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Stroke data

Description of the TIA/Stroke Variables

The diagnostic computer algorithm (see Figures B-G) creates variables for each of six symptoms:

Symptom	Variable Name
speech	SPCHDIAG
vision	VISNDIAG
double vision	DBLVDIAG
numbness	NUMBDIAG
Paralysis	PARLDIAG
Dizziness	DIZZDIAG

For simplicity, this group of variables will be referred to in this document as *DIAG.

The values of the *DIAG variables indicate whether a TIA or stroke occurred and in what arterial distribution. The arterial distributions include left carotid artery (LC), right carotid artery (RC), and vertebrobasilar system (VBI or VB). Thus, the possible values for the *DIAG variables are: TIALC, TIARC, TIAVBI, STROKELC, STROKERC, STROKEVB, UNKNOWN, MISSING and blank.

Creation of TIA Intermediate Variables

If one or more of the *DIAG variables are equal to TIALC, then the intermediate categorical variable TIALC01 is set to Y. If no *DIAG variable has a value of TIALC and one or more of the *DIAG variables have the value UNKNOWN, then TIALC01 is set to U. If no *DIAG variable has a value of TIALC or UNKNOWN and one or more of the *DIAG variables are MISSING or blank, then TIALC01 is set to M. If none of the preceding conditions is satisfied, then TIALC01 is set to N.

Similar logic is used to create intermediate variables for the other two arterial distributions: right carotid artery (TIARC01) and vertebrobasilar system (TIAVBI01).

Creation of STROKE Intermediate Variables

Three intermediate variables for stroke (STKLC01, STKRC01, and STKVB01) are created in much the same manner as the variables for TIA described in 2 above; that is, the STROKE variables are defined by replacing TIA with STROKE in the description above.

Creation of TIA/STROKE Intermediate Variables

Three intermediate variables, STIALC01, STIARC01, and STIAVB01, are created based on the values of the TIA and STROKE intermediate variables defined above. If TIALC01 = Y or STKLC01 = Y then STIALC01 is set to Y. If TIALC01 = N and STKLC01 = N then STIALC01 = N. If neither of these conditions are met, and if TIALC01 = U or STKLC01 = U then STIALC01 = U. Finally, if none of the above conditions are met, then STIALC01 = M.

Similar logic is used to create intermediate variables for the other two arterial distributions: right carotid artery (STIARC01) and vertebrobasilar system (STIAVB01).

Creation of Variable TIA01

If TIALC01 = Y or TIARC01 = Y or TIAVB01 = Y then TIA01 = Y. If none are Y and TIALC01 = N and TIARC01 = N and TIAVBI01 = N then TIA01 = N. If neither of these conditions are met, and TIALC01 = U or TIARC01 = U or TIAVBI01 = U then TIA01 = U. Otherwise, TIA01 = M.

Creation of Variable STROKE01

The logic used to create STROKE01 is similar to the logic described above for TIA01, but is based on values of the intermediate variables STKLC01, STKRC01, and STKVB01.

Creation of STIA01

If TIA01 = Y or STROKE01 = Y then STIA01 = Y. If neither has a value of Y and TIA01 = N and STROKE01 = N then STIA01 = N. If neither of the above conditions are met and TIA01 = U or STROKE01 = U then STIA01 = U. Otherwise, STIA01 = M.

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The values of the *DIAG variables indicate whether a TIA or stroke occurred and in what arterial distribution.

DBLVDIAG		Double Vision
N	*Value*	*Description*
3189	MISSING	
12118	NE	
12	STROKEVB	Stroke Vertebrobasilar System
110	TIAVBI	TIA Vertebrobasilar System

DIZZDIAG		Dizziness
N	*Value*	*Description*
3227	MISSING	
12149	NE	
12	STROKEVB	Stroke Vertebrobasilar System
41	TIAVBI	TIA Vertebrobasilar System

ID		ARIC Subject ID (Cir)
N	*Value*	*Description*
15429	Present	Text suppressed

NUMBDIAG		Numbness
N	*Value*	*Description*
3208	MISSING	
12016	NE	
20	STROKELC	Stroke Left Carotid Artery
46	STROKERC	Stroke Right Carotid Artery
13	STROKEVB	Stroke Vertebrobasilar System
37	TIALC	TIA Left Carotid Artery
55	TIARC	TIA Right Carotid Artery
34	TIAVBI	TIA Vertebrobasilar System

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PARLDIAG		Paralysis
N	Value	Description
3190	MISSING	
12107	NE	
22	STROKELC	Stroke Left Carotid Artery
31	STROKERC	Stroke Right Carotid Artery
13	STROKEVB	Stroke Vertebrobasilar System
17	TIALC	TIA Left Carotid Artery
30	TIARC	TIA Right Carotid Artery
19	TIAVBI	TIA Vertebrobasilar System

SPCHDIAG		Speech Problem
N	Value	Description
3177	MISSING	
12010	NE	
89	STROKELC	Stroke Left Carotid Artery
5	STROKERC	Stroke Right Carotid Artery
25	STROKEVB	Stroke Vertebrobasilar System
111	TIALC	TIA Left Carotid Artery
12	TIAVBI	TIA Vertebrobasilar System

STIA01		Stroke Or TIA
N	Value	Description
3299	M	Missing
11392	N	No
738	Y	Y

STIALC01		Stroke Or TIA Left Carotid
N	Value	Description
3305	M	Missing
11774	N	No
350	Y	Yes

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STIARC01		Stroke Or TIA Right Carotid
N	*Value*	*Description*
3314	M	Missing
11892	N	No
223	Y	Yes

STIAVB01		Stroke Or TIA VBI
N	*Value*	*Description*
3310	M	Missing
11825	N	No
294	Y	Yes

STKLC01		Stroke-Left Carotid
N	*Value*	*Description*
3310	M	Missing
11972	N	No
147	Y	Yes

STKRC01		Stroke-Right Carotid
N	*Value*	*Description*
3316	M	Missing
12014	N	No
99	Y	Yes

STKVB01		Stroke-VBI
N	*Value*	*Description*
3315	M	Missing
12033	N	No
81	Y	Yes

STROKE01		Stroke
N	*Value*	*Description*
3307	M	Missing
11836	N	No
286	Y	Yes

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TIA01	TIA	
N	*Value*	*Description*
3306	M	Missing
11623	N	No
500	Y	Yes

TIALC01	TIA-Left Carotid	
N	*Value*	*Description*
3311	M	Missing
11908	N	No
210	Y	Yes

TIARC01	TIA-Right Carotid	
N	*Value*	*Description*
3315	M	Missing
11988	N	No
126	Y	Yes

TIAVB01	TIA-VBI	
N	*Value*	*Description*
3312	M	Missing
11896	N	No
221	Y	Yes

VISNDIAG	Vision Problem	
N	*Value*	*Description*
3187	MISSING	
12009	NE	
35	STROKELC	Stroke Left Carotid Artery
37	STROKERC	Stroke Right Carotid Artery
24	STROKEVB	Stroke Vertebrobasilar System
58	TIALC	TIA Left Carotid Artery
53	TIARC	TIA Right Carotid Artery
26	TIAVBI	TIA Vertebrobasilar System