odds Ratio (95% Confidence Interval)	Odds Ratio (95% Confidence Interval)	Odds Ratio (95% Confidence Interval)	Odds Ratio (95% Confidence Interval)	Odds Ratio (95% Confidence Interval)
Cognitive Impairment status (ref: No cognitive impairment)						
Has cognitive impairment	0.66 (0.53, 0.84)	0.68 (0.54, 0.85)	0.76 (0.64, 0.91)	0.72 (0.59, 0.87)	0.74 (0.63, 0.87)	0.76 (0.65, 0.88)
	Heart attack symptom recognition					
	Jaw, neck, or back pain	Feeling weak, lightheaded, or faint	Chest pain or discomfort	Pain or discomfort in arms or shoulder	Shortness of breath	All five symptoms

	Odds Ratio ⁵ (95% Confidence Interval)	Odds Ratio (95% Confidence Interval)				
Cognitive Impairment status (ref: No cognitive impairment)						
Has cognitive	0.87	0.99	0.91	0.73	0.90	0.88
impairment	(0.75, 1.01)	(0.84, 1.16)	(0.73, 1.12)	(0.61, 0.87)	(0.76, 1.07)	(0.76, 1.01)

⁵Logistic models had NHIS survey weighting applied to them and included cognitive impairment status, age, sex, race, % of poverty line, and education as covariates.

NHIS data processing

Variable	File	Categories
		Heart attack symptoms
Jaw, neck, or back pain: JAWP (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Feeling weak, lightheaded, or faint: WEA (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Chest pain or discomfort: CHE (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Pain or discomfort in arms or shoulder: ARM (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Shortness of breath: BRTH (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
		Stroke symptoms
Sudden numbness or weakness of face, arm, or leg, especially on one side: FACE (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Sudden confusion or trouble speaking: SPEAKING (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Sudden trouble seeing in one or both eyes: EYE (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Sudden trouble walking, dizziness, or loss of balance: WALKING (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
Severe headache with no known cause: HEADACHE (2014, 2017)	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9
T (1 C1	D	Cognitive impairment
In the person file	Person	In the person file PLAREMEM: 1=Yes,2=No, 7=Refused, 8=Not ascertained, 9=Don't Know *Exclude 7,8,9

Is limited by		
difficulty		
remembering?:		
(PLAREMEM		
(2014, 2017))		
(2014, 2017))		Sociodemographic factors
Sex: SEX (2014,	Person	Variable Codes
2017)	1 015011	1=Male
2017)		2=Female
Age: AGE_P	Person	65-74y, 75-84y, 85+
(2014, 2017)	1 015011	
(2014, 2017)		Variable Codes
		00=Under 1
		01-84=1-84 years
		85=85+ years
Race: HISCODI3	Person	Variable Codes
(2014, 2017)	1 015011	1=Hispanic
(2014, 2017)		2=Non-Hispanic White,
		3=Non-Hispanic Black
		4=Non-Hispanic Asian
		5=Non-Hispanic All other race groups
		*You should combine 4 and 5 to make just Other (Non-Hispanic Asian, Non-
		Hispanic All other race groups) so less categories
Poverty Line:	Family	Variable Codes
RAT_CAT4 (2014,	1 uning	01=Under 0.50
2017)		02=0.50 - 0.74
2017)		03=0.75 - 0.99
		04=1.00 - 1.24
		05=1.25 - 1.49
		06=1.50 - 1.74
		07=1.75 - 1.99
		08=2.00 - 2.49
		09=2.50 - 2.99
		10=3.00 - 3.49
		11=3.50 - 3.99
		11-3.50-3.59 $12=4.00-4.49$
		13=4.50 - 4.99
		13-4.50 - 4.59 14=5.00 and over
		15=Less than 1.00 (no further
		detail)
		16=1.00 - 1.99 (no further detail)
		17=2.00 and over (no further
		detail)
		96=Undefinable 99 Unknown
		*Please recode this as:
		• $<100\%$ (01=Under 0.50; 02=0.50 - 0.74; 03=0.75 - 0.99; 15=Less than
		1.00 (no further detail))
		• 100-199% (04=1.00 - 1.24; 05=1.25 - 1.49; 06=1.50 - 1.74; 07=1.75 -
		1.99; 16=1.00 - 1.99 (no further detail))
		• 200-299% (08=2.00 - 2.49; 09=2.50 - 2.99)

		• 300-399% (10=3.00 - 3.49; 11=3.50 - 3.99)		
		 >400% (12=4.00 - 4.49; 14=5.00 and over) 		
		*Exclude 96=Undefinable 99 Unknown		
Education:	Family	Variable Codes		
FM_EDUC1		01=Less than/equal to 8th grade		
(2014, 2017)		02=9-12th grade, no high school diploma		
		03=GED recipient		
		04=High school graduate		
		05=Some college, no degree		
		06=AA degree, technical or vocational		
		07=AA degree, academic program		
		08=Bachelor's degree (BA, BS, AB, BBA)		
		09=Master's, professional, or doctoral degree		
		97=Refused		
		98=Not ascertained		
		99=Don't know		
		*Please recode this as:		
		• Less than high school (01=Less than/equal to 8th grade; 02=9-12th		
		 grade, no high school diploma) High school graduate (03=GED recipient; 04=High school graduate) 		
		 Some college (05=Some college, no degree; 06=AA degree, technical or 		
		vocational; 07=AA degree, academic program)		
		• College graduate (08=Bachelor's degree (BA, BS, AB, BBA),		
		09=Master's, professional, or doctoral degree)		
		*Exclude (97=Refused, 98=Not ascertained, 99=Don't know)		
Lining	Famila	Stratification Variables		
Living arrangement:	Family	Categorize Living alone (11), Lives with others (12, 21, 22, 23, 31, 32, 33, 41, 42, 43, 44, 45), Exclude 99		
FM_STRCP (2014,		11 Living alone		
2017)		12 Living with roommate(s)		
		21 Married couple		
		22 Unmarried couple		
		23 All other adult-only families		
		31 Mother and biological or non- biological abild(rap) only		
		biological child(ren) only 32 Father and biological or non-		
		biological child(ren) only		
		33 All other single-adult and		
		child(ren) families		
		41 Married or unmarried parents with		
		biological/adoptive child(ren) only		
		42 Parent (biological or adoptive), step parent, and child(ren) only		
		43 Parent (biological or adoptive),		
		cohabiting partner, and child(ren) only		

		 44 At least 1 (biological or adoptive) parent and 1+ child(ren), and other related adults 45 Other related and/or unrelated adults, 1+ child(ren), no biological or adoptive parent(s) 99 Unknown 	
Stroke history:	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertai	ned, 9=Don't Know
STREV (2014,		*Exclude 7,8,9	
2017)			
Heart attack	Adult	1=Yes,2=No, 7=Refused, 8=Not ascertai	ned, 9=Don't Know
history: MIEV		*Exclude 7,8,9	
(2014, 2017)			

Cognitive impairment	Ν	Weighted % ⁶ (95% Confidence Interval)
Yes	1345	8.3 (7.9, 8.8)
No	14627	91.6 (91.2, 92.0)
Missing (Includes Refused, Not Ascertained, and Don't Know)	6	0.04 (~0, 0.09)

Stroke and heart attack symptoms recognition for individuals <u>>65</u> years with cognitive impairment information in the 2014 and 2017 NHIS surveys

Symptom	n	Weighted % ⁷
	Stroke Syn	nptoms
Sudden confusion or		
trouble speaking		
Yes	14713	92.4
No	822	5.0
Missing (includes Refused, Not ascertained, and Don't Know)	437	2.6
Sudden numbness or		
weakness of face, arm, or		
leg, especially on one side		
Yes	14798	92.8
No	715	4.4
Missing (includes Refused, Not ascertained, and Don't Know)	459	2.8
Sudden trouble seeing in		
one or both eyes		
Yes	12642	79.5
No	2141	13.2

⁶Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages. ⁷Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages.

Missing (includes	1189	7.3	
Refused, Not			
ascertained, and Don't			
Know)			
Sudden trouble walking,			
dizziness, or loss of			
balance			
Yes	14308	89.7	
No	1110	6.9	
Missing (includes	554	3.4	
Refused, Not			
ascertained, and Don't			
Know)			
Severe headache with no			
known cause			
Yes	12348	77.6	
No	2520	15.6	
Missing (includes	1104	6.8	
Refused, Not			
ascertained, and Don't			
Know)			
	Heart attack	Symptoms	
Jaw, neck, or back pain			
Yes	11254	70.4	
No	3975	25.0	
Missing (includes	743	4.6	
Refused, Not			
ascertained, and Don't			
Know)			
Feeling weak,			
lightheaded, or faint	11655	72.9	
Yes	11655	72.8	
No Missing (includes	3541	22.4	
Missing (includes	776	4.8	
Refused, Not ascertained, and Don't			
Know)			
Chest pain or discomfort			
Yes	14394	90.1	
No	1279	8.1	
	299	1.8	
Missing (includes Refused, Not	277	1.0	
ascertained, and Don't			
Know)			
Pain or discomfort in			
arms or shoulder			
Yes	13799	86.6	
No	1731	10.7	
Missing (includes	442	2.7	
Refused, Not		2.1	
Netuscu, Not			

ascertained, and Don't Know)		
Shortness of breath		
Yes	13357	83.7
No	2073	12.9
Missing (includes Refused, Not ascertained, and Don't Know)	542	3.4

For individuals **>65** years with cognitive impairment and stroke and heart attack symptoms recognition information in the 2014 and 2017 NHIS surveys

Income Categories	n	Weighted % ⁸
		(95% Confidence Interval)
<100%	1626	11.0; 9.6
100-199%	3561	24.1; 21.3
200-299%	2269; 2792	15.8; 17.5
300-399%	1619; 1971	11.4; 12.5
>400%	3906; 4755	28.5; 31.0
Missing (includes	1267	9.1; 8.1
undefinable and unknown)		

Covariates	≥65 years wit	≥65 years with cognitive impairment and stroke	
	and heart	and heart attack symptoms recognition	
		information	
		(n = 13637)	
	n	Weighted % ⁹	
		(95% Confidence Interval)	
Sex			
Male	5603	40.9 (40.1, 41.7)	
Female	8034	59.1 (58.3, 59.9)	
Missing	0	0	
Race			
White	10421	78.8 (78.1, 79.5)	
Black	1472	9.7 (9.2, 10.2)	
Hispanic	1078	7.5 (7.1, 7.9)	
Other Race	554	3.5 (3.2, 3.8)	
Missing	112	0.6 (0.5, 0.7)	
% of Poverty Line (imputed)			
<100%	1303	9.1 (8.6, 9.6)	
100-199%	2992	20.9 (20.2, 21.6)	
200-299%	2397	17.5 (16.9, 18.1)	
300-399%	1744	12.9 (12.3, 13.5)	
>400%	4230	32.4 (31.6, 33.2)	
Missing (Undefinable and Unknown)	971	7.3 (6.9, 7.7)	
Education			

⁸Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages. ⁹Survey weights in the National Health Interview Survey have been used to obtain the weighted percentages.

Less than high school	1699	11.8 (11.3, 12.3)
High school graduate	3281	23.7 (23.0, 24.4)
Some college	3922	28.4 (27.6, 29.2)
College graduate	4701	35.9 (35.1, 36.7)
Missing ()	34	0.3 (0.2, 0.4)
Living arrangement		
Lives alone	6542	47.4 (46.6, 48.2)
Lives with others	7185	52.6 (51.8, 53.4)
Stroke history		
Had a stroke	1079	8.0 (7.5, 8.5)
Never had a stroke	12539	91.9 (91.4, 92.4)
Missing	19	0.1 (0.05, 0.2)
Heart attack history		
Had a heart attack	1255	8.9 (8.4, 9.4)
Never had a heart attack	12367	90.9 (90.4, 91.4)
Missing	15	0.1 (0.05, 0.2)