

Appendix A
Definitions of Diagnosis Related Groups 14, 15, and 524

Pre–October 1, 2002

DRG 14 – ICD-9 codes 430, 431, 432, 434, 436
Specific cerebrovascular disorders except TIA

DRG 15 – ICD-9 codes 433, 435
TIA and precerebral occlusions

October 1, 2002–Present

DRG 14 – ICD-9 codes 430, 431, 432.0, 432.1, 432.9, 433.01, 433.11, 433.2, 433.31, 434.01, 434.11, 434.91
Intracranial hemorrhage and stroke with infarction

DRG 15 – ICD-9 codes 433.00, 433.10, 433.20, 433.30, 433.80, 433.90, 434.00, 434.10, 434.90, 436
Nonspecific cerebrovascular accident and precerebral occlusion without infarction

DRG 524 – ICD-9 codes 435.0, 435.1, 435.2, 435.3, 435.8, 435.9, 437.1
Transient ischemia attack

Appendix B
Stroke Hospital Discharges (DRGs 14 and 15)
West Virginia Residents by County, 2001

County	Number of Discharges	Population	Rate per 10,000 Population	Rank
Barbour	45	15,507	29.0	31
Berkeley	121	81,262	14.9	53
Boone	91	25,554	35.6	19
Braxton	46	14,800	31.1	27
Brooke	74	25,179	29.4	30
Cabell	387	95,266	40.6	10
Calhoun	24	7,451	32.2	25
Clay	42	10,357	40.6	11
Doddridge	19	7,425	25.6	36
Fayette	228	47,129	48.4	4
Gilmer	38	6,986	54.4	2
Grant	31	11,368	27.3	32
Greenbrier	114	34,453	33.1	23
Hampshire	14	21,035	6.7	55
Hancock	123	32,082	38.3	14
Hardy	20	12,795	15.6	52
Harrison	280	67,856	41.3	9
Jackson	104	28,204	36.9	17
Jefferson	72	44,926	16.0	51
Kanawha	724	195,790	37.0	16
Lewis	118	16,690	70.7	1
Lincoln	78	22,256	35.0	20
Logan	167	37,004	45.1	6
McDowell	65	26,137	24.9	37
Marion	150	56,433	26.6	35
Marshall	112	34,898	32.1	26
Mason	112	26,004	43.1	8
Mercer	241	62,207	38.7	13
Mineral	45	27,087	16.6	50
Mingo	104	27,561	37.7	15
Monongalia	143	82,895	17.3	47
Monroe	26	14,613	17.8	45
Morgan	34	15,263	22.3	40
Nicholas	64	26,404	24.2	38
Ohio	203	43,126	44.0	7
Pendleton	14	7,911	17.7	46
Pleasants	13	7,579	17.2	49
Pocahontas	45	8,957	50.2	3
Preston	64	29,460	21.7	42
Putnam	126	52,230	24.1	39
Raleigh	376	78,899	47.7	5
Randolph	111	28,267	39.3	12
Ritchie	37	10,278	36.0	18
Roane	32	15,267	21.0	43
Summers	41	12,526	32.7	24
Taylor	14	16,059	8.7	54
Tucker	13	7,168	18.1	44
Tyler	25	9,399	26.6	34
Upshur	51	23,318	21.9	41
Wayne	73	42,382	17.2	48
Webster	30	9,697	30.9	28
Wetzel	47	17,363	27.1	33
Wirt	18	5,935	30.3	29
Wood	296	87,306	33.9	22
Wyoming	86	24,869	34.6	21
Unassigned	15			
WV Total	5,786	1,801,873	32.1	

Appendix C
Cerebrovascular Disease Mortality Rates* (I60-I69) by State
United States, 2000

State	Rate per 100,000 Population	Rank
Alabama	72.1	7
Alaska	66.0	15
Arizona	55.6	43
Arkansas	78.9	3
California	61.6	23
Colorado	58.3	36
Connecticut	51.2	45
Delaware	58.8	32
Florida	50.5	47
Georgia	76.5	5
Hawaii	60.3	29
Idaho	61.7	22
Illinois	60.6	27
Indiana	71.9	8
Iowa	58.8	32
Kansas	60.7	26
Kentucky	68.1	12
Louisiana	64.4	18
Maine	58.7	35
Maryland	63.2	19
Massachusetts	51.2	45
Michigan	60.5	28
Minnesota	56.2	40
Mississippi	75.7	6
Missouri	65.3	16
Montana	59.9	30
Nebraska	55.8	41
Nevada	58.0	37
New Hampshire	57.2	38
New Jersey	48.8	48
New Mexico	52.2	44
New York	40.4	50
North Carolina	78.8	4
North Dakota	55.7	42
Ohio	60.9	25
Oklahoma	69.8	10
Oregon	71.9	8
Pennsylvania	59.5	31
Rhode Island	45.0	49
South Carolina	82.6	1
South Dakota	61.9	21
Tennessee	80.4	2
Texas	66.9	14
Utah	65.2	17
Vermont	57.0	39
Virginia	67.9	13
Washington	68.8	11
West Virginia	61.4	24
Wisconsin	62.6	20
Wyoming	58.8	32
U.S. Rate	60.8	
Source: USDHHS, NCHS	*Age adjusted to the 2000 U.S. standard million.	

Appendix D Deaths Due to Cerebrovascular Disease (I60-I69) West Virginia Residents by County, 2001				
County	Number	Crude Rate	Adjusted Rate*	Rank
Barbour	12	77.1	61.9	25
Berkeley	42	55.3	73.2	13
Boone	22	86.2	84.5	7
Braxton	12	81.6	62.4	23
Brooke	23	90.4	64.9	20
Cabell	96	99.2	79.8	8
Calhoun	10	131.9	106.2	1
Clay	8	77.4	75.2	10
Doddridge	5	67.5	63.6	21
Fayette	37	77.8	61.3	26
Gilmer	3	41.9	37.4	49
Grant	4	35.4	29	52
Greenbrier	33	95.8	68.8	18
Hampshire	8	39.6	38.3	48
Hancock	34	104.1	77.5	9
Hardy	14	110.5	98.7	3
Harrison	56	81.6	61.1	27
Jackson	19	67.9	62.3	24
Jefferson	25	59.3	75.2	10
Kanawha	151	75.5	59.7	29
Lewis	16	94.6	70.4	15
Lincoln	18	81.4	87.2	6
Logan	15	39.8	41.4	44
McDowell	18	65.9	53.9	33
Marion	35	61.8	43.1	43
Marshall	20	56.3	48.2	41
Mason	8	30.8	28.7	53
Mercer	43	68.3	52.8	34
Mineral	15	55.4	48.8	40
Mingo	13	46	51.3	37
Monongalia	28	34.2	39.8	47
Monroe	7	48	40.5	45
Morgan	12	80.3	70.3	16
Nicholas	14	52.7	47.8	42
Ohio	51	107.5	73.5	12
Pendleton	8	97.6	70.1	17
Pleasants	3	39.9	33.1	50
Pocahontas	9	98.6	71.3	14
Preston	17	58	50.4	38
Putnam	22	42.6	51.7	35
Raleigh	56	70.7	59.6	30
Randolph	20	70.8	56.4	32
Ritchie	8	77.3	63.3	22
Roane	16	103.6	92.8	4
Summers	3	23.1	15.1	55
Taylor	10	62.2	49.6	39
Tucker	3	41	27.6	54
Tyler	7	73	59.3	31
Upshur	12	51.3	40.3	46
Wayne	40	93.2	91.6	5
Webster	12	123.5	103.2	2
Wetzel	14	79.1	65.9	19
Wirt	3	51.1	51.5	36
Wood	64	72.7	60.1	28
Wyoming	8	31.1	31.6	51

*Adjusted by age to the 2000 U.S. standard million from the 2000 Census populations for each county.