

Table 1. Virginia Counties and Independent Cities with Health District Label and FIPS Code

<b>County/City Name</b>	<b>Health District</b>	<b>County FIPS Code</b>
Accomack	Eastern Shore	001
Albemarle	Thomas Jefferson	003
Alexandria City	Alexandria	510
Alleghany	Southwest Region	005
Amelia	Piedmont	007
Amherst	Central Virginia	009
Appomattox	Central Virginia	011
Arlington	Arlington	013
Augusta	Central Shenandoah	015
Bath	Central Shenandoah	017
Bedford	Central Virginia	019
Bedford City	Central Virginia	515
Bland	Mount Rogers	021
Botetourt	Southwest Region	023
Bristol City	Mount Rogers	520
Brunswick	Southside	025
Buchanan	Cumberland Plateau	027
Buckingham	Piedmont	029
Buena Vista City	Central Shenandoah	530
Campbell	Central Virginia	031
Caroline	Rappahannock	033
Carroll	Mount Rogers	035
Charles City County	Hanover	036
Charlotte	Piedmont	037
Charlottesville City	Thomas Jefferson	540
Chesapeake City	Chesapeake	550
Chesterfield	Chesterfield	041
Clarke	Lord Fairfax	043
Clifton Forge City	Southwest Region	560
Colonial Heights Cit	Chesterfield	570
Covington City	Southwest Region	580
Craig	Southwest Region	045
Culpeper	Rappahannock Rapidan	047
Cumberland	Piedmont	049
Danville City	Pittsylvania/Danville	590
Dickenson	Cumberland Plateau	051

Dinwiddie	Crater	053
Emporia City	Crater	595
Essex	Three Rivers	057
Fairfax City	Fairfax	600
Fairfax County	Fairfax	059
Falls Church City	Fairfax	610
Fauquier	Rappahannock Rapidan	061
Floyd	New River	063
Fluvanna	Thomas Jefferson	065
Franklin City	Western Tidewater	620
Franklin County	West Piedmont	067
Frederick	Lord Fairfax	069
Fredericksburg City	Rappahannock	630
Galax City	Mount Rogers	640
Giles	New River	071
Gloucester	Three Rivers	073
Goochland	Hanover	075
Grayson	Mount Rogers	077
Greene	Thomas Jefferson	079
Greensville	Crater	081
Halifax	Southside	083
Hampton City	Hampton	650
Hanover	Hanover	085
Harrisonburg City	Central Shenandoah	660
Henrico	Henrico	087
Henry	West Piedmont	089
Highland	Central Shenandoah	091
Hopewell City	Crater	670
Isle Of Wight	Western Tidewater	093
James City County	Peninsula	095
King And Queen	Three Rivers	097
King George	Rappahannock	099
King William	Three Rivers	101
Lancaster	Three Rivers	103
Lee	Lenowisco	105
Lexington City	Central Shenandoah	678
Loudoun	Loudoun	107
Louisa	Thomas Jefferson	109
Lunenburg	Piedmont	111

Lynchburg City	Central Virginia	680
Madison	Rappahannock Rapidan	113
Manassas City	Prince William	683
Manassas Park City	Prince William	685
Martinsville City	West Piedmont	690
Mathews	Three Rivers	115
Mecklenburg	Southside	117
Middlesex	Three Rivers	119
Montgomery	New River	121
Nelson	Thomas Jefferson	125
New Kent	Hanover	127
Newport News City	Peninsula	700
Norfolk City	Norfolk	710
Northampton	Eastern Shore	131
Northumberland	Three Rivers	133
Norton City	Lenowisco	720
Nottoway	Piedmont	135
Orange	Rappahannock Rapidan	137
Page	Lord Fairfax	139
Patrick	West Piedmont	141
Petersburg City	Crater	730
Pittsylvania	Pittsylvania/Danville	143
Poquoson City	Peninsula	735
Portsmouth City	Portsmouth	740
Powhatan	Chesterfield	145
Prince Edward	Piedmont	147
Prince George	Crater	149
Prince William	Prince William	153
Pulaski	New River	155
Radford City	New River	750
Rappahannock	Rappahannock Rapidan	157
Richmond	Three Rivers	159
Richmond City	Richmond	760
Roanoke City	Roanoke	770
Roanoke County	Southwest Region	161
Rockbridge	Central Shenandoah	163
Rockingham	Central Shenandoah	165
Russell	Cumberland Plateau	167
Salem City	Southwest Region	775

Scott	Lenowisco	169
Shenandoah	Lord Fairfax	171
Smyth	Mount Rogers	173
Southampton	Western Tidewater	175
Spotsylvania	Rappahannock	177
Stafford	Rappahannock	179
Staunton City	Central Shenandoah	790
Suffolk City	Western Tidewater	800
Surry	Crater	181
Sussex	Crater	183
Tazewell	Cumberland Plateau	185
Virginia Beach City	Virginia Beach	810
Warren	Lord Fairfax	187
Washington	Mount Rogers	191
Waynesboro City	Central Shenandoah	820
Westmoreland	Three Rivers	193
Williamsburg	Peninsula	830
Winchester City	Lord Fairfax	840
Wise	Lenowisco	195
Wythe	Mount Rogers	197
York	Peninsula	199

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Table 2. Virginia's Health Districts and Constituent Counties and Independent Cities with FIPS Codes

<b>Health District</b>	<b>County/City Name</b>	<b>County FIPS Code</b>
Alexandria	Alexandria City	510
Arlington	Arlington	013
Central Shenandoah	Augusta	015
Central Shenandoah	Bath	017
Central Shenandoah	Buena Vista City	530
Central Shenandoah	Harrisonburg City	660
Central Shenandoah	Highland	091
Central Shenandoah	Lexington City	678
Central Shenandoah	Rockbridge	163
Central Shenandoah	Rockingham	165
Central Shenandoah	Staunton City	790
Central Shenandoah	Waynesboro City	820
Central Virginia	Amherst	009
Central Virginia	Appomattox	011
Central Virginia	Bedford	019
Central Virginia	Bedford City	515
Central Virginia	Campbell	031
Central Virginia	Lynchburg City	680
Chesapeake	Chesapeake City	550
Chesterfield	Chesterfield	041
Chesterfield	Colonial Heights Cit	570
Chesterfield	Powhatan	145
Crater	Dinwiddie	053
Crater	Emporia City	595
Crater	Greensville	081
Crater	Hopewell City	670
Crater	Petersburg City	730
Crater	Prince George	149
Crater	Surry	181
Crater	Sussex	183
Cumberland Plateau	Buchanan	027
Cumberland Plateau	Dickenson	051
Cumberland Plateau	Russell	167
Cumberland Plateau	Tazewell	185
Eastern Shore	Accomack	001

Eastern Shore	Northampton	131
Fairfax	Fairfax City	600
Fairfax	Fairfax County	059
Fairfax	Falls Church City	610
Hampton	Hampton City	650
Hanover	Charles City County	036
Hanover	Goochland	075
Hanover	Hanover	085
Hanover	New Kent	127
Henrico	Henrico	087
Lenowisco	Lee	105
Lenowisco	Norton City	720
Lenowisco	Scott	169
Lenowisco	Wise	195
Lord Fairfax	Clarke	043
Lord Fairfax	Frederick	069
Lord Fairfax	Page	139
Lord Fairfax	Shenandoah	171
Lord Fairfax	Warren	187
Lord Fairfax	Winchester City	840
Loudoun	Loudoun	107
Mount Rogers	Bland	021
Mount Rogers	Bristol City	520
Mount Rogers	Carroll	035
Mount Rogers	Galax City	640
Mount Rogers	Grayson	077
Mount Rogers	Smyth	173
Mount Rogers	Washington	191
Mount Rogers	Wythe	197
New River	Floyd	063
New River	Giles	071
New River	Montgomery	121
New River	Pulaski	155
New River	Radford City	750
Norfolk	Norfolk City	710
Peninsula	James City County	095
Peninsula	Newport News City	700
Peninsula	Poquoson City	735
Peninsula	Williamsburg	830

Peninsula	York	199
Piedmont	Amelia	007
Piedmont	Buckingham	029
Piedmont	Charlotte	037
Piedmont	Cumberland	049
Piedmont	Lunenburg	111
Piedmont	Nottoway	135
Piedmont	Prince Edward	147
Pittsylvania/Danville	Danville City	590
Pittsylvania/Danville	Pittsylvania	143
Portsmouth	Portsmouth City	740
Prince William	Manassas City	683
Prince William	Manassas Park City	685
Prince William	Prince William	153
Rappahannock	Caroline	033
Rappahannock	Fredericksburg City	630
Rappahannock	King George	099
Rappahannock	Spotsylvania	177
Rappahannock	Stafford	179
Rappahannock Rapidan	Culpeper	047
Rappahannock Rapidan	Fauquier	061
Rappahannock Rapidan	Madison	113
Rappahannock Rapidan	Orange	137
Rappahannock Rapidan	Rappahannock	157
Richmond	Richmond City	760
Roanoke	Roanoke City	770
Southside	Brunswick	025
Southside	Halifax	083
Southside	Mecklenburg	117
Southwest Region	Alleghany	005
Southwest Region	Botetourt	023
Southwest Region	Clifton Forge City	560
Southwest Region	Covington City	580
Southwest Region	Craig	045
Southwest Region	Roanoke County	161
Southwest Region	Salem City	775
Thomas Jefferson	Albemarle	003
Thomas Jefferson	Charlottesville City	540
Thomas Jefferson	Fluvanna	065

Thomas Jefferson	Greene	079
Thomas Jefferson	Louisa	109
Thomas Jefferson	Nelson	125
Three Rivers	Essex	057
Three Rivers	Gloucester	073
Three Rivers	King And Queen	097
Three Rivers	King William	101
Three Rivers	Lancaster	103
Three Rivers	Mathews	115
Three Rivers	Middlesex	119
Three Rivers	Northumberland	133
Three Rivers	Richmond	159
Three Rivers	Westmoreland	193
Virginia Beach	Virginia Beach City	810
West Piedmont	Franklin County	067
West Piedmont	Henry	089
West Piedmont	Martinsville City	690
West Piedmont	Patrick	141
Western Tidewater	Franklin City	620
Western Tidewater	Isle Of Wight	093
Western Tidewater	Southampton	175
Western Tidewater	Suffolk City	800

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Table 3. Hospital Discharges in Virginia with a Primary Diagnosis of Asthma, 1995-2001

Year	Virginia Asthma Discharges
1995	11,726
1996	10,621
1997	11,016
1998	9,711
1999	10,986
2000	9,919
2001	9,963

Table 4. Hospital Discharge Rates (Unadjusted) with a Primary Diagnosis of Asthma, 1995-2001

Year	Discharge Rate	Lower 95% CI	Upper 95% CI
1995	17.8	17.4	18.1
1996	15.9	15.6	16.2
1997	16.4	16.1	16.7
1998	14.3	14.0	14.6
1999	16.0	15.7	16.3
2000	14.0	13.8	14.3
2001	14.1	13.8	14.4

Population denominators for 1995-1999 are from yearly census estimates

Population denominators for 2000-2001 are from the 2000 decennial census

Table 5. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 1995-2001

Year	Age Group	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
1995	0 to 4	55.34	53.19	57.49
1995	5 to 9	28.29	26.75	29.84
1995	10 to 14	17.20	15.98	18.43
1995	15 to 19	10.08	9.14	11.03
1995	20 to 24	8.33	7.52	9.15
1995	25 to 34	9.74	9.16	10.32
1995	35 to 44	11.69	11.06	12.33
1995	45 to 54	15.07	14.24	15.91
1995	55 to 64	18.05	16.89	19.20
1995	65 to 74	22.40	20.98	23.82
1995	75+	24.07	22.34	25.80
1996	0 to 4	43.86	41.93	45.79
1996	5 to 9	25.30	23.85	26.75
1996	10 to 14	15.70	14.53	16.87
1996	15 to 19	9.90	8.98	10.82
1996	20 to 24	8.27	7.44	9.09
1996	25 to 34	9.04	8.48	9.60
1996	35 to 44	10.67	10.07	11.27
1996	45 to 54	13.63	12.85	14.41
1996	55 to 64	17.07	15.96	18.18
1996	65 to 74	20.91	19.54	22.28
1996	75+	23.34	21.66	25.01
1997	0 to 4	51.74	49.64	53.85
1997	5 to 9	29.13	27.59	30.68
1997	10 to 14	17.65	16.42	18.88
1997	15 to 19	9.23	8.35	10.11
1997	20 to 24	7.60	6.81	8.40
1997	25 to 34	8.42	7.88	8.97
1997	35 to 44	10.96	10.35	11.56
1997	45 to 54	13.54	12.78	14.31
1997	55 to 64	16.62	15.54	17.70
1997	65 to 74	18.30	17.01	19.59
1997	75+	21.14	19.58	22.71
1998	0 to 4	39.33	37.50	41.16
1998	5 to 9	21.16	19.85	22.47
1998	10 to 14	13.60	12.53	14.68
1998	15 to 19	7.57	6.78	8.36
1998	20 to 24	6.10	5.39	6.81
1998	25 to 34	8.13	7.59	8.67
1998	35 to 44	10.90	10.31	11.50
1998	45 to 54	12.99	12.25	13.74
1998	55 to 64	14.91	13.91	15.92
1998	65 to 74	19.00	17.69	20.31

1998	75+	20.87	19.33	22.41
1999	0 to 4	49.93	47.87	51.99
1999	5 to 9	26.48	25.01	27.95
1999	10 to 14	13.96	12.88	15.03
1999	15 to 19	7.92	7.12	8.72
1999	20 to 24	7.19	6.43	7.96
1999	25 to 34	8.23	7.68	8.78
1999	35 to 44	11.45	10.85	12.06
1999	45 to 54	12.95	12.22	13.68
1999	55 to 64	16.78	15.73	17.83
1999	65 to 74	19.51	18.19	20.83
1999	75+	24.90	23.24	26.57
2000	0 to 4	40.51	38.67	42.34
2000	5 to 9	19.93	18.68	21.17
2000	10 to 14	12.69	11.70	13.68
2000	15 to 19	7.06	6.31	7.81
2000	20 to 24	6.12	5.42	6.82
2000	25 to 34	7.39	6.86	7.91
2000	35 to 44	10.66	10.08	11.25
2000	45 to 54	12.83	12.13	13.53
2000	55 to 64	14.47	13.54	15.41
2000	65 to 74	17.33	16.08	18.57
2000	75+	22.72	21.16	24.28
2001	0 to 4	49.04	47.02	51.07
2001	5 to 9	19.56	18.33	20.80
2001	10 to 14	11.66	10.71	12.62
2001	15 to 19	7.08	6.33	7.83
2001	20 to 24	5.78	5.10	6.46
2001	25 to 34	6.57	6.07	7.06
2001	35 to 44	10.25	9.68	10.82
2001	45 to 54	12.16	11.48	12.84
2001	55 to 64	14.43	13.50	15.37
2001	65 to 74	16.26	15.06	17.47
2001	75+	22.56	21.00	24.11

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Population denominators for 1995-1999 are from yearly census estimates

Population denominators for 2000-2001 are from the 2000 decennial census

Table 6. Hospital Discharge Rates in Virginia for a Primary Diagnosis of Asthma by Race, 1995-2001

Year	Race	Discharge		
		Rate per 10,000	Lower 95% CI	Upper 95% CI
1995	Black	32.2	31.2	33.2
1996	Black	28.8	27.9	29.7
1997	Black	27.7	26.8	28.6
1998	Black	26.1	25.2	26.9
1999	Black	28.3	27.4	29.2
2000	Black	27.6	26.7	28.4
2001	Black	29.0	28.1	29.9
1995	Other	90.6	86.7	94.5
1996	Other	74.6	71.2	78.1
1997	Other	89.1	85.4	92.7
1998	Other	62.0	59.0	65.0
1999	Other	68.4	65.3	71.5
2000	Other	18.7	17.5	19.8
2001	Other	15.6	14.6	16.6
1995	White	10.8	10.5	11.0
1996	White	9.8	9.6	10.1
1997	White	9.9	9.6	10.1
1998	White	8.8	8.5	9.0
1999	White	9.9	9.6	10.2
2000	White	9.9	9.6	10.1
2001	White	9.9	9.6	10.2

Population denominators for 1995-1999 are from yearly census estimates

Population denominators for 2000-2001 are from the 2000 decennial census

Table 7. Hospital Discharge Rates in Virginia with a Primary Diagnosis of Asthma by Gender, 1995-2001

Year	Gender	Rate per 10,000	Lower 95% CI	Upper 95% CI
1995	Female	20.4	19.9	20.9
1996	Female	18.8	18.4	19.3
1997	Female	19.0	18.5	19.4
1998	Female	17.1	16.7	17.5
1999	Female	18.7	18.2	19.1
2000	Female	16.9	16.5	17.3
2001	Female	16.7	16.2	17.1
1995	Male	15.0	14.6	15.5
1996	Male	12.9	12.5	13.3
1997	Male	13.7	13.3	14.1
1998	Male	11.4	11.0	11.7
1999	Male	13.2	12.8	13.6
2000	Male	11.0	10.7	11.4
2001	Male	11.4	11.1	11.8

Population denominators for 1995-1999 are from yearly census estimates

Population denominators for 2000-2001 are from the 2000 decennial census

Table 8. Total Hospital Charges in Virginia for Discharges with a Primary Diagnosis of Asthma, 1995-2001

Year	Total Charges
1995	\$62,622,023
1996	\$56,925,126
1997	\$57,668,409
1998	\$54,019,547
1999	\$62,953,864
2000	\$60,516,394
2001	\$63,155,513

Table 9. Total Days of Hospitalization in Virginia for Discharges with a Primary Diagnosis of Asthma, 1995-2001

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Year	Total Days Hospitalized
1995	45,004
1996	38,793
1997	37,157
1998	33,505
1999	36,833
2000	32,948
2001	32,310

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Table 10. Average Length of Hospital Stay (Days)  
in Virginia for Discharges with a Primary  
Diagnosis of Asthma, 1995-2001

Year	Average Length of Stay in Days
1995	3.84
1996	3.65
1997	3.37
1998	3.45
1999	3.35
2000	3.32
2001	3.24

Table 11. Average Length of Hospital Stay in Virginia for Discharges with a Primary Diagnosis of Asthma by Age Group, 1995-2001

Year	Age Group	Average Length of Stay in Days
1995	0 to 4	2.4
1996	0 to 4	2.2
1997	0 to 4	2.2
1998	0 to 4	2.1
1999	0 to 4	2.0
2000	0 to 4	2.1
2001	0 to 4	2.0
1995	10 to 14	2.8
1996	10 to 14	2.7
1997	10 to 14	2.6
1998	10 to 14	2.6
1999	10 to 14	2.6
2000	10 to 14	2.6
2001	10 to 14	2.3
1995	15 to 19	2.8
1996	15 to 19	3.1
1997	15 to 19	2.6
1998	15 to 19	2.4
1999	15 to 19	2.7
2000	15 to 19	2.4
2001	15 to 19	2.6
1995	20 to 24	3.0
1996	20 to 24	2.9
1997	20 to 24	2.5
1998	20 to 24	2.6
1999	20 to 24	2.5
2000	20 to 24	2.4
2001	20 to 24	2.7
1995	25 to 34	3.4
1996	25 to 34	3.2
1997	25 to 34	3.0
1998	25 to 34	3.1
1999	25 to 34	3.1
2000	25 to 34	2.8
2001	25 to 34	2.9
1995	35 to 44	4.0
1996	35 to 44	3.8
1997	35 to 44	3.7
1998	35 to 44	3.5
1999	35 to 44	3.5
2000	35 to 44	3.4
2001	35 to 44	3.2
1995	45 to 54	4.8

1996	45 to 54	4.3
1997	45 to 54	4.2
1998	45 to 54	4.2
1999	45 to 54	4.1
2000	45 to 54	4.0
2001	45 to 54	3.9
1995	5 to 9	2.6
1996	5 to 9	2.5
1997	5 to 9	2.3
1998	5 to 9	2.3
1999	5 to 9	2.2
2000	5 to 9	2.1
2001	5 to 9	2.1
1995	55 to 64	5.5
1996	55 to 64	5.1
1997	55 to 64	4.7
1998	55 to 64	4.9
1999	55 to 64	4.4
2000	55 to 64	4.6
2001	55 to 64	4.8
1995	65 to 74	6.5
1996	65 to 74	5.6
1997	65 to 74	5.5
1998	65 to 74	5.0
1999	65 to 74	5.0
2000	65 to 74	5.3
2001	65 to 74	4.9
1995	75+	6.8
1996	75+	6.0
1997	75+	5.7
1998	75+	5.7
1999	75+	5.9
2000	75+	5.2
2001	75+	5.4

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Table 12. Hospital Discharges in Virginia Health Districts (ordered alphabetically) with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Alexandria	211	180	177	133	160	135	183
Alleghany	135	139	159	146	165	186	200
Arlington	176	154	145	102	159	135	133
Central Shenandoah	336	324	334	225	285	295	309
Central Virginia	373	355	406	457	514	431	396
Chesapeake	377	306	311	268	291	234	211
Chesterfield	675	565	556	427	510	496	487
Crater	569	479	538	526	568	460	476
Cumberland Plateau	398	389	324	270	239	259	292
Eastern Shore	138	145	131	120	130	117	97
Fairfax	844	790	779	767	756	689	751
Hampton	219	177	198	205	223	191	151
Hanover	158	158	149	162	185	187	179
Henrico	434	420	407	452	450	472	456
Lenowisco	246	201	220	158	169	110	145
Lord Fairfax	315	347	305	297	362	260	338
Loudoun	89	119	129	129	180	165	176
Mount Rogers	176	129	192	140	207	207	189
New River	189	166	233	175	215	184	167
Norfolk	613	564	476	398	408	334	344
Peninsula	493	412	417	411	409	370	375
Piedmont	255	282	248	245	288	241	241
Pittsylvania/Danville	205	196	173	174	216	195	214
Portsmouth	319	217	303	200	264	193	213
Prince William	402	367	467	448	506	431	482
Rappahannock	355	337	376	333	454	464	412
Rappahannock Rapidan	253	204	207	186	227	192	164
Richmond	863	830	875	631	769	766	755
Roanoke	207	155	168	193	212	203	204
Southside	273	264	243	202	249	187	187
Thomas Jefferson	394	349	373	325	302	299	316
Three Rivers	169	152	178	156	172	213	168
Virginia Beach	426	349	430	314	355	285	236
West Piedmont	175	152	140	156	163	150	176
Western Tidewater	266	248	249	180	224	183	140
<b>Total</b>	<b>11,726</b>	<b>10,621</b>	<b>11,016</b>	<b>9,711</b>	<b>10,986</b>	<b>9,919</b>	<b>9,963</b>

Table 13. Hospital Discharges in Virginia Health Districts (ordered by descending values for 2001) with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Richmond	863	830	875	631	769	766	755
Fairfax	844	790	779	767	756	689	751
Chesterfield	675	565	556	427	510	496	487
Prince William	402	367	467	448	506	431	482
Crater	569	479	538	526	568	460	476
Henrico	434	420	407	452	450	472	456
Rappahannock	355	337	376	333	454	464	412
Central Virginia	373	355	406	457	514	431	396
Peninsula	493	412	417	411	409	370	375
Norfolk	613	564	476	398	408	334	344
Lord Fairfax	315	347	305	297	362	260	338
Thomas Jefferson	394	349	373	325	302	299	316
Central Shenandoah	336	324	334	225	285	295	309
Cumberland Plateau	398	389	324	270	239	259	292
Piedmont	255	282	248	245	288	241	241
Virginia Beach	426	349	430	314	355	285	236
Pittsylvania/Danville	205	196	173	174	216	195	214
Portsmouth	319	217	303	200	264	193	213
Chesapeake	377	306	311	268	291	234	211
Roanoke	207	155	168	193	212	203	204
Alleghany	135	139	159	146	165	186	200
Mount Rogers	176	129	192	140	207	207	189
Southside	273	264	243	202	249	187	187
Alexandria	211	180	177	133	160	135	183
Hanover	158	158	149	162	185	187	179
Loudoun	89	119	129	129	180	165	176
West Piedmont	175	152	140	156	163	150	176
Three Rivers	169	152	178	156	172	213	168
New River	189	166	233	175	215	184	167
Rappahannock Rapidan	253	204	207	186	227	192	164
Hampton	219	177	198	205	223	191	151
Lenowisco	246	201	220	158	169	110	145
Western Tidewater	266	248	249	180	224	183	140
Arlington	176	154	145	102	159	135	133
Eastern Shore	138	145	131	120	130	117	97
<b>Total</b>	<b>11,726</b>	<b>10,621</b>	<b>11,016</b>	<b>9,711</b>	<b>10,986</b>	<b>9,919</b>	<b>9,963</b>

Table 14. Hospital Discharge Rate\* (Unadjusted) with a Primary Diagnosis of Asthma for Virginia Health Districts, 1995

Health District	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
Alexandria	18.60	16.09	21.11
Alleghany	8.39	6.98	9.81
Arlington	10.11	8.62	11.61
Central Shenandoah	14.19	12.67	15.71
Central Virginia	17.23	15.48	18.97
Chesapeake	20.11	18.08	22.14
Chesterfield	24.61	22.75	26.47
Crater	39.27	36.04	42.49
Cumberland Plateau	32.06	28.91	35.21
Eastern Shore	30.69	25.57	35.81
Fairfax	9.21	8.59	9.83
Hampton	15.80	13.71	17.90
Hanover	14.45	12.20	16.70
Henrico	18.32	16.59	20.04
Lenowisco	26.92	23.56	30.29
Lord Fairfax	18.28	16.27	20.30
Loudoun	7.66	6.07	9.26
Mount Rogers	9.63	8.21	11.05
New River	12.24	10.49	13.98
Norfolk	25.57	23.55	27.60
Peninsula	16.59	15.12	18.05
Piedmont	28.68	25.16	32.21
Pittsylvania/Danville	18.72	16.16	21.29
Portsmouth	31.31	27.87	34.74
Prince William	14.27	12.88	15.67
Rappahannock	16.75	15.01	18.49
Rappahannock Rapidan	20.12	17.64	22.59
Richmond	44.95	41.95	47.95
Roanoke	21.54	18.60	24.47
Southside	32.34	28.50	36.18
Thomas Jefferson	22.09	19.91	24.28
Three Rivers	13.38	11.36	15.40
Virginia Beach	9.94	9.00	10.89
West Piedmont	13.16	11.21	15.11
Western Tidewater	24.09	21.19	26.98

\*Population denominator is derived from 1995 county population estimates

Table 15. Hospital Discharge Rate\* (Unadjusted) with a Primary Diagnosis of Asthma for Virginia Health Districts, 1996

Health District	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
Alexandria	15.94	13.61	18.26
Alleghany	8.60	7.17	10.03
Arlington	8.87	7.47	10.27
Central Shenandoah	13.54	12.07	15.02
Central Virginia	16.27	14.58	17.96
Chesapeake	15.97	14.18	17.75
Chesterfield	20.23	18.56	21.90
Crater	33.09	30.13	36.06
Cumberland Plateau	31.61	28.47	34.75
Eastern Shore	32.24	26.99	37.48
Fairfax	8.48	7.89	9.07
Hampton	12.85	10.95	14.74
Hanover	14.04	11.85	16.23
Henrico	17.50	15.82	19.17
Lenowisco	22.17	19.10	25.23
Lord Fairfax	19.89	17.80	21.98
Loudoun	9.59	7.87	11.31
Mount Rogers	7.04	5.83	8.26
New River	10.75	9.11	12.38
Norfolk	23.66	21.71	25.61
Peninsula	13.87	12.53	15.21
Piedmont	31.21	27.57	34.86
Pittsylvania/Danville	17.95	15.44	20.46
Portsmouth	21.50	18.64	24.36
Prince William	12.65	11.36	13.95
Rappahannock	15.32	13.68	16.95
Rappahannock Rapidan	15.98	13.79	18.18
Richmond	43.77	40.80	46.75
Roanoke	16.23	13.68	18.79
Southside	31.21	27.44	34.97
Thomas Jefferson	19.25	17.23	21.27
Three Rivers	11.92	10.03	13.82
Virginia Beach	8.14	7.28	8.99
West Piedmont	11.40	9.59	13.21
Western Tidewater	21.86	19.14	24.58

\*Population denominator is derived from 1996 county population estimates

Table 16. Hospital Discharge Rate\* (Unadjusted) with a Primary Diagnosis of Asthma for Virginia Health Districts, 1997

Health District	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
Alexandria	15.57	13.28	17.86
Alleghany	9.81	8.29	11.34
Arlington	8.33	6.97	9.68
Central Shenandoah	13.87	12.38	15.35
Central Virginia	18.47	16.67	20.26
Chesapeake	15.87	14.10	17.63
Chesterfield	19.57	17.95	21.20
Crater	37.26	34.11	40.41
Cumberland Plateau	26.48	23.60	29.37
Eastern Shore	29.19	24.19	34.19
Fairfax	8.22	7.64	8.80
Hampton	14.26	12.27	16.25
Hanover	12.87	10.81	14.94
Henrico	16.87	15.23	18.51
Lenowisco	24.42	21.19	27.65
Lord Fairfax	17.27	15.33	19.21
Loudoun	9.61	7.96	11.27
Mount Rogers	10.48	8.99	11.96
New River	15.05	13.12	16.99
Norfolk	20.21	18.40	22.03
Peninsula	14.58	13.18	15.97
Piedmont	27.30	23.91	30.70
Pittsylvania/Danville	15.90	13.53	18.27
Portsmouth	30.48	27.05	33.91
Prince William	15.81	14.37	17.24
Rappahannock	16.65	14.97	18.33
Rappahannock Rapidan	15.93	13.76	18.10
Richmond	45.87	42.83	48.91
Roanoke	17.70	15.02	20.37
Southside	28.78	25.16	32.39
Thomas Jefferson	20.24	18.19	22.30
Three Rivers	13.82	11.79	15.85
Virginia Beach	9.97	9.03	10.92
West Piedmont	10.45	8.72	12.19
Western Tidewater	21.43	18.77	24.09

\*Population denominator is derived from 1997 county population estimates

Table 17. Hospital Discharge Rate\* (Unadjusted) with a Primary Diagnosis of Asthma for Virginia Health Districts, 1998

Health District	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
Alexandria	11.57	9.60	13.53
Alleghany	8.99	7.53	10.45
Arlington	5.84	4.71	6.98
Central Shenandoah	9.31	8.09	10.52
Central Virginia	20.70	18.80	22.59
Chesapeake	13.44	11.83	15.05
Chesterfield	14.82	13.42	16.23
Crater	36.32	33.21	39.42
Cumberland Plateau	22.24	19.59	24.89
Eastern Shore	26.68	21.91	31.46
Fairfax	8.00	7.44	8.57
Hampton	15.00	12.94	17.05
Hanover	13.53	11.45	15.61
Henrico	18.70	16.97	20.42
Lenowisco	17.62	14.87	20.36
Lord Fairfax	16.63	14.73	18.52
Loudoun	8.93	7.39	10.47
Mount Rogers	7.64	6.37	8.91
New River	11.21	9.55	12.87
Norfolk	17.52	15.80	19.25
Peninsula	13.53	12.22	14.83
Piedmont	26.75	23.40	30.10
Pittsylvania/Danville	16.07	13.69	18.46
Portsmouth	20.19	17.39	22.99
Prince William	14.79	13.42	16.16
Rappahannock	14.37	12.83	15.91
Rappahannock Rapidan	14.05	12.03	16.07
Richmond	33.04	30.46	35.61
Roanoke	20.58	17.67	23.48
Southside	23.72	20.45	26.99
Thomas Jefferson	17.31	15.42	19.19
Three Rivers	12.01	10.13	13.89
Virginia Beach	7.29	6.48	8.10
West Piedmont	11.63	9.80	13.45
Western Tidewater	15.27	13.04	17.50

\*Population denominator is derived from 1998 county population estimates

Table 18. Hospital Discharge Rate\* (Unadjusted) with a Primary Diagnosis of Asthma for Virginia Health Districts, 1999

Health District	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
Alexandria	13.63	11.52	15.74
Alleghany	10.15	8.60	11.70
Arlington	9.09	7.68	10.51
Central Shenandoah	11.73	10.37	13.09
Central Virginia	23.14	21.14	25.14
Chesapeake	14.35	12.70	16.00
Chesterfield	17.47	15.95	18.98
Crater	38.55	35.38	41.72
Cumberland Plateau	19.87	17.35	22.39
Eastern Shore	28.93	23.96	33.91
Fairfax	7.74	7.19	8.30
Hampton	16.25	14.12	18.39
Hanover	14.98	12.82	17.14
Henrico	18.39	16.69	20.09
Lenowisco	18.67	15.85	21.48
Lord Fairfax	20.02	17.96	22.09
Loudoun	11.52	9.83	13.20
Mount Rogers	11.30	9.76	12.84
New River	13.73	11.89	15.56
Norfolk	18.06	16.31	19.82
Peninsula	13.30	12.01	14.59
Piedmont	31.31	27.70	34.93
Pittsylvania/Danville	20.08	17.40	22.76
Portsmouth	26.86	23.62	30.09
Prince William	16.21	14.79	17.62
Rappahannock	18.99	17.24	20.73
Rappahannock Rapidan	16.84	14.65	19.03
Richmond	40.54	37.67	43.40
Roanoke	22.71	19.65	25.77
Southside	28.87	25.28	32.46
Thomas Jefferson	15.85	14.07	17.64
Three Rivers	13.11	11.15	15.07
Virginia Beach	8.19	7.34	9.04
West Piedmont	12.13	10.27	13.99
Western Tidewater	18.63	16.19	21.07

\*Population denominator is derived from 1999 county population estimates

Table 19. Hospital Discharge Rate\* (Unadjusted) with a Primary Diagnosis of Asthma for Virginia Health Districts, 2000

Health District	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
Alexandria	10.52	8.75	12.30
Alleghany	10.97	9.39	12.54
Arlington	7.13	5.92	8.33
Central Shenandoah	11.40	10.10	12.70
Central Virginia	18.85	17.07	20.63
Chesapeake	11.75	10.24	13.25
Chesterfield	16.58	15.12	18.04
Crater	30.62	27.82	33.42
Cumberland Plateau	21.90	19.23	24.56
Eastern Shore	22.76	18.64	26.89
Fairfax	6.88	6.37	7.39
Hampton	13.04	11.19	14.89
Hanover	15.13	12.96	17.30
Henrico	17.99	16.37	19.62
Lenowisco	12.09	9.83	14.34
Lord Fairfax	14.03	12.33	15.74
Loudoun	9.73	8.24	11.21
Mount Rogers	10.89	9.41	12.38
New River	11.14	9.53	12.75
Norfolk	14.25	12.72	15.78
Peninsula	12.50	11.22	13.77
Piedmont	24.82	21.69	27.95
Pittsylvania/Danville	17.70	15.22	20.19
Portsmouth	19.19	16.48	21.90
Prince William	13.21	11.96	14.46
Rappahannock	19.25	17.50	21.00
Rappahannock Rapidan	14.24	12.23	16.26
Richmond	38.73	35.99	41.47
Roanoke	21.39	18.45	24.33
Southside	21.21	18.17	24.25
Thomas Jefferson	14.98	13.28	16.67
Three Rivers	16.01	13.86	18.16
Virginia Beach	6.70	5.92	7.48
West Piedmont	10.71	9.00	12.43
Western Tidewater	15.35	13.12	17.57

\*Population denominator is derived from 2000 decennial census

Table 20. Hospital Discharge Rate\* (Unadjusted) with a Primary Diagnosis of Asthma for Virginia Health Districts, 2001

Health District	Discharge Rate per 10,000	Lower 95% CI	Upper 95% CI
Alexandria	14.27	12.20	16.33
Alleghany	11.79	10.16	13.42
Arlington	7.02	5.83	8.21
Central Shenandoah	11.94	10.61	13.27
Central Virginia	17.32	15.62	19.03
Chesapeake	10.59	9.16	12.02
Chesterfield	16.28	14.83	17.72
Crater	32.93	29.97	35.88
Cumberland Plateau	24.69	21.86	27.52
Eastern Shore	18.87	15.12	22.63
Fairfax	7.50	6.96	8.03
Hampton	10.31	8.67	11.96
Hanover	14.49	12.36	16.61
Henrico	17.38	15.79	18.98
Lenowisco	15.93	13.34	18.52
Lord Fairfax	18.24	16.30	20.19
Loudoun	10.38	8.84	11.91
Mount Rogers	9.95	8.53	11.36
New River	10.11	8.58	11.65
Norfolk	14.68	13.12	16.23
Peninsula	12.17	10.94	13.40
Piedmont	24.82	21.69	27.95
Pittsylvania/Danville	19.43	16.82	22.03
Portsmouth	21.18	18.34	24.02
Prince William	15.26	13.89	16.62
Rappahannock	17.09	15.44	18.74
Rappahannock Rapidan	12.17	10.31	14.03
Richmond	38.17	35.45	40.89
Roanoke	21.49	18.54	24.44
Southside	21.21	18.17	24.25
Thomas Jefferson	15.83	14.08	17.57
Three Rivers	12.63	10.72	14.54
Virginia Beach	5.55	4.84	6.26
West Piedmont	12.57	10.71	14.42
Western Tidewater	11.74	9.80	13.69

\*Population denominator is derived from 2000 decennial census

Table 21. Total Hospital Charges in Virginia Health Districts (ordered alphabetically) for Discharges with a Primary Diagnosis of Asthma 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Alexandria	\$1,450,152	\$1,129,686	\$919,103	\$775,592	\$1,062,983	\$1,111,305	\$1,542,403
Alleghany	\$775,823	\$941,277	\$729,653	\$957,725	\$881,859	\$973,631	\$1,222,847
Arlington	\$1,005,455	\$929,675	\$898,370	\$680,488	\$1,053,896	\$871,780	\$1,112,361
Central Shenandoah	\$1,451,499	\$1,208,335	\$1,055,186	\$668,005	\$829,819	\$879,569	\$1,357,709
Central Virginia	\$1,249,064	\$1,325,664	\$1,642,840	\$2,172,101	\$2,322,384	\$2,366,767	\$1,964,110
Chesapeake	\$1,770,745	\$1,385,030	\$1,608,457	\$1,376,478	\$1,602,078	\$1,222,130	\$1,158,613
Chesterfield	\$4,812,339	\$4,537,080	\$4,548,244	\$3,677,725	\$4,664,453	\$5,062,418	\$4,373,468
Crater	\$3,923,253	\$3,335,901	\$4,081,002	\$3,804,381	\$3,760,738	\$3,258,388	\$3,344,937
Cumberland Plateau	\$2,546,553	\$2,605,903	\$1,988,829	\$1,667,338	\$1,599,134	\$1,749,558	\$2,334,806
Eastern Shore	\$567,831	\$578,429	\$660,990	\$581,989	\$603,408	\$650,264	\$593,894
Fairfax	\$5,152,627	\$3,976,695	\$4,034,661	\$4,178,596	\$4,761,043	\$4,590,141	\$5,080,151
Hampton	\$884,023	\$791,851	\$1,185,795	\$1,198,243	\$1,373,237	\$1,089,333	\$953,941
Hanover	\$900,330	\$1,093,287	\$908,679	\$1,167,109	\$1,491,088	\$1,733,566	\$1,546,950
Henrico	\$2,626,119	\$2,493,225	\$2,340,885	\$2,979,550	\$2,924,252	\$3,583,931	\$3,464,097
Lenowisco	\$1,275,055	\$1,073,887	\$1,099,047	\$731,108	\$760,691	\$569,000	\$835,456
Lord Fairfax	\$1,242,102	\$1,415,904	\$1,133,649	\$1,247,629	\$1,496,377	\$1,171,741	\$1,578,293
Loudoun	\$413,846	\$681,122	\$630,345	\$845,655	\$1,037,023	\$986,861	\$940,245
Mount Rogers	\$697,606	\$620,368	\$898,610	\$817,180	\$1,080,266	\$1,128,521	\$1,010,128
New River	\$860,773	\$836,897	\$1,341,637	\$1,059,888	\$1,258,882	\$1,206,220	\$1,082,642
Norfolk	\$2,772,367	\$2,870,014	\$2,328,404	\$1,622,056	\$1,892,336	\$1,526,435	\$1,907,139
Peninsula	\$2,311,337	\$1,791,123	\$1,825,809	\$2,327,410	\$2,210,738	\$1,942,602	\$2,077,291
Piedmont	\$1,605,270	\$1,506,833	\$1,444,580	\$1,208,677	\$1,549,359	\$1,273,634	\$1,342,192
Pittsylvania/Danville	\$1,054,230	\$950,589	\$856,922	\$775,990	\$1,035,377	\$913,790	\$1,109,668
Portsmouth	\$1,550,252	\$949,745	\$1,265,821	\$831,661	\$1,108,268	\$833,411	\$1,062,283
Prince William	\$1,716,294	\$2,004,916	\$2,226,024	\$2,554,461	\$2,650,898	\$2,792,024	\$3,207,725
Rappahannock	\$2,466,903	\$1,986,201	\$1,873,156	\$1,559,994	\$2,270,783	\$2,365,727	\$2,329,433
Rappahannock Rapidan	\$1,076,794	\$885,844	\$1,006,093	\$962,124	\$1,133,494	\$1,027,108	\$832,809
Richmond	\$5,053,997	\$5,255,428	\$5,138,483	\$4,246,558	\$5,933,131	\$6,307,969	\$6,093,868
Roanoke	\$1,382,385	\$717,179	\$728,570	\$934,436	\$1,432,537	\$834,009	\$932,104
Southside	\$1,509,568	\$1,281,356	\$1,232,879	\$1,183,985	\$1,327,558	\$1,097,774	\$1,075,578
Thomas Jefferson	\$1,560,965	\$1,167,697	\$1,424,587	\$1,284,053	\$1,115,665	\$1,251,681	\$1,465,871
Three Rivers	\$881,082	\$836,062	\$854,238	\$1,001,137	\$993,097	\$1,025,039	\$1,015,932
Virginia Beach	\$2,010,954	\$1,532,302	\$1,862,068	\$1,380,401	\$1,699,470	\$1,433,524	\$1,312,877
West Piedmont	\$938,775	\$684,230	\$588,825	\$639,061	\$798,924	\$704,211	\$1,024,571
Western Tidewater	\$1,125,655	\$1,545,391	\$1,305,968	\$920,763	\$1,238,618	\$982,332	\$869,121

Table 22. Total Hospital Charges in Virginia Health Districts (ordered by descending values for 2001) for Discharges with a Primary Diagnosis of Asthma 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Richmond	\$5,053,997	\$5,255,428	\$5,138,483	\$4,246,558	\$5,933,131	\$6,307,969	\$6,093,868
Fairfax	\$5,152,627	\$3,976,695	\$4,034,661	\$4,178,596	\$4,761,043	\$4,590,141	\$5,080,151
Chesterfield	\$4,812,339	\$4,537,080	\$4,548,244	\$3,677,725	\$4,664,453	\$5,062,418	\$4,373,468
Henrico	\$2,626,119	\$2,493,225	\$2,340,885	\$2,979,550	\$2,924,252	\$3,583,931	\$3,464,097
Crater	\$3,923,253	\$3,335,901	\$4,081,002	\$3,804,381	\$3,760,738	\$3,258,388	\$3,344,937
Prince William	\$1,716,294	\$2,004,916	\$2,226,024	\$2,554,461	\$2,650,898	\$2,792,024	\$3,207,725
Cumberland Plateau	\$2,546,553	\$2,605,903	\$1,988,829	\$1,667,338	\$1,599,134	\$1,749,558	\$2,334,806
Rappahannock	\$2,466,903	\$1,986,201	\$1,873,156	\$1,559,994	\$2,270,783	\$2,365,727	\$2,329,433
Peninsula	\$2,311,337	\$1,791,123	\$1,825,809	\$2,327,410	\$2,210,738	\$1,942,602	\$2,077,291
Central Virginia	\$1,249,064	\$1,325,664	\$1,642,840	\$2,172,101	\$2,322,384	\$2,366,767	\$1,964,110
Norfolk	\$2,772,367	\$2,870,014	\$2,328,404	\$1,622,056	\$1,892,336	\$1,526,435	\$1,907,139
Lord Fairfax	\$1,242,102	\$1,415,904	\$1,133,649	\$1,247,629	\$1,496,377	\$1,171,741	\$1,578,293
Hanover	\$900,330	\$1,093,287	\$908,679	\$1,167,109	\$1,491,088	\$1,733,566	\$1,546,950
Alexandria	\$1,450,152	\$1,129,686	\$919,103	\$775,592	\$1,062,983	\$1,111,305	\$1,542,403
Thomas Jefferson	\$1,560,965	\$1,167,697	\$1,424,587	\$1,284,053	\$1,115,665	\$1,251,681	\$1,465,871
Central Shenandoah	\$1,451,499	\$1,208,335	\$1,055,186	\$668,005	\$829,819	\$879,569	\$1,357,709
Piedmont	\$1,605,270	\$1,506,833	\$1,444,580	\$1,208,677	\$1,549,359	\$1,273,634	\$1,342,192
Virginia Beach	\$2,010,954	\$1,532,302	\$1,862,068	\$1,380,401	\$1,699,470	\$1,433,524	\$1,312,877
Alleghany	\$775,823	\$941,277	\$729,653	\$957,725	\$881,859	\$973,631	\$1,222,847
Chesapeake	\$1,770,745	\$1,385,030	\$1,608,457	\$1,376,478	\$1,602,078	\$1,222,130	\$1,158,613
Arlington	\$1,005,455	\$929,675	\$898,370	\$680,488	\$1,053,896	\$871,780	\$1,112,361
Pittsylvania/Danville	\$1,054,230	\$950,589	\$856,922	\$775,990	\$1,035,377	\$913,790	\$1,109,668
New River	\$860,773	\$836,897	\$1,341,637	\$1,059,888	\$1,258,882	\$1,206,220	\$1,082,642
Southside	\$1,509,568	\$1,281,356	\$1,232,879	\$1,183,985	\$1,327,558	\$1,097,774	\$1,075,578
Portsmouth	\$1,550,252	\$949,745	\$1,265,821	\$831,661	\$1,108,268	\$833,411	\$1,062,283
West Piedmont	\$938,775	\$684,230	\$588,825	\$639,061	\$798,924	\$704,211	\$1,024,571
Three Rivers	\$881,082	\$836,062	\$854,238	\$1,001,137	\$993,097	\$1,025,039	\$1,015,932
Mount Rogers	\$697,606	\$620,368	\$898,610	\$817,180	\$1,080,266	\$1,128,521	\$1,010,128
Hampton	\$884,023	\$791,851	\$1,185,795	\$1,198,243	\$1,373,237	\$1,089,333	\$953,941
Loudoun	\$413,846	\$681,122	\$630,345	\$845,655	\$1,037,023	\$986,861	\$940,245
Roanoke	\$1,382,385	\$717,179	\$728,570	\$934,436	\$1,432,537	\$834,009	\$932,104
Western Tidewater	\$1,125,655	\$1,545,391	\$1,305,968	\$920,763	\$1,238,618	\$982,332	\$869,121
Lenowisco	\$1,275,055	\$1,073,887	\$1,099,047	\$731,108	\$760,691	\$569,000	\$835,456
Rappahannock Rapidan	\$1,076,794	\$885,844	\$1,006,093	\$962,124	\$1,133,494	\$1,027,108	\$832,809
Eastern Shore	\$567,831	\$578,429	\$660,990	\$581,989	\$603,408	\$650,264	\$593,894

Table 23. Average Cost per Hospitalization in Virginia Health Districts (ordered alphabetically) for Discharges with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Alexandria	\$6,873	\$6,276	\$5,193	\$5,832	\$6,644	\$8,232	\$8,428
Alleghany	\$5,747	\$6,772	\$4,589	\$6,560	\$5,345	\$5,235	\$6,114
Arlington	\$5,713	\$6,037	\$6,196	\$6,671	\$6,628	\$6,458	\$8,364
Central Shenandoah	\$4,320	\$3,729	\$3,159	\$2,969	\$2,912	\$2,982	\$4,394
Central Virginia	\$3,349	\$3,734	\$4,046	\$4,753	\$4,518	\$5,491	\$4,960
Chesapeake	\$4,697	\$4,526	\$5,172	\$5,136	\$5,505	\$5,223	\$5,491
Chesterfield	\$7,129	\$8,030	\$8,180	\$8,613	\$9,146	\$10,206	\$8,980
Crater	\$6,895	\$6,964	\$7,586	\$7,233	\$6,621	\$7,083	\$7,027
Cumberland Plateau	\$6,398	\$6,699	\$6,138	\$6,175	\$6,691	\$6,755	\$7,996
Eastern Shore	\$4,115	\$3,989	\$5,046	\$4,850	\$4,642	\$5,558	\$6,123
Fairfax	\$6,105	\$5,034	\$5,179	\$5,448	\$6,298	\$6,662	\$6,765
Hampton	\$4,037	\$4,474	\$5,989	\$5,845	\$6,158	\$5,703	\$6,317
Hanover	\$5,698	\$6,920	\$6,099	\$7,204	\$8,060	\$9,270	\$8,642
Henrico	\$6,051	\$5,936	\$5,752	\$6,592	\$6,498	\$7,593	\$7,597
Lenowisco	\$5,183	\$5,343	\$4,996	\$4,627	\$4,501	\$5,173	\$5,762
Lord Fairfax	\$3,943	\$4,080	\$3,717	\$4,201	\$4,134	\$4,507	\$4,670
Loudoun	\$4,650	\$5,724	\$4,886	\$6,555	\$5,761	\$5,981	\$5,342
Mount Rogers	\$3,964	\$4,809	\$4,680	\$5,837	\$5,219	\$5,452	\$5,345
New River	\$4,554	\$5,042	\$5,758	\$6,057	\$5,855	\$6,556	\$6,483
Norfolk	\$4,523	\$5,089	\$4,892	\$4,076	\$4,638	\$4,570	\$5,544
Peninsula	\$4,688	\$4,347	\$4,378	\$5,663	\$5,405	\$5,250	\$5,539
Piedmont	\$6,295	\$5,343	\$5,825	\$4,933	\$5,380	\$5,285	\$5,569
Pittsylvania/Danville	\$5,143	\$4,850	\$4,953	\$4,460	\$4,793	\$4,686	\$5,185
Portsmouth	\$4,860	\$4,377	\$4,178	\$4,158	\$4,198	\$4,318	\$4,987
Prince William	\$4,269	\$5,463	\$4,767	\$5,702	\$5,239	\$6,478	\$6,655
Rappahannock	\$6,949	\$5,894	\$4,982	\$4,685	\$5,002	\$5,099	\$5,654
Rappahannock Rapidan	\$4,256	\$4,342	\$4,860	\$5,173	\$4,993	\$5,350	\$5,078
Richmond	\$5,856	\$6,332	\$5,873	\$6,730	\$7,715	\$8,235	\$8,071
Roanoke	\$6,678	\$4,627	\$4,337	\$4,842	\$6,757	\$4,108	\$4,569
Southside	\$5,530	\$4,854	\$5,074	\$5,861	\$5,332	\$5,870	\$5,752
Thomas Jefferson	\$3,962	\$3,346	\$3,819	\$3,951	\$3,694	\$4,186	\$4,639
Three Rivers	\$5,214	\$5,500	\$4,799	\$6,418	\$5,774	\$4,812	\$6,047
Virginia Beach	\$4,721	\$4,391	\$4,330	\$4,396	\$4,787	\$5,030	\$5,563
West Piedmont	\$5,364	\$4,502	\$4,206	\$4,097	\$4,901	\$4,695	\$5,821
Western Tidewater	\$4,232	\$6,231	\$5,245	\$5,115	\$5,530	\$5,368	\$6,208

Table 24. Average Cost per Hospitalization in Virginia Health (ordered by descending values for 2001) Districts for Discharges with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Chesterfield	\$7,129	\$8,030	\$8,180	\$8,613	\$9,146	\$10,206	\$8,980
Hanover	\$5,698	\$6,920	\$6,099	\$7,204	\$8,060	\$9,270	\$8,642
Alexandria	\$6,873	\$6,276	\$5,193	\$5,832	\$6,644	\$8,232	\$8,428
Arlington	\$5,713	\$6,037	\$6,196	\$6,671	\$6,628	\$6,458	\$8,364
Richmond	\$5,856	\$6,332	\$5,873	\$6,730	\$7,715	\$8,235	\$8,071
Cumberland Plateau	\$6,398	\$6,699	\$6,138	\$6,175	\$6,691	\$6,755	\$7,996
Henrico	\$6,051	\$5,936	\$5,752	\$6,592	\$6,498	\$7,593	\$7,597
Crater	\$6,895	\$6,964	\$7,586	\$7,233	\$6,621	\$7,083	\$7,027
Fairfax	\$6,105	\$5,034	\$5,179	\$5,448	\$6,298	\$6,662	\$6,765
Prince William	\$4,269	\$5,463	\$4,767	\$5,702	\$5,239	\$6,478	\$6,655
New River	\$4,554	\$5,042	\$5,758	\$6,057	\$5,855	\$6,556	\$6,483
Hampton	\$4,037	\$4,474	\$5,989	\$5,845	\$6,158	\$5,703	\$6,317
Western Tidewater	\$4,232	\$6,231	\$5,245	\$5,115	\$5,530	\$5,368	\$6,208
Eastern Shore	\$4,115	\$3,989	\$5,046	\$4,850	\$4,642	\$5,558	\$6,123
Alleghany	\$5,747	\$6,772	\$4,589	\$6,560	\$5,345	\$5,235	\$6,114
Three Rivers	\$5,214	\$5,500	\$4,799	\$6,418	\$5,774	\$4,812	\$6,047
West Piedmont	\$5,364	\$4,502	\$4,206	\$4,097	\$4,901	\$4,695	\$5,821
Lenowisco	\$5,183	\$5,343	\$4,996	\$4,627	\$4,501	\$5,173	\$5,762
Southside	\$5,530	\$4,854	\$5,074	\$5,861	\$5,332	\$5,870	\$5,752
Rappahannock	\$6,949	\$5,894	\$4,982	\$4,685	\$5,002	\$5,099	\$5,654
Piedmont	\$6,295	\$5,343	\$5,825	\$4,933	\$5,380	\$5,285	\$5,569
Virginia Beach	\$4,721	\$4,391	\$4,330	\$4,396	\$4,787	\$5,030	\$5,563
Norfolk	\$4,523	\$5,089	\$4,892	\$4,076	\$4,638	\$4,570	\$5,544
Peninsula	\$4,688	\$4,347	\$4,378	\$5,663	\$5,405	\$5,250	\$5,539
Chesapeake	\$4,697	\$4,526	\$5,172	\$5,136	\$5,505	\$5,223	\$5,491
Mount Rogers	\$3,964	\$4,809	\$4,680	\$5,837	\$5,219	\$5,452	\$5,345
Loudoun	\$4,650	\$5,724	\$4,886	\$6,555	\$5,761	\$5,981	\$5,342
Pittsylvania/Danville	\$5,143	\$4,850	\$4,953	\$4,460	\$4,793	\$4,686	\$5,185
Rappahannock Rapidan	\$4,256	\$4,342	\$4,860	\$5,173	\$4,993	\$5,350	\$5,078
Portsmouth	\$4,860	\$4,377	\$4,178	\$4,158	\$4,198	\$4,318	\$4,987
Central Virginia	\$3,349	\$3,734	\$4,046	\$4,753	\$4,518	\$5,491	\$4,960
Lord Fairfax	\$3,943	\$4,080	\$3,717	\$4,201	\$4,134	\$4,507	\$4,670
Thomas Jefferson	\$3,962	\$3,346	\$3,819	\$3,951	\$3,694	\$4,186	\$4,639
Roanoke	\$6,678	\$4,627	\$4,337	\$4,842	\$6,757	\$4,108	\$4,569
Central Shenandoah	\$4,320	\$3,729	\$3,159	\$2,969	\$2,912	\$2,982	\$4,394

Table 25. Total Days of Hospitalization in Virginia Health Districts (ordered alphabetically) for Discharges with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Alexandria	862	665	583	494	620	567	729
Alleghany	689	875	594	560	570	666	720
Arlington	663	569	518	391	602	464	519
Central Shenandoah	1,188	1,052	910	569	781	856	897
Central Virginia	1,259	1,207	1,391	1,741	1,732	1,437	1,142
Chesapeake	1,527	1,161	1,277	1,120	1,246	975	761
Chesterfield	2,755	2,246	1,962	1,523	1,773	1,858	1,737
Crater	2,496	2,123	2,151	2,027	1,970	1,691	1,613
Cumberland Plateau	1,606	1,469	1,123	897	763	792	1,014
Eastern Shore	558	513	537	552	601	484	372
Fairfax	3,138	2,527	2,401	2,513	2,665	2,401	2,385
Hampton	867	657	750	746	815	619	466
Hanover	639	649	532	624	725	786	733
Henrico	1,688	1,566	1,469	1,653	1,503	1,684	1,624
Lenowisco	990	782	764	487	462	337	472
Lord Fairfax	1,159	1,368	1,047	1,083	1,225	873	1,052
Loudoun	262	369	383	442	601	551	502
Mount Rogers	763	600	765	645	846	815	705
New River	723	634	888	695	774	680	556
Norfolk	2,120	2,018	1,525	1,077	1,131	788	939
Peninsula	1,844	1,359	1,229	1,354	1,205	1,093	1,104
Piedmont	1,032	1,054	837	765	916	731	776
Pittsylvania/Danville	756	706	629	581	659	565	625
Portsmouth	1,189	667	943	594	725	479	520
Prince William	1,142	1,195	1,316	1,408	1,500	1,364	1,516
Rappahannock	1,544	1,185	1,172	1,086	1,529	1,494	1,277
Rappahannock Rapidan	839	638	670	581	664	588	481
Richmond	3,279	2,909	2,870	2,169	2,716	2,605	2,396
Roanoke	883	538	575	661	740	577	577
Southside	1,332	1,166	1,023	847	941	698	696
Thomas Jefferson	1,392	971	1,082	952	834	857	983
Three Rivers	697	635	592	615	655	616	591
Virginia Beach	1,539	1,169	1,324	912	1,074	869	741
West Piedmont	727	582	475	537	556	505	646
Western Tidewater	857	969	850	604	714	583	443

Table 26. Total Days of Hospitalization in Virginia Health Districts (ordered by descending values for 2001) for Discharges with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Richmond	3,279	2,909	2,870	2,169	2,716	2,605	2,396
Fairfax	3,138	2,527	2,401	2,513	2,665	2,401	2,385
Chesterfield	2,755	2,246	1,962	1,523	1,773	1,858	1,737
Henrico	1,688	1,566	1,469	1,653	1,503	1,684	1,624
Crater	2,496	2,123	2,151	2,027	1,970	1,691	1,613
Prince William	1,142	1,195	1,316	1,408	1,500	1,364	1,516
Rappahannock	1,544	1,185	1,172	1,086	1,529	1,494	1,277
Central Virginia	1,259	1,207	1,391	1,741	1,732	1,437	1,142
Peninsula	1,844	1,359	1,229	1,354	1,205	1,093	1,104
Lord Fairfax	1,159	1,368	1,047	1,083	1,225	873	1,052
Cumberland Plateau	1,606	1,469	1,123	897	763	792	1,014
Thomas Jefferson	1,392	971	1,082	952	834	857	983
Norfolk	2,120	2,018	1,525	1,077	1,131	788	939
Central Shenandoah	1,188	1,052	910	569	781	856	897
Piedmont	1,032	1,054	837	765	916	731	776
Chesapeake	1,527	1,161	1,277	1,120	1,246	975	761
Virginia Beach	1,539	1,169	1,324	912	1,074	869	741
Hanover	639	649	532	624	725	786	733
Alexandria	862	665	583	494	620	567	729
Alleghany	689	875	594	560	570	666	720
Mount Rogers	763	600	765	645	846	815	705
Southside	1,332	1,166	1,023	847	941	698	696
West Piedmont	727	582	475	537	556	505	646
Pittsylvania/Danville	756	706	629	581	659	565	625
Three Rivers	697	635	592	615	655	616	591
Roanoke	883	538	575	661	740	577	577
New River	723	634	888	695	774	680	556
Portsmouth	1,189	667	943	594	725	479	520
Arlington	663	569	518	391	602	464	519
Loudoun	262	369	383	442	601	551	502
Rappahannock Rapidan	839	638	670	581	664	588	481
Lenowisco	990	782	764	487	462	337	472
Hampton	867	657	750	746	815	619	466
Western Tidewater	857	969	850	604	714	583	443
Eastern Shore	558	513	537	552	601	484	372

Table 27. Average Length of Stay in Virginia Health Districts (ordered alphabetically) for Hospital Discharges with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Alexandria	4.09	3.69	3.29	3.71	3.88	4.20	3.98
Alleghany	5.10	6.29	3.74	3.84	3.45	3.58	3.60
Arlington	3.77	3.69	3.57	3.83	3.79	3.44	3.90
Central Shenandoah	3.54	3.25	2.72	2.53	2.74	2.90	2.90
Central Virginia	3.38	3.40	3.43	3.81	3.37	3.33	2.88
Chesapeake	4.05	3.79	4.11	4.18	4.28	4.17	3.61
Chesterfield	4.08	3.98	3.53	3.57	3.48	3.75	3.57
Crater	4.39	4.43	4.00	3.85	3.47	3.68	3.39
Cumberland Plateau	4.04	3.78	3.47	3.32	3.19	3.06	3.47
Eastern Shore	4.04	3.54	4.10	4.60	4.62	4.14	3.84
Fairfax	3.72	3.20	3.08	3.28	3.53	3.48	3.18
Hampton	3.96	3.71	3.79	3.64	3.65	3.24	3.09
Hanover	4.04	4.11	3.57	3.85	3.92	4.20	4.09
Henrico	3.89	3.73	3.61	3.66	3.34	3.57	3.56
Lenowisco	4.02	3.89	3.47	3.08	2.73	3.06	3.26
Lord Fairfax	3.68	3.94	3.43	3.65	3.38	3.36	3.11
Loudoun	2.94	3.10	2.97	3.43	3.34	3.34	2.85
Mount Rogers	4.34	4.65	3.98	4.61	4.09	3.94	3.73
New River	3.83	3.82	3.81	3.97	3.60	3.70	3.33
Norfolk	3.46	3.58	3.20	2.71	2.77	2.36	2.73
Peninsula	3.74	3.30	2.95	3.29	2.95	2.95	2.94
Piedmont	4.05	3.74	3.38	3.12	3.18	3.03	3.22
Pittsylvania/Danville	3.69	3.60	3.64	3.34	3.05	2.90	2.92
Portsmouth	3.73	3.07	3.11	2.97	2.75	2.48	2.44
Prince William	2.84	3.26	2.82	3.14	2.96	3.16	3.15
Rappahannock	4.35	3.52	3.12	3.26	3.37	3.22	3.10
Rappahannock Rapidan	3.32	3.13	3.24	3.12	2.93	3.06	2.93
Richmond	3.80	3.50	3.28	3.44	3.53	3.40	3.17
Roanoke	4.27	3.47	3.42	3.42	3.49	2.84	2.83
Southside	4.88	4.42	4.21	4.19	3.78	3.73	3.72
Thomas Jefferson	3.53	2.78	2.90	2.93	2.76	2.87	3.11
Three Rivers	4.12	4.18	3.33	3.94	3.81	2.89	3.52
Virginia Beach	3.61	3.35	3.08	2.90	3.03	3.05	3.14
West Piedmont	4.15	3.83	3.39	3.44	3.41	3.37	3.67
Western Tidewater	3.22	3.91	3.41	3.36	3.19	3.19	3.16

Table 28. Average Length of Stay in Virginia Health Districts (ordered by descending values for 2001) for Hospital Discharges with a Primary Diagnosis of Asthma, 1995-2001

Health District	1995	1996	1997	1998	1999	2000	2001
Hanover	4.04	4.11	3.57	3.85	3.92	4.20	4.09
Alexandria	4.09	3.69	3.29	3.71	3.88	4.20	3.98
Arlington	3.77	3.69	3.57	3.83	3.79	3.44	3.90
Eastern Shore	4.04	3.54	4.10	4.60	4.62	4.14	3.84
Mount Rogers	4.34	4.65	3.98	4.61	4.09	3.94	3.73
Southside	4.88	4.42	4.21	4.19	3.78	3.73	3.72
West Piedmont	4.15	3.83	3.39	3.44	3.41	3.37	3.67
Chesapeake	4.05	3.79	4.11	4.18	4.28	4.17	3.61
Alleghany	5.10	6.29	3.74	3.84	3.45	3.58	3.60
Chesterfield	4.08	3.98	3.53	3.57	3.48	3.75	3.57
Henrico	3.89	3.73	3.61	3.66	3.34	3.57	3.56
Three Rivers	4.12	4.18	3.33	3.94	3.81	2.89	3.52
Cumberland Plateau	4.04	3.78	3.47	3.32	3.19	3.06	3.47
Crater	4.39	4.43	4.00	3.85	3.47	3.68	3.39
New River	3.83	3.82	3.81	3.97	3.60	3.70	3.33
Lenowisco	4.02	3.89	3.47	3.08	2.73	3.06	3.26
Piedmont	4.05	3.74	3.38	3.12	3.18	3.03	3.22
Fairfax	3.72	3.20	3.08	3.28	3.53	3.48	3.18
Richmond	3.80	3.50	3.28	3.44	3.53	3.40	3.17
Western Tidewater	3.22	3.91	3.41	3.36	3.19	3.19	3.16
Prince William	2.84	3.26	2.82	3.14	2.96	3.16	3.15
Virginia Beach	3.61	3.35	3.08	2.90	3.03	3.05	3.14
Lord Fairfax	3.68	3.94	3.43	3.65	3.38	3.36	3.11
Thomas Jefferson	3.53	2.78	2.90	2.93	2.76	2.87	3.11
Rappahannock	4.35	3.52	3.12	3.26	3.37	3.22	3.10
Hampton	3.96	3.71	3.79	3.64	3.65	3.24	3.09
Peninsula	3.74	3.30	2.95	3.29	2.95	2.95	2.94
Rappahannock Rapidan	3.32	3.13	3.24	3.12	2.93	3.06	2.93
Pittsylvania/Danville	3.69	3.60	3.64	3.34	3.05	2.90	2.92
Central Shenandoah	3.54	3.25	2.72	2.53	2.74	2.90	2.90
Central Virginia	3.38	3.40	3.43	3.81	3.37	3.33	2.88
Loudoun	2.94	3.10	2.97	3.43	3.34	3.34	2.85
Roanoke	4.27	3.47	3.42	3.42	3.49	2.84	2.83
Norfolk	3.46	3.58	3.20	2.71	2.77	2.36	2.73
Portsmouth	3.73	3.07	3.11	2.97	2.75	2.48	2.44

Table 29. Asthma Hospital Discharge Data for Virginia's Counties and Independent Cities, 1995

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1995 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ACCOMACK	102	446	451,553	32,062	4.37	\$4,427	31.8	25.6	38.0	9.9
ALBEMARLE	158	544	542,190	75,744	3.44	\$3,432	20.9	17.6	24.1	8.0
ALEXANDRIA (CITY)	211	862	1,450,152	113,418	4.09	\$6,873	18.6	16.1	21.1	6.9
ALLEGHANY	6	11	22,051	12,258	1.83	\$3,675	4.9	1.0	8.8	40.8
AMELIA	34	106	165,467	9,674	3.12	\$4,867	35.1	23.3	47.0	17.1
AMHERST	52	225	209,221	29,625	4.33	\$4,023	17.6	12.8	22.3	13.9
APPOMATTOX	23	85	88,679	12,737	3.70	\$3,856	18.1	10.7	25.4	20.9
ARLINGTON	176	663	1,005,455	174,038	3.77	\$5,713	10.1	8.6	11.6	7.5
AUGUSTA	51	139	141,012	58,328	2.73	\$2,765	8.7	6.3	11.1	14.0
BATH	22	101	144,628	4,887	4.59	\$6,574	45.0	26.2	63.8	21.3
BEDFORD	43	141	165,605	53,527	3.28	\$3,851	8.0	5.6	10.4	15.2
BEDFORD (CITY)	14	37	50,383	6,288	2.64	\$3,599	22.3	10.6	33.9	26.7
BLAND	8	34	38,238	6,793	4.25	\$4,780	11.8	3.6	19.9	35.4
BOTETOURT	36	137	152,055	27,362	3.81	\$4,224	13.2	8.9	17.5	16.7
BRISTOL (CITY)	10	26	30,554	17,892	2.60	\$3,055	5.6	2.1	9.1	31.6
BRUNSWICK	63	287	358,744	16,291	4.56	\$5,694	38.7	29.1	48.2	12.6
BUCHANAN	157	596	824,523	30,440	3.80	\$5,252	51.6	43.5	59.6	8.0
BUCKINGHAM	48	166	192,447	14,253	3.46	\$4,009	33.7	24.1	43.2	14.4
BUENA VISTA (CITY)	20	56	76,163	6,575	2.80	\$3,808	30.4	17.1	43.7	22.4
CAMPBELL	68	230	237,220	49,337	3.38	\$3,489	13.8	10.5	17.1	12.1
CAROLINE	84	306	406,677	21,068	3.64	\$4,841	39.9	31.3	48.4	10.9
CARROLL	18	55	70,008	27,599	3.06	\$3,889	6.5	3.5	9.5	23.6
CHARLES CITY	15	62	92,462	6,764	4.13	\$6,164	22.2	11.0	33.4	25.8
CHARLOTTE	50	235	249,709	12,199	4.70	\$4,994	41.0	29.6	52.3	14.1
CHARLOTTESVILLE (CITY)	107	383	446,767	37,794	3.58	\$4,175	28.3	22.9	33.7	9.7
CHESAPEAKE (CITY)	377	1,527	1,770,745	187,469	4.05	\$4,697	20.1	18.1	22.1	5.2
CHESTERFIELD	552	2,328	4,110,534	238,932	4.22	\$7,447	23.1	21.2	25.0	4.3
CLARKE	14	51	49,749	12,419	3.64	\$3,554	11.3	5.4	17.2	26.7
CLIFTON FORGE (CITY)	4	31	30,379	4,416	7.75	\$7,595	9.1	0.2	17.9	50.0
COLONIAL HEIGHTS (CITY)	77	230	403,925	16,342	2.99	\$5,246	47.1	36.6	57.6	11.4
COVINGTON (CITY)	12	58	51,735	7,331	4.83	\$4,311	16.4	7.1	25.6	28.9
CRAIG	8	37	48,860	4,772	4.63	\$6,108	16.8	5.1	28.4	35.4

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1995 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
CULPEPER	90	296	388,307	31,462	3.29	\$4,315	28.6	22.7	34.5	10.5
CUMBERLAND	14	44	65,986	7,762	3.14	\$4,713	18.0	8.6	27.5	26.7
DANVILLE (CITY)	143	550	774,262	53,454	3.85	\$5,414	26.8	22.4	31.1	8.4
DICKENSON	65	219	308,400	17,567	3.37	\$4,745	37.0	28.0	46.0	12.4
DINWIDDIE	63	317	500,673	24,912	5.03	\$7,947	25.3	19.0	31.5	12.6
EMPORIA (CITY)	61	215	277,931	5,979	3.52	\$4,556	102.0	76.4	127.6	12.8
ESSEX	26	133	190,113	9,220	5.12	\$7,312	28.2	17.4	39.0	19.6
FAIRFAX	767	2,811	4,693,777	886,379	3.66	\$6,120	8.7	8.0	9.3	3.6
FAIRFAX (CITY)	63	263	380,499	20,591	4.17	\$6,040	30.6	23.0	38.2	12.6
FALLS CHURCH (CITY)	14	64	78,351	9,439	4.57	\$5,597	14.8	7.1	22.6	26.7
FAUQUIER	81	245	359,021	51,057	3.02	\$4,432	15.9	12.4	19.3	11.1
FLOYD	11	45	57,051	12,688	4.09	\$5,186	8.7	3.5	13.8	30.2
FLUVANNA	27	77	89,592	16,073	2.85	\$3,318	16.8	10.5	23.1	19.2
FRANKLIN	56	190	256,162	42,751	3.39	\$4,574	13.1	9.7	16.5	13.4
FRANKLIN (CITY)	35	73	93,415	8,273	2.09	\$2,669	42.3	28.3	56.3	16.9
FREDERICK	86	315	292,799	52,564	3.66	\$3,405	16.4	12.9	19.8	10.8
FREDERICKSBURG (CITY)	1	8	10,421	20,364	8.00	\$10,421	0.5	-0.5	1.5	100.0
GALAX (CITY)	19	81	81,628	6,703	4.26	\$4,296	28.3	15.6	41.1	22.9
GILES	15	42	62,152	16,319	2.80	\$4,143	9.2	4.5	13.8	25.8
GLOUCESTER	39	152	179,389	33,199	3.90	\$4,600	11.7	8.1	15.4	16.0
GOOCHLAND	23	78	125,127	16,344	3.39	\$5,440	14.1	8.3	19.8	20.9
GRAYSON	11	28	34,477	16,255	2.55	\$3,134	6.8	2.8	10.8	30.2
GREENE	15	43	38,082	12,628	2.87	\$2,539	11.9	5.9	17.9	25.8
GREENSVILLE	12	49	56,615	10,830	4.08	\$4,718	11.1	4.8	17.3	28.9
HALIFAX	105	493	528,775	37,357	4.70	\$5,036	28.1	22.7	33.5	9.8
HAMPTON (CITY)	219	867	884,023	138,575	3.96	\$4,037	15.8	13.7	17.9	6.8
HANOVER	101	429	582,550	74,586	4.25	\$5,768	13.5	10.9	16.2	10.0
HARRISONBURG (CITY)	43	165	196,301	32,683	3.84	\$4,565	13.2	9.2	17.1	15.2
HENRICO	434	1,688	2,626,119	236,936	3.89	\$6,051	18.3	16.6	20.0	4.8
HENRY	64	314	397,066	56,516	4.91	\$6,204	11.3	8.5	14.1	12.5
HIGHLAND	7	15	23,475	2,551	2.14	\$3,354	27.4	7.1	47.8	37.8
HOPEWELL (CITY)	130	452	687,270	22,950	3.48	\$5,287	56.6	46.9	66.4	8.8

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1995 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ISLE OF WIGHT	49	160	209,493	27,771	3.27	\$4,275	17.6	12.7	22.6	14.3
JAMES CITY	40	147	213,210	40,439	3.68	\$5,330	9.9	6.8	13.0	15.8
KING AND QUEEN	9	39	44,676	6,405	4.33	\$4,964	14.1	4.9	23.2	33.3
KING GEORGE	23	143	229,397	16,309	6.22	\$9,974	14.1	8.3	19.9	20.9
KING WILLIAM	16	73	108,086	12,131	4.56	\$6,755	13.2	6.7	19.7	25.0
LANCASTER	12	39	34,218	11,232	3.25	\$2,852	10.7	4.6	16.7	28.9
LEE	45	259	312,139	24,396	5.76	\$6,936	18.4	13.1	23.8	14.9
LEXINGTON (CITY)	10	32	42,635	7,132	3.20	\$4,264	14.0	5.3	22.7	31.6
LOUDOUN	89	262	413,846	116,140	2.94	\$4,650	7.7	6.1	9.3	10.6
LOUISA	55	210	299,742	22,780	3.82	\$5,450	24.1	17.8	30.5	13.5
LUNENBURG	22	96	134,102	11,184	4.36	\$6,096	19.7	11.5	27.9	21.3
LYNCHBURG (CITY)	173	541	497,956	65,027	3.13	\$2,878	26.6	22.6	30.6	7.6
MADISON	16	63	65,124	12,267	3.94	\$4,070	13.0	6.7	19.4	25.0
MANASSAS (CITY)	82	226	354,611	31,695	2.76	\$4,325	25.9	20.3	31.5	11.0
MANASSAS PARK (CITY)	42	130	174,834	7,250	3.10	\$4,163	57.9	40.4	75.5	15.4
MARTINSVILLE (CITY)	47	194	257,193	15,865	4.13	\$5,472	29.6	21.2	38.1	14.6
MATHEWS	9	38	39,522	8,819	4.22	\$4,391	10.2	3.5	16.9	33.3
MECKLENBURG	105	552	622,049	30,767	5.26	\$5,924	34.1	27.6	40.7	9.8
MIDDLESEX	11	46	43,620	9,291	4.18	\$3,965	11.8	4.8	18.8	30.2
MONTGOMERY	73	263	326,938	75,664	3.60	\$4,479	9.6	7.4	11.9	11.7
NELSON	32	135	144,592	13,306	4.22	\$4,519	24.0	15.7	32.4	17.7
NEW KENT	19	70	100,191	11,663	3.68	\$5,273	16.3	9.0	23.6	22.9
NEWPORT NEWS (CITY)	338	1,226	1,404,346	178,837	3.63	\$4,155	18.9	16.9	20.9	5.4
NORFOLK (CITY)	613	2,120	2,772,367	239,723	3.46	\$4,523	25.6	23.5	27.6	4.0
NORTHAMPTON	36	112	116,278	12,903	3.11	\$3,230	27.9	18.8	37.0	16.7
NORTHUMBERLAND	9	44	47,731	11,134	4.89	\$5,303	8.1	2.8	13.4	33.3
NORTON (CITY)	27	93	143,038	4,155	3.44	\$5,298	65.0	40.5	89.5	19.2
NOTTOWAY	42	258	655,917	15,204	6.14	\$15,617	27.6	19.3	36.0	15.4
ORANGE	42	153	168,249	23,893	3.64	\$4,006	17.6	12.3	22.9	15.4
PAGE	59	212	268,530	22,607	3.59	\$4,551	26.1	19.4	32.8	13.0
PATRICK	8	29	28,354	17,844	3.63	\$3,544	4.5	1.4	7.6	35.4
PETERSBURG (CITY)	216	1,131	1,860,654	35,663	5.24	\$8,614	60.6	52.5	68.6	6.8

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1995 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
PITTSYLVANIA	62	206	279,968	56,034	3.32	\$4,516	11.1	8.3	13.8	12.7
POQUOSON (CITY)	7	26	33,824	11,362	3.71	\$4,832	6.2	1.6	10.7	37.8
PORTSMOUTH (CITY)	319	1,189	1,550,252	101,892	3.73	\$4,860	31.3	27.9	34.7	5.6
POWHATAN	46	197	297,880	18,989	4.28	\$6,476	24.2	17.2	31.2	14.7
PRINCE EDWARD	45	127	141,642	18,621	2.82	\$3,148	24.2	17.1	31.2	14.9
PRINCE GEORGE	38	133	235,094	28,127	3.50	\$6,187	13.5	9.2	17.8	16.2
PRINCE WILLIAM	278	786	1,186,849	242,718	2.83	\$4,269	11.5	10.1	12.8	6.0
PULASKI	68	275	315,021	34,168	4.04	\$4,633	19.9	15.2	24.6	12.1
RADFORD (CITY)	22	98	99,611	15,608	4.45	\$4,528	14.1	8.2	20.0	21.3
RAPPAHANNOCK	24	82	96,093	7,094	3.42	\$4,004	33.8	20.3	47.4	20.4
RICHMOND	9	36	56,925	8,444	4.00	\$6,325	10.7	3.7	17.6	33.3
RICHMOND (CITY)	863	3,279	5,053,997	192,003	3.80	\$5,856	44.9	41.9	47.9	3.4
ROANOKE	30	158	166,112	80,762	5.27	\$5,537	3.7	2.4	5.0	18.3
ROANOKE (CITY)	207	883	1,382,385	96,121	4.27	\$6,678	21.5	18.6	24.5	7.0
ROCKBRIDGE	28	90	110,758	18,779	3.21	\$3,956	14.9	9.4	20.4	18.9
ROCKINGHAM	51	186	222,411	62,262	3.65	\$4,361	8.2	5.9	10.4	14.0
RUSSELL	104	406	702,806	29,099	3.90	\$6,758	35.7	28.9	42.6	9.8
SALEM (CITY)	39	257	304,631	23,928	6.59	\$7,811	16.3	11.2	21.4	16.0
SCOTT	5	15	23,849	23,020	3.00	\$4,770	2.2	0.3	4.1	44.7
SHENANDOAH	35	137	173,382	33,372	3.91	\$4,954	10.5	7.0	14.0	16.9
SMYTH	52	265	195,862	33,097	5.10	\$3,767	15.7	11.4	20.0	13.9
SOUTHAMPTON	36	129	121,176	17,816	3.58	\$3,366	20.2	13.6	26.8	16.7
SPOTSYLVANIA	125	645	1,087,051	73,929	5.16	\$8,696	16.9	13.9	19.9	8.9
STAFFORD	122	442	733,357	80,275	3.62	\$6,011	15.2	12.5	17.9	9.1
STAUNTON (CITY)	49	160	146,956	24,775	3.27	\$2,999	19.8	14.2	25.3	14.3
SUFFOLK (CITY)	146	495	701,571	56,576	3.39	\$4,805	25.8	21.6	30.0	8.3
SURRY	14	57	71,779	6,406	4.07	\$5,127	21.9	10.4	33.3	26.7
SUSSEX	35	142	233,237	10,039	4.06	\$6,664	34.9	23.3	46.4	16.9
TAZEWELL	72	385	710,824	47,044	5.35	\$9,873	15.3	11.8	18.8	11.8
VIRGINIA BEACH (CITY)	426	1,539	2,010,954	428,499	3.61	\$4,721	9.9	9.0	10.9	4.8
WARREN	46	156	189,534	29,179	3.39	\$4,120	15.8	11.2	20.3	14.7
WASHINGTON	37	206	180,708	48,289	5.57	\$4,884	7.7	5.2	10.1	16.4

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1995 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
WAYNESBORO (CITY)	55	244	347,160	18,813	4.44	\$6,312	29.2	21.5	37.0	13.5
WESTMORELAND	29	97	136,802	16,442	3.34	\$4,717	17.6	11.2	24.1	18.6
WILLIAMSBURG (CITY)	5	11	19,053	12,534	2.20	\$3,811	4.0	0.5	7.5	44.7
WINCHESTER (CITY)	75	288	268,108	22,135	3.84	\$3,575	33.9	26.2	41.6	11.5
WISE	169	623	796,029	39,806	3.69	\$4,710	42.5	36.1	48.9	7.7
WYTHE	21	68	66,131	26,162	3.24	\$3,149	8.0	4.6	11.5	21.8
YORK	103	434	640,904	54,076	4.21	\$6,222	19.0	15.4	22.7	9.9

Table 30. Asthma Hospital Discharge Data for Virginia's Counties and Independent Cities, 1996

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1996 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ACCOMACK	107	410	466,406	32,117	3.83	4,359	33.3	27.0	39.6	9.7
ALBEMARLE	142	415	477,603	76,935	2.92	3,363	18.5	15.4	21.5	8.4
ALEXANDRIA (CITY)	180	665	1,129,686	112,947	3.69	6,276	15.9	13.6	18.3	7.5
ALLEGHANY	10	29	43,604	12,200	2.90	4,360	8.2	3.1	13.3	31.6
AMELIA	35	144	248,633	9,887	4.11	7,104	35.4	23.7	47.1	16.9
AMHERST	44	193	213,717	29,858	4.39	4,857	14.7	10.4	19.1	15.1
APPOMATTOX	21	51	55,642	12,829	2.43	2,650	16.4	9.4	23.4	21.8
ARLINGTON	154	569	929,675	173,591	3.69	6,037	8.9	7.5	10.3	8.1
AUGUSTA	54	135	132,194	59,158	2.50	2,448	9.1	6.7	11.6	13.6
BATH	18	56	68,487	4,914	3.11	3,805	36.6	19.7	53.6	23.6
BEDFORD	41	157	182,580	55,022	3.83	4,453	7.5	5.2	9.7	15.6
BEDFORD (CITY)	31	80	102,798	6,231	2.58	3,316	49.8	32.2	67.3	18.0
BLAND	7	19	29,385	6,790	2.71	4,198	10.3	2.7	17.9	37.8
BOTETOURT	30	137	169,739	27,755	4.57	5,658	10.8	6.9	14.7	18.3
BRISTOL (CITY)	3	7	5,773	17,500	2.33	1,924	1.7	-0.2	3.7	57.7
BRUNSWICK	57	221	249,749	16,701	3.88	4,382	34.1	25.3	43.0	13.2
BUCHANAN	182	662	1,134,443	29,840	3.64	6,233	61.0	52.1	69.9	7.4
BUCKINGHAM	45	174	247,143	14,385	3.87	5,492	31.3	22.1	40.4	14.9
BUENA VISTA (CITY)	14	43	50,799	6,463	3.07	3,629	21.7	10.3	33.0	26.7
CAMPBELL	64	224	269,576	49,601	3.50	4,212	12.9	9.7	16.1	12.5
CAROLINE	72	265	458,392	21,439	3.68	6,367	33.6	25.8	41.3	11.8
CARROLL	13	47	53,551	27,759	3.62	4,119	4.7	2.1	7.2	27.7
CHARLES CITY	4	17	33,433	6,852	4.25	8,358	5.8	0.1	11.6	50.0
CHARLOTTE	49	196	223,713	12,137	4.00	4,566	40.4	29.1	51.7	14.3
CHARLOTTESVILLE (CITY)	85	219	252,802	37,609	2.58	2,974	22.6	17.8	27.4	10.8
CHESAPEAKE (CITY)	306	1,161	1,385,030	191,658	3.79	4,526	16.0	14.2	17.8	5.7
CHESTERFIELD	465	1,814	3,771,233	243,030	3.90	8,110	19.1	17.4	20.9	4.6
CLARKE	16	73	66,065	12,515	4.56	4,129	12.8	6.5	19.0	25.0
CLIFTON FORGE (CITY)	4	10	12,279	4,407	2.50	3,070	9.1	0.2	18.0	50.0
COLONIAL HEIGHTS (CITY)	52	254	412,188	16,354	4.88	7,927	31.8	23.2	40.4	13.9
COVINGTON (CITY)	21	109	131,329	7,200	5.19	6,254	29.2	16.7	41.6	21.8

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1996 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
CRAIG	6	44	55,408	4,833	7.33	9,235	12.4	2.5	22.3	40.8
CULPEPER	79	277	359,488	31,973	3.51	4,550	24.7	19.3	30.2	11.3
CUMBERLAND	24	80	126,929	7,843	3.33	5,289	30.6	18.4	42.8	20.4
DANVILLE (CITY)	140	505	679,363	52,867	3.61	4,853	26.5	22.1	30.9	8.5
DICKENSON	38	111	158,054	17,295	2.92	4,159	22.0	15.0	29.0	16.2
DINWIDDIE	44	209	305,676	25,117	4.75	6,947	17.5	12.3	22.7	15.1
EMPORIA (CITY)	48	210	298,392	5,925	4.38	6,217	81.0	58.1	103.9	14.4
ESSEX	22	66	85,620	9,280	3.00	3,892	23.7	13.8	33.6	21.3
FAIRFAX	733	2,280	3,536,637	901,092	3.11	4,825	8.1	7.5	8.7	3.7
FAIRFAX (CITY)	43	203	375,864	20,673	4.72	8,741	20.8	14.6	27.0	15.2
FALLS CHURCH (CITY)	14	44	64,194	9,558	3.14	4,585	14.6	7.0	22.3	26.7
FAUQUIER	67	187	302,583	51,573	2.79	4,516	13.0	9.9	16.1	12.2
FLOYD	21	81	125,716	12,846	3.86	5,986	16.3	9.4	23.3	21.8
FLUVANNA	34	84	94,885	16,881	2.47	2,791	20.1	13.4	26.9	17.1
FRANKLIN	36	118	150,972	43,367	3.28	4,194	8.3	5.6	11.0	16.7
FRANKLIN (CITY)	36	102	215,523	8,764	2.83	5,987	41.1	27.7	54.5	16.7
FREDERICK	107	421	360,006	53,758	3.93	3,365	19.9	16.1	23.7	9.7
FREDERICKSBURG (CITY)	47	144	243,089	20,284	3.06	5,172	23.2	16.5	29.8	14.6
GALAX (CITY)	14	72	63,008	6,688	5.14	4,501	20.9	10.0	31.9	26.7
GILES	13	28	35,111	16,272	2.15	2,701	8.0	3.6	12.3	27.7
GLOUCESTER	28	143	178,417	33,629	5.11	6,372	8.3	5.2	11.4	18.9
GOOCHLAND	35	135	275,480	16,780	3.86	7,871	20.9	13.9	27.8	16.9
GRAYSON	16	61	58,459	16,346	3.81	3,654	9.8	5.0	14.6	25.0
GREENE	30	72	79,904	12,957	2.40	2,663	23.2	14.9	31.4	18.3
GREENSVILLE	15	59	80,397	11,079	3.93	5,360	13.5	6.7	20.4	25.8
HALIFAX	104	491	532,992	37,118	4.72	5,125	28.0	22.6	33.4	9.8
HAMPTON (CITY)	177	657	791,851	137,795	3.71	4,474	12.8	11.0	14.7	7.5
HANOVER	103	449	716,167	76,823	4.36	6,953	13.4	10.8	16.0	9.9
HARRISONBURG (CITY)	46	179	221,579	33,278	3.89	4,817	13.8	9.8	17.8	14.7
HENRICO	420	1,566	2,493,225	240,056	3.73	5,936	17.5	15.8	19.2	4.9
HENRY	58	235	270,226	56,174	4.05	4,659	10.3	7.7	13.0	13.1
HIGHLAND	9	53	54,586	2,542	5.89	6,065	35.4	12.3	58.5	33.3

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1996 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
HOPEWELL (CITY)	86	320	398,700	22,725	3.72	4,636	37.8	29.8	45.8	10.8
ISLE OF WIGHT	34	113	185,180	28,260	3.32	5,446	12.0	8.0	16.1	17.1
JAMES CITY	47	156	214,073	42,040	3.32	4,555	11.2	8.0	14.4	14.6
KING AND QUEEN	10	46	49,458	6,381	4.60	4,946	15.7	6.0	25.4	31.6
KING GEORGE	25	102	137,025	16,329	4.08	5,481	15.3	9.3	21.3	20.0
KING WILLIAM	15	61	91,554	12,308	4.07	6,104	12.2	6.0	18.4	25.8
LANCASTER	23	92	109,335	11,311	4.00	4,754	20.3	12.0	28.6	20.9
LEE	55	289	397,170	24,162	5.25	7,221	22.8	16.7	28.8	13.5
LEXINGTON (CITY)	16	35	43,149	7,080	2.19	2,697	22.6	11.5	33.7	25.0
LOUDOUN	119	369	681,122	124,114	3.10	5,724	9.6	7.9	11.3	9.2
LOUISA	28	88	157,886	23,343	3.14	5,639	12.0	7.6	16.4	18.9
LUNENBURG	28	147	198,780	12,201	5.25	7,099	22.9	14.4	31.4	18.9
LYNCHBURG (CITY)	154	502	501,351	64,643	3.26	3,256	23.8	20.1	27.6	8.1
MADISON	14	58	57,182	12,347	4.14	4,084	11.3	5.4	17.3	26.7
MANASSAS (CITY)	87	249	440,377	31,831	2.86	5,062	27.3	21.6	33.1	10.7
MANASSAS PARK (CITY)	45	155	242,218	7,347	3.44	5,383	61.2	43.4	79.1	14.9
MARTINSVILLE (CITY)	47	191	218,277	15,705	4.06	4,644	29.9	21.4	38.5	14.6
MATHEWS	9	57	96,211	9,025	6.33	10,690	10.0	3.5	16.5	33.3
MECKLENBURG	103	454	498,615	30,778	4.41	4,841	33.5	27.0	39.9	9.9
MIDDLESEX	8	38	43,029	9,378	4.75	5,379	8.5	2.6	14.4	35.4
MONTGOMERY	52	188	269,487	75,795	3.62	5,182	6.9	5.0	8.7	13.9
NELSON	30	93	104,617	13,600	3.10	3,487	22.1	14.2	30.0	18.3
NEW KENT	16	48	68,207	12,048	3.00	4,263	13.3	6.8	19.8	25.0
NEWPORT NEWS (CITY)	314	1,024	1,339,341	175,720	3.26	4,265	17.9	15.9	19.8	5.6
NORFOLK (CITY)	564	2,018	2,870,014	238,360	3.58	5,089	23.7	21.7	25.6	4.2
NORTHAMPTON	38	103	112,023	12,863	2.71	2,948	29.5	20.1	38.9	16.2
NORTHUMBERLAND	13	59	81,455	11,271	4.54	6,266	11.5	5.3	17.8	27.7
NORTON (CITY)	17	51	76,563	4,114	3.00	4,504	41.3	21.7	61.0	24.3
NOTTOWAY	41	146	274,141	15,176	3.56	6,686	27.0	18.7	35.3	15.6
ORANGE	36	96	141,234	24,563	2.67	3,923	14.7	9.9	19.4	16.7
PAGE	69	350	456,951	22,812	5.07	6,622	30.2	23.1	37.4	12.0
PATRICK	11	38	44,755	18,070	3.45	4,069	6.1	2.5	9.7	30.2

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1996 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
PETERSBURG (CITY)	215	1,041	1,827,273	35,273	4.84	8,499	61.0	52.8	69.1	6.8
PITTSYLVANIA	56	201	271,226	56,318	3.59	4,843	9.9	7.3	12.5	13.4
POQUOSON (CITY)	6	9	15,576	11,421	1.50	2,596	5.3	1.0	9.5	40.8
PORTSMOUTH (CITY)	217	667	949,745	100,930	3.07	4,377	21.5	18.6	24.4	6.8
POWHATAN	48	178	353,659	19,882	3.71	7,368	24.1	17.3	31.0	14.4
PRINCE EDWARD	60	167	187,494	18,716	2.78	3,125	32.1	23.9	40.2	12.9
PRINCE GEORGE	38	153	239,891	28,248	4.03	6,313	13.5	9.2	17.7	16.2
PRINCE WILLIAM	235	791	1,322,321	250,892	3.37	5,627	9.4	8.2	10.6	6.5
PULASKI	65	286	347,484	34,278	4.40	5,346	19.0	14.4	23.6	12.4
RADFORD (CITY)	15	51	59,099	15,276	3.40	3,940	9.8	4.9	14.8	25.8
RAPPAHANNOCK	8	20	25,357	7,164	2.50	3,170	11.2	3.4	18.9	35.4
RICHMOND	9	32	46,432	8,550	3.56	5,159	10.5	3.6	17.4	33.3
RICHMOND (CITY)	830	2,909	5,255,428	189,608	3.50	6,332	43.8	40.8	46.8	3.5
ROANOKE	30	117	131,357	81,084	3.90	4,379	3.7	2.4	5.0	18.3
ROANOKE (CITY)	155	538	717,179	95,479	3.47	4,627	16.2	13.7	18.8	8.0
ROCKBRIDGE	15	61	66,841	18,934	4.07	4,456	7.9	3.9	11.9	25.8
ROCKINGHAM	62	226	299,645	63,217	3.65	4,833	9.8	7.4	12.2	12.7
RUSSELL	86	394	701,813	29,028	4.58	8,161	29.6	23.4	35.9	10.8
SALEM (CITY)	38	429	397,561	24,148	11.29	10,462	15.7	10.7	20.7	16.2
SCOTT	3	6	7,441	22,846	2.00	2,480	1.3	-0.2	2.8	57.7
SHENANDOAH	25	91	102,222	33,472	3.64	4,089	7.5	4.5	10.4	20.0
SMYTH	43	250	246,425	32,947	5.81	5,731	13.1	9.2	17.0	15.2
SOUTHAMPTON	36	141	155,570	17,600	3.92	4,321	20.5	13.8	27.1	16.7
SPOTSYLVANIA	100	348	580,804	77,561	3.48	5,808	12.9	10.4	15.4	10.0
STAFFORD	93	326	566,891	84,382	3.51	6,096	11.0	8.8	13.3	10.4
STAUNTON (CITY)	38	91	93,862	24,577	2.39	2,470	15.5	10.5	20.4	16.2
SUFFOLK (CITY)	142	613	989,118	58,815	4.32	6,966	24.1	20.2	28.1	8.4
SURRY	14	48	73,431	6,354	3.43	5,245	22.0	10.5	33.6	26.7
SUSSEX	19	83	112,141	10,025	4.37	5,902	19.0	10.4	27.5	22.9
TAZEWELL	83	302	611,593	46,906	3.64	7,369	17.7	13.9	21.5	11.0
VIRGINIA BEACH (CITY)	349	1,169	1,532,302	428,882	3.35	4,391	8.1	7.3	9.0	5.4
WARREN	57	191	200,664	29,845	3.35	3,520	19.1	14.1	24.1	13.2

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1996 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
WASHINGTON	19	75	93,345	48,878	3.95	4,913	3.9	2.1	5.6	22.9
WAYNESBORO (CITY)	52	173	177,193	19,091	3.33	3,408	27.2	19.8	34.6	13.9
WESTMORELAND	15	41	54,551	16,380	2.73	3,637	9.2	4.5	13.8	25.8
WILLIAMSBURG (CITY)	1	3	3,579	12,241	3.00	3,579	0.8	-0.8	2.4	100.0
WINCHESTER (CITY)	73	242	229,996	22,066	3.32	3,151	33.1	25.5	40.7	11.7
WISE	126	436	592,713	39,555	3.46	4,704	31.9	26.3	37.4	8.9
WYTHE	14	69	70,422	26,231	4.93	5,030	5.3	2.5	8.1	26.7
YORK	44	167	218,554	55,541	3.80	4,967	7.9	5.6	10.3	15.1

Table 31. Asthma Hospital Discharge Data for Virginia's Counties and Independent Cities, 1997

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1997 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ACCOMACK	99	425	516,569	32,101	4.29	5,218	30.8	24.8	36.9	10.1
ALBEMARLE	128	333	370,803	77,615	2.60	2,897	16.5	13.6	19.3	8.8
ALEXANDRIA (CITY)	177	583	919,103	113,688	3.29	5,193	15.6	13.3	17.9	7.5
ALLEGHANY	6	26	30,715	12,208	4.33	5,119	4.9	1.0	8.8	40.8
AMELIA	21	123	342,848	10,210	5.86	16,326	20.6	11.8	29.4	21.8
AMHERST	38	146	208,746	29,924	3.84	5,493	12.7	8.7	16.7	16.2
APPOMATTOX	41	141	167,214	12,975	3.44	4,078	31.6	21.9	41.3	15.6
ARLINGTON	145	518	898,370	174,130	3.57	6,196	8.3	7.0	9.7	8.3
AUGUSTA	60	168	214,368	59,708	2.80	3,573	10.0	7.5	12.6	12.9
BATH	12	32	38,214	4,871	2.67	3,185	24.6	10.7	38.6	28.9
BEDFORD	40	158	192,433	55,521	3.95	4,811	7.2	5.0	9.4	15.8
BEDFORD (CITY)	28	57	79,656	6,282	2.04	2,845	44.6	28.1	61.1	18.9
BLAND	11	49	71,996	6,811	4.45	6,545	16.2	6.6	25.7	30.2
BOTETOURT	37	127	167,849	28,242	3.43	4,536	13.1	8.9	17.3	16.4
BRISTOL (CITY)	9	27	30,638	17,190	3.00	3,404	5.2	1.8	8.7	33.3
BRUNSWICK	45	165	190,882	16,652	3.67	4,242	27.0	19.1	34.9	14.9
BUCHANAN	122	388	639,355	29,354	3.18	5,241	41.6	34.2	48.9	9.1
BUCKINGHAM	40	117	199,268	14,578	2.93	4,982	27.4	18.9	35.9	15.8
BUENA VISTA (CITY)	18	42	53,228	6,537	2.33	2,957	27.5	14.8	40.3	23.6
CAMPBELL	79	269	303,841	50,024	3.41	3,846	15.8	12.3	19.3	11.3
CAROLINE	77	242	377,048	21,682	3.14	4,897	35.5	27.6	43.4	11.4
CARROLL	20	67	78,905	27,842	3.35	3,945	7.2	4.0	10.3	22.4
CHARLES CITY	8	33	53,353	6,946	4.13	6,669	11.5	3.5	19.5	35.4
CHARLOTTE	46	157	179,965	12,183	3.41	3,912	37.8	26.8	48.7	14.7
CHARLOTTESVILLE (CITY)	101	294	381,900	37,830	2.91	3,781	26.7	21.5	31.9	10.0
CHESAPEAKE (CITY)	311	1,277	1,608,457	195,990	4.11	5,172	15.9	14.1	17.6	5.7
CHESTERFIELD	450	1,568	3,660,144	247,155	3.48	8,134	18.2	16.5	19.9	4.7
CLARKE	12	81	123,135	12,729	6.75	10,261	9.4	4.1	14.8	28.9
CLIFTON FORGE (CITY)	12	53	62,450	4,346	4.42	5,204	27.6	12.0	43.2	28.9
COLONIAL HEIGHTS (CITY)	60	201	384,597	16,324	3.35	6,410	36.8	27.5	46.1	12.9

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1997 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
COVINGTON (CITY)	17	95	102,978	7,062	5.59	6,058	24.1	12.6	35.5	24.3
CRAIG	7	12	21,652	4,872	1.71	3,093	14.4	3.7	25.0	37.8
CULPEPER	60	173	261,117	32,452	2.88	4,352	18.5	13.8	23.2	12.9
CUMBERLAND	15	31	55,042	7,784	2.07	3,669	19.3	9.5	29.0	25.8
DANVILLE (CITY)	118	425	546,269	52,467	3.60	4,629	22.5	18.4	26.5	9.2
DICKENSON	60	231	349,817	17,163	3.85	5,830	35.0	26.1	43.8	12.9
DINWIDDIE	41	126	207,437	25,010	3.07	5,059	16.4	11.4	21.4	15.6
EMPORIA (CITY)	51	156	216,655	5,890	3.06	4,248	86.6	62.8	110.4	14.0
ESSEX	22	67	96,002	9,191	3.05	4,364	23.9	13.9	33.9	21.3
FAIRFAX	737	2,261	3,837,188	917,488	3.07	5,206	8.0	7.5	8.6	3.7
FAIRFAX (CITY)	34	115	167,444	20,523	3.38	4,925	16.6	11.0	22.1	17.1
FALLS CHURCH (CITY)	8	25	30,029	9,530	3.13	3,754	8.4	2.6	14.2	35.4
FAUQUIER	76	219	357,505	52,881	2.88	4,704	14.4	11.1	17.6	11.5
FLOYD	14	46	68,914	13,000	3.29	4,922	10.8	5.1	16.4	26.7
FLUVANNA	43	113	146,608	17,821	2.63	3,409	24.1	16.9	31.3	15.2
FRANKLIN	42	127	175,782	43,973	3.02	4,185	9.6	6.7	12.4	15.4
FRANKLIN (CITY)	31	105	201,038	8,800	3.39	6,485	35.2	22.8	47.6	18.0
FREDERICK	85	298	281,663	54,530	3.51	3,314	15.6	12.3	18.9	10.8
FREDERICKSBURG (CITY)	54	192	271,602	20,955	3.56	5,030	25.8	18.9	32.6	13.6
GALAX (CITY)	36	149	179,811	6,679	4.14	4,995	53.9	36.3	71.5	16.7
GILES	27	89	131,003	16,156	3.30	4,852	16.7	10.4	23.0	19.2
GLOUCESTER	39	147	206,988	34,369	3.77	5,307	11.3	7.8	14.9	16.0
GOOCHLAND	33	106	185,299	17,046	3.21	5,615	19.4	12.8	26.0	17.4
GRAYSON	8	28	35,234	16,407	3.50	4,404	4.9	1.5	8.3	35.4
GREENE	28	101	138,365	13,390	3.61	4,942	20.9	13.2	28.7	18.9
GREENSVILLE	9	39	51,134	11,030	4.33	5,682	8.2	2.8	13.5	33.3
HALIFAX	104	484	598,245	36,819	4.65	5,752	28.2	22.8	33.7	9.8
HAMPTON (CITY)	198	750	1,185,795	138,846	3.79	5,989	14.3	12.3	16.2	7.1
HANOVER	94	352	608,490	79,253	3.74	6,473	11.9	9.5	14.3	10.3
HARRISONBURG (CITY)	41	168	188,200	33,581	4.10	4,590	12.2	8.5	15.9	15.6

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1997 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
HENRICO	407	1,469	2,340,885	241,245	3.61	5,752	16.9	15.2	18.5	5.0
HENRY	49	157	181,083	56,134	3.20	3,696	8.7	6.3	11.2	14.3
HIGHLAND	9	21	31,862	2,546	2.33	3,540	35.3	12.3	58.4	33.3
HOPEWELL (CITY)	99	332	640,224	22,469	3.35	6,467	44.1	35.4	52.7	10.1
ISLE OF WIGHT	50	158	240,532	28,580	3.16	4,811	17.5	12.6	22.3	14.1
JAMES CITY	70	188	260,561	43,254	2.69	3,722	16.2	12.4	20.0	12.0
KING AND QUEEN	16	54	59,542	6,493	3.38	3,721	24.6	12.6	36.7	25.0
KING GEORGE	27	71	86,789	16,896	2.63	3,214	16.0	10.0	22.0	19.2
KING WILLIAM	27	98	164,794	12,464	3.63	6,103	21.7	13.5	29.8	19.2
LANCASTER	17	53	67,437	11,286	3.12	3,967	15.1	7.9	22.2	24.3
LEE	43	211	280,683	24,063	4.91	6,528	17.9	12.5	23.2	15.2
LEXINGTON (CITY)	18	43	50,289	7,282	2.39	2,794	24.7	13.3	36.1	23.6
LOUDOUN	129	383	630,345	134,170	2.97	4,886	9.6	8.0	11.3	8.8
LOUISA	41	158	290,614	23,848	3.85	7,088	17.2	11.9	22.5	15.6
LUNENBURG	27	95	148,658	12,142	3.52	5,506	22.2	13.8	30.6	19.2
LYNCHBURG (CITY)	180	620	690,950	65,110	3.44	3,839	27.6	23.6	31.7	7.5
MADISON	20	75	93,406	12,505	3.75	4,670	16.0	9.0	23.0	22.4
MANASSAS (CITY)	122	363	546,539	32,190	2.98	4,480	37.9	31.2	44.6	9.1
MANASSAS PARK (CITY)	56	150	247,585	7,451	2.68	4,421	75.2	55.5	94.8	13.4
MARTINSVILLE (CITY)	39	157	185,288	15,530	4.03	4,751	25.1	17.2	33.0	16.0
MATHEWS	3	5	10,631	9,102	1.67	3,544	3.3	-0.4	7.0	57.7
MECKLENBURG	94	374	443,752	30,976	3.98	4,721	30.3	24.2	36.5	10.3
MIDDLESEX	13	48	63,490	9,582	3.69	4,884	13.6	6.2	20.9	27.7
MONTGOMERY	104	383	569,827	75,559	3.68	5,479	13.8	11.1	16.4	9.8
NELSON	32	83	96,297	13,765	2.59	3,009	23.2	15.2	31.3	17.7
NEW KENT	14	41	61,537	12,510	2.93	4,396	11.2	5.3	17.1	26.7
NEWPORT NEWS (CITY)	309	935	1,391,072	174,792	3.03	4,502	17.7	15.7	19.6	5.7
NORFOLK (CITY)	476	1,525	2,328,404	235,518	3.20	4,892	20.2	18.4	22.0	4.6
NORTHAMPTON	32	112	144,421	12,773	3.50	4,513	25.1	16.4	33.7	17.7
NORTHUMBERLAND	9	40	58,921	11,396	4.44	6,547	7.9	2.7	13.1	33.3

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1997 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
NORTON (CITY)	23	66	105,167	4,069	2.87	4,572	56.5	33.4	79.6	20.9
NOTTOWAY	47	177	342,755	15,051	3.77	7,293	31.2	22.3	40.2	14.6
ORANGE	39	153	235,342	24,909	3.92	6,034	15.7	10.7	20.6	16.0
PAGE	54	155	201,352	22,835	2.87	3,729	23.6	17.3	30.0	13.6
PATRICK	10	34	46,672	18,272	3.40	4,667	5.5	2.1	8.9	31.6
PETERSBURG (CITY)	236	1,158	2,369,501	35,243	4.91	10,040	67.0	58.4	75.5	6.5
PITTSYLVANIA	55	204	310,653	56,342	3.71	5,648	9.8	7.2	12.3	13.5
POQUOSON (CITY)	7	23	31,473	11,353	3.29	4,496	6.2	1.6	10.7	37.8
PORTSMOUTH (CITY)	303	943	1,265,821	99,418	3.11	4,178	30.5	27.0	33.9	5.7
POWHATAN	46	193	503,503	20,596	4.20	10,946	22.3	15.9	28.8	14.7
PRINCE EDWARD	52	137	176,044	18,880	2.63	3,385	27.5	20.1	35.0	13.9
PRINCE GEORGE	54	177	345,474	28,256	3.28	6,398	19.1	14.0	24.2	13.6
PRINCE WILLIAM	289	803	1,431,900	255,786	2.78	4,955	11.3	10.0	12.6	5.9
PULASKI	65	285	487,068	34,382	4.38	7,493	18.9	14.3	23.5	12.4
RADFORD (CITY)	23	85	84,825	15,672	3.70	3,688	14.7	8.7	20.7	20.9
RAPPAHANNOCK	12	50	58,723	7,207	4.17	4,894	16.7	7.2	26.1	28.9
RICHMOND	9	26	51,037	8,622	2.89	5,671	10.4	3.6	17.3	33.3
RICHMOND (CITY)	875	2,870	5,138,483	190,757	3.28	5,873	45.9	42.8	48.9	3.4
ROANOKE	45	167	201,855	81,186	3.71	4,486	5.5	3.9	7.2	14.9
ROANOKE (CITY)	168	575	728,570	94,931	3.42	4,337	17.7	15.0	20.4	7.7
ROCKBRIDGE	14	38	48,406	19,177	2.71	3,458	7.3	3.5	11.1	26.7
ROCKINGHAM	58	170	205,450	63,416	2.93	3,542	9.1	6.8	11.5	13.1
RUSSELL	79	294	550,074	29,002	3.72	6,963	27.2	21.2	33.2	11.3
SALEM (CITY)	35	114	142,154	24,119	3.26	4,062	14.5	9.7	19.3	16.9
SCOTT	10	52	78,490	22,726	5.20	7,849	4.4	1.7	7.1	31.6
SHENANDOAH	43	138	150,431	34,150	3.21	3,498	12.6	8.8	16.4	15.2
SMYTH	45	205	227,842	32,884	4.56	5,063	13.7	9.7	17.7	14.9
SOUTHAMPTON	29	91	117,770	17,662	3.14	4,061	16.4	10.4	22.4	18.6
SPOTSYLVANIA	108	348	633,877	80,514	3.22	5,869	13.4	10.9	15.9	9.6
STAFFORD	110	319	503,840	85,799	2.90	4,580	12.8	10.4	15.2	9.5

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1997 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
STAUNTON (CITY)	53	103	96,765	24,497	1.94	1,826	21.6	15.8	27.5	13.7
SUFFOLK (CITY)	139	496	746,628	61,147	3.57	5,371	22.7	19.0	26.5	8.5
SURRY	22	70	108,556	6,429	3.18	4,934	34.2	19.9	48.5	21.3
SUSSEX	26	93	142,021	10,062	3.58	5,462	25.8	15.9	35.8	19.6
TAZEWELL	63	210	449,583	46,815	3.33	7,136	13.5	10.1	16.8	12.6
VIRGINIA BEACH (CITY)	430	1,324	1,862,068	431,091	3.08	4,330	10.0	9.0	10.9	4.8
WARREN	43	150	168,486	29,947	3.49	3,918	14.4	10.1	18.7	15.2
WASHINGTON	44	182	187,202	49,128	4.14	4,255	9.0	6.3	11.6	15.1
WAYNESBORO (CITY)	51	125	128,404	19,237	2.45	2,518	26.5	19.2	33.8	14.0
WESTMORELAND	23	54	75,396	16,267	2.35	3,278	14.1	8.4	19.9	20.9
WILLIAMSBURG (CITY)	0	0	0	12,171	0.00	0	0.0	0.0	0.0	
WINCHESTER (CITY)	68	225	208,582	22,387	3.31	3,067	30.4	23.2	37.6	12.1
WISE	144	435	634,707	39,229	3.02	4,408	36.7	30.7	42.7	8.3
WYTHE	19	58	86,982	26,318	3.05	4,578	7.2	4.0	10.5	22.9
YORK	31	83	142,703	56,690	2.68	4,603	5.5	3.5	7.4	18.0

Table 32. Asthma Hospital Discharge Data for Virginia's Counties and Independent Cities, 1998

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1998 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ACCOMACK	99	462	486,091	32,252	4.67	4,910	30.7	24.6	36.7	10.1
ALBEMARLE	113	372	447,060	79,417	3.29	3,956	14.2	11.6	16.9	9.4
ALEXANDRIA (CITY)	133	494	775,592	114,978	3.71	5,832	11.6	9.6	13.5	8.7
ALLEGHANY	7	27	35,314	12,197	3.86	5,045	5.7	1.5	10.0	37.8
AMELIA	20	68	154,791	10,400	3.40	7,740	19.2	10.8	27.7	22.4
AMHERST	79	284	365,738	29,978	3.59	4,630	26.4	20.5	32.2	11.3
APPOMATTOX	37	143	179,437	13,146	3.86	4,850	28.1	19.1	37.2	16.4
ARLINGTON	102	391	680,488	174,607	3.83	6,671	5.8	4.7	7.0	9.9
AUGUSTA	45	107	126,371	60,296	2.38	2,808	7.5	5.3	9.6	14.9
BATH	7	16	27,922	4,911	2.29	3,989	14.3	3.7	24.8	37.8
BEDFORD	41	132	170,513	56,728	3.22	4,159	7.2	5.0	9.4	15.6
BEDFORD (CITY)	40	120	186,219	6,590	3.00	4,655	60.7	41.9	79.5	15.8
BLAND	4	8	11,077	6,805	2.00	2,769	5.9	0.1	11.6	50.0
BOTETOURT	31	104	153,385	28,657	3.35	4,948	10.8	7.0	14.6	18.0
BRISTOL (CITY)	6	18	22,959	16,988	3.00	3,827	3.5	0.7	6.4	40.8
BRUNSWICK	46	155	240,103	17,388	3.37	5,220	26.5	18.8	34.1	14.7
BUCHANAN	111	355	605,170	28,986	3.20	5,452	38.3	31.2	45.4	9.5
BUCKINGHAM	29	90	111,386	14,629	3.10	3,841	19.8	12.6	27.0	18.6
BUENA VISTA (CITY)	10	23	29,987	6,624	2.30	2,999	15.1	5.7	24.5	31.6
CAMPBELL	93	311	377,428	50,102	3.34	4,058	18.6	14.8	22.3	10.4
CAROLINE	68	220	326,107	21,989	3.24	4,796	30.9	23.6	38.3	12.1
CARROLL	13	31	46,427	27,776	2.38	3,571	4.7	2.1	7.2	27.7
CHARLES CITY	14	44	86,199	7,153	3.14	6,157	19.6	9.3	29.8	26.7
CHARLOTTE	41	124	185,479	12,323	3.02	4,524	33.3	23.1	43.5	15.6
CHARLOTTESVILLE (CITY)	91	210	266,585	36,988	2.31	2,930	24.6	19.5	29.7	10.5
CHESAPEAKE (CITY)	268	1,120	1,376,478	199,407	4.18	5,136	13.4	11.8	15.0	6.1
CHESTERFIELD	346	1,251	3,093,540	250,161	3.62	8,941	13.8	12.4	15.3	5.4
CLARKE	12	39	50,156	12,718	3.25	4,180	9.4	4.1	14.8	28.9
CLIFTON FORGE (CITY)	6	11	13,423	4,249	1.83	2,237	14.1	2.8	25.4	40.8
COLONIAL HEIGHTS (CITY)	47	158	305,883	16,431	3.36	6,508	28.6	20.4	36.8	14.6

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1998 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
COVINGTON (CITY)	21	102	130,475	6,924	4.86	6,213	30.3	17.4	43.3	21.8
CRAIG	4	31	37,223	4,877	7.75	9,306	8.2	0.2	16.2	50.0
CULPEPER	62	177	287,525	33,107	2.85	4,638	18.7	14.1	23.4	12.7
CUMBERLAND	25	79	163,367	7,846	3.16	6,535	31.9	19.4	44.4	20.0
DANVILLE (CITY)	113	381	525,536	51,710	3.37	4,651	21.9	17.8	25.9	9.4
DICKENSON	40	135	181,174	16,868	3.38	4,529	23.7	16.4	31.1	15.8
DINWIDDIE	40	154	230,586	25,477	3.85	5,765	15.7	10.8	20.6	15.8
EMPORIA (CITY)	47	169	203,285	5,747	3.60	4,325	81.8	58.4	105.2	14.6
ESSEX	19	70	94,509	9,081	3.68	4,974	20.9	11.5	30.3	22.9
FAIRFAX	713	2,356	3,942,802	927,895	3.30	5,530	7.7	7.1	8.2	3.7
FAIRFAX (CITY)	51	153	229,951	20,774	3.00	4,509	24.5	17.8	31.3	14.0
FALLS CHURCH (CITY)	3	4	5,843	9,763	1.33	1,948	3.1	-0.4	6.6	57.7
FAUQUIER	54	161	242,657	53,939	2.98	4,494	10.0	7.3	12.7	13.6
FLOYD	20	112	181,348	13,063	5.60	9,067	15.3	8.6	22.0	22.4
FLUVANNA	32	60	73,051	18,908	1.88	2,283	16.9	11.1	22.8	17.7
FRANKLIN	51	130	182,485	44,604	2.55	3,578	11.4	8.3	14.6	14.0
FRANKLIN (CITY)	24	72	110,389	8,474	3.00	4,600	28.3	17.0	39.7	20.4
FREDERICK	87	353	413,069	55,667	4.06	4,748	15.6	12.3	18.9	10.7
FREDERICKSBURG (CITY)	37	100	123,615	19,028	2.70	3,341	19.4	13.2	25.7	16.4
GALAX (CITY)	21	123	144,561	6,651	5.86	6,884	31.6	18.1	45.1	21.8
GILES	14	37	79,154	16,244	2.64	5,654	8.6	4.1	13.1	26.7
GLOUCESTER	41	164	238,552	34,942	4.00	5,818	11.7	8.1	15.3	15.6
GOOCHLAND	28	79	131,115	17,406	2.82	4,683	16.1	10.1	22.0	18.9
GRAYSON	13	41	57,390	16,399	3.15	4,415	7.9	3.6	12.2	27.7
GREENE	18	40	56,425	14,044	2.22	3,135	12.8	6.9	18.7	23.6
GREENSVILLE	7	15	19,900	10,908	2.14	2,843	6.4	1.7	11.2	37.8
HALIFAX	83	392	563,817	36,736	4.72	6,793	22.6	17.7	27.5	11.0
HAMPTON (CITY)	205	746	1,198,243	136,706	3.64	5,845	15.0	12.9	17.0	7.0
HANOVER	103	413	801,798	82,302	4.01	7,784	12.5	10.1	14.9	9.9
HARRISONBURG (CITY)	24	69	83,443	33,931	2.88	3,477	7.1	4.2	9.9	20.4

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1998 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
HENRICO	452	1,653	2,979,550	241,766	3.66	6,592	18.7	17.0	20.4	4.7
HENRY	43	164	187,768	55,842	3.81	4,367	7.7	5.4	10.0	15.2
HIGHLAND	6	14	14,237	2,486	2.33	2,373	24.1	4.8	43.4	40.8
HOPEWELL (CITY)	88	305	628,233	22,962	3.47	7,139	38.3	30.3	46.3	10.7
ISLE OF WIGHT	34	114	180,458	29,181	3.35	5,308	11.7	7.7	15.6	17.1
JAMES CITY	53	214	383,183	44,488	4.04	7,230	11.9	8.7	15.1	13.7
KING AND QUEEN	10	55	82,662	6,500	5.50	8,266	15.4	5.8	24.9	31.6
KING GEORGE	19	47	76,817	17,187	2.47	4,043	11.1	6.1	16.0	22.9
KING WILLIAM	11	55	143,674	12,819	5.00	13,061	8.6	3.5	13.7	30.2
LANCASTER	11	35	48,981	11,339	3.18	4,453	9.7	4.0	15.4	30.2
LEE	38	136	199,748	23,862	3.58	5,257	15.9	10.9	21.0	16.2
LEXINGTON (CITY)	8	18	22,139	7,343	2.25	2,767	10.9	3.3	18.4	35.4
LOUDOUN	129	442	845,655	144,514	3.43	6,555	8.9	7.4	10.5	8.8
LOUISA	36	108	172,976	24,540	3.00	4,805	14.7	9.9	19.5	16.7
LUNENBURG	22	84	111,301	11,989	3.82	5,059	18.4	10.7	26.0	21.3
LYNCHBURG (CITY)	167	751	892,766	64,261	4.50	5,346	26.0	22.0	29.9	7.7
MADISON	13	41	62,108	12,636	3.15	4,778	10.3	4.7	15.9	27.7
MANASSAS (CITY)	106	287	462,317	32,656	2.71	4,361	32.5	26.3	38.6	9.7
MANASSAS PARK (CITY)	54	132	219,427	7,736	2.44	4,063	69.8	51.2	88.4	13.6
MARTINSVILLE (CITY)	51	204	219,500	15,282	4.00	4,304	33.4	24.2	42.5	14.0
MATHEWS	8	25	41,856	9,105	3.13	5,232	8.8	2.7	14.9	35.4
MECKLENBURG	73	300	380,065	31,046	4.11	5,206	23.5	18.1	28.9	11.7
MIDDLESEX	14	77	153,609	9,633	5.50	10,972	14.5	6.9	22.1	26.7
MONTGOMERY	80	291	435,176	76,884	3.64	5,440	10.4	8.1	12.7	11.2
NELSON	35	162	267,956	13,901	4.63	7,656	25.2	16.8	33.5	16.9
NEW KENT	17	88	147,997	12,870	5.18	8,706	13.2	6.9	19.5	24.3
NEWPORT NEWS (CITY)	305	976	1,660,516	178,001	3.20	5,444	17.1	15.2	19.1	5.7
NORFOLK (CITY)	398	1,077	1,622,056	227,108	2.71	4,076	17.5	15.8	19.2	5.0
NORTHAMPTON	21	90	95,898	12,721	4.29	4,567	16.5	9.4	23.6	21.8
NORTHUMBERLAND	8	21	29,893	11,473	2.63	3,737	7.0	2.1	11.8	35.4

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1998 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
NORTON (CITY)	19	55	74,031	4,057	2.89	3,896	46.8	25.8	67.9	22.9
NOTTOWAY	48	158	275,449	15,168	3.29	5,739	31.6	22.7	40.6	14.4
ORANGE	49	179	331,970	25,374	3.65	6,775	19.3	13.9	24.7	14.3
PAGE	55	193	262,584	23,056	3.51	4,774	23.9	17.6	30.2	13.5
PATRICK	11	39	49,308	18,446	3.55	4,483	6.0	2.4	9.5	30.2
PETERSBURG (CITY)	256	1,029	1,847,180	34,853	4.02	7,216	73.5	64.5	82.4	6.3
PITTSYLVANIA	61	200	250,454	56,536	3.28	4,106	10.8	8.1	13.5	12.8
POQUOSON (CITY)	13	55	86,812	11,431	4.23	6,678	11.4	5.2	17.6	27.7
PORTSMOUTH (CITY)	200	594	831,661	99,049	2.97	4,158	20.2	17.4	23.0	7.1
POWHATAN	34	114	278,302	21,492	3.35	8,185	15.8	10.5	21.1	17.1
PRINCE EDWARD	60	162	206,904	19,234	2.70	3,448	31.2	23.3	39.1	12.9
PRINCE GEORGE	48	153	270,850	28,333	3.19	5,643	16.9	12.1	21.7	14.4
PRINCE WILLIAM	288	989	1,872,717	262,414	3.43	6,502	11.0	9.7	12.2	5.9
PULASKI	42	172	266,177	34,405	4.10	6,338	12.2	8.5	15.9	15.4
RADFORD (CITY)	19	83	98,033	15,559	4.37	5,160	12.2	6.7	17.7	22.9
RAPPAHANNOCK	8	23	37,864	7,329	2.88	4,733	10.9	3.4	18.5	35.4
RICHMOND	9	22	28,706	8,680	2.44	3,190	10.4	3.6	17.1	33.3
RICHMOND (CITY)	631	2,169	4,246,558	191,001	3.44	6,730	33.0	30.5	35.6	4.0
ROANOKE	41	140	186,712	81,264	3.41	4,554	5.0	3.5	6.6	15.6
ROANOKE (CITY)	193	661	934,436	93,797	3.42	4,842	20.6	17.7	23.5	7.2
ROCKBRIDGE	9	27	30,857	19,275	3.00	3,429	4.7	1.6	7.7	33.3
ROCKINGHAM	46	128	163,504	63,234	2.78	3,554	7.3	5.2	9.4	14.7
RUSSELL	44	140	260,208	28,890	3.18	5,914	15.2	10.7	19.7	15.1
SALEM (CITY)	36	145	401,193	24,225	4.03	11,144	14.9	10.0	19.7	16.7
SCOTT	3	8	12,204	22,644	2.67	4,068	1.3	-0.2	2.8	57.7
SHENANDOAH	43	142	149,286	34,721	3.30	3,472	12.4	8.7	16.1	15.2
SMYTH	30	140	200,411	32,789	4.67	6,680	9.1	5.9	12.4	18.3
SOUTHAMPTON	20	58	73,609	17,524	2.90	3,680	11.4	6.4	16.4	22.4
SPOTSYLVANIA	106	357	484,028	83,846	3.37	4,566	12.6	10.2	15.0	9.7
STAFFORD	103	362	549,427	89,668	3.51	5,334	11.5	9.3	13.7	9.9

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1998 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
STAUNTON (CITY)	33	79	78,317	24,619	2.39	2,373	13.4	8.8	18.0	17.4
SUFFOLK (CITY)	102	360	556,307	62,675	3.53	5,454	16.3	13.1	19.4	9.9
SURRY	15	48	85,528	6,496	3.20	5,702	23.1	11.4	34.8	25.8
SUSSEX	25	154	518,819	10,054	6.16	20,753	24.9	15.1	34.6	20.0
TAZEWELL	75	267	620,786	46,659	3.56	8,277	16.1	12.4	19.7	11.5
VIRGINIA BEACH (CITY)	314	912	1,380,401	430,656	2.90	4,396	7.3	6.5	8.1	5.6
WARREN	36	134	141,333	30,083	3.72	3,926	12.0	8.1	15.9	16.7
WASHINGTON	45	249	275,828	49,574	5.53	6,130	9.1	6.4	11.7	14.9
WAYNESBORO (CITY)	37	88	91,228	19,064	2.38	2,466	19.4	13.2	25.7	16.4
WESTMORELAND	25	91	138,695	16,319	3.64	5,548	15.3	9.3	21.3	20.0
WILLIAMSBURG (CITY)	4	5	9,120	12,363	1.25	2,280	3.2	0.1	6.4	50.0
WINCHESTER (CITY)	64	222	231,201	22,396	3.47	3,613	28.6	21.6	35.6	12.5
WISE	98	288	445,125	39,123	2.94	4,542	25.0	20.1	30.0	10.1
WYTHE	8	35	58,527	26,270	4.38	7,316	3.0	0.9	5.2	35.4
YORK	36	104	187,779	57,554	2.89	5,216	6.3	4.2	8.3	16.7

Table 33. Asthma Hospital Discharge Data for Virginia's Counties and Independent Cities, 1999

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1999 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ACCOMACK	89	413	418,237	32,121	4.64	4,699	27.7	22.0	33.5	10.6
ALBEMARLE	117	331	408,119	80,145	2.83	3,488	14.6	12.0	17.2	9.2
ALEXANDRIA (CITY)	160	620	1,062,983	117,390	3.88	6,644	13.6	11.5	15.7	7.9
ALLEGHANY	17	75	139,826	12,152	4.41	8,225	14.0	7.3	20.6	24.3
AMELIA	21	82	198,248	10,601	3.90	9,440	19.8	11.3	28.3	21.8
AMHERST	88	318	404,288	30,351	3.61	4,594	29.0	22.9	35.1	10.7
APPOMATTOX	43	116	160,889	13,317	2.70	3,742	32.3	22.6	41.9	15.2
ARLINGTON	159	602	1,053,896	174,848	3.79	6,628	9.1	7.7	10.5	7.9
AUGUSTA	42	96	114,430	61,166	2.29	2,725	6.9	4.8	8.9	15.4
BATH	8	22	30,095	4,926	2.75	3,762	16.2	5.0	27.5	35.4
BEDFORD	57	157	255,052	57,537	2.75	4,475	9.9	7.3	12.5	13.2
BEDFORD (CITY)	29	81	128,960	6,676	2.79	4,447	43.4	27.6	59.2	18.6
BLAND	9	25	34,392	6,795	2.78	3,821	13.2	4.6	21.9	33.3
BOTETOURT	54	155	256,382	29,184	2.87	4,748	18.5	13.6	23.4	13.6
BRISTOL (CITY)	4	12	13,770	16,709	3.00	3,443	2.4	0.0	4.7	50.0
BRUNSWICK	55	165	264,483	18,340	3.00	4,809	30.0	22.1	37.9	13.5
BUCHANAN	58	162	293,497	28,477	2.79	5,060	20.4	15.1	25.6	13.1
BUCKINGHAM	39	89	151,440	14,754	2.28	3,883	26.4	18.1	34.7	16.0
BUENA VISTA (CITY)	7	15	13,853	6,467	2.14	1,979	10.8	2.8	18.8	37.8
CAMPBELL	100	365	500,781	50,345	3.65	5,008	19.9	16.0	23.8	10.0
CAROLINE	83	298	458,547	22,075	3.59	5,525	37.6	29.5	45.7	11.0
CARROLL	25	147	208,449	27,808	5.88	8,338	9.0	5.5	12.5	20.0
CHARLES CITY	11	50	89,853	7,240	4.55	8,168	15.2	6.2	24.2	30.2
CHARLOTTE	70	236	364,859	12,414	3.37	5,212	56.4	43.2	69.6	12.0
CHARLOTTESVILLE (CITY)	83	204	277,668	36,815	2.46	3,345	22.5	17.7	27.4	11.0
CHESAPEAKE (CITY)	291	1,246	1,602,078	202,759	4.28	5,505	14.4	12.7	16.0	5.9
CHESTERFIELD	437	1,522	4,074,026	253,365	3.48	9,323	17.2	15.6	18.9	4.8
CLARKE	17	89	97,476	12,838	5.24	5,734	13.2	6.9	19.5	24.3
CLIFTON FORGE (CITY)	6	23	23,770	4,205	3.83	3,962	14.3	2.9	25.7	40.8
COLONIAL HEIGHTS (CITY)	42	122	243,427	16,235	2.90	5,796	25.9	18.0	33.7	15.4

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1999 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
COVINGTON (CITY)	16	74	91,833	6,846	4.63	5,740	23.4	11.9	34.8	25.0
CRAIG	7	19	32,419	4,942	2.71	4,631	14.2	3.7	24.7	37.8
CULPEPER	67	179	289,015	33,562	2.67	4,314	20.0	15.2	24.7	12.2
CUMBERLAND	17	54	96,557	7,876	3.18	5,680	21.6	11.3	31.8	24.3
DANVILLE (CITY)	153	438	677,670	50,795	2.86	4,429	30.1	25.3	34.9	8.1
DICKENSON	26	92	133,351	16,716	3.54	5,129	15.6	9.6	21.5	19.6
DINWIDDIE	51	167	279,803	25,663	3.27	5,486	19.9	14.4	25.3	14.0
EMPORIA (CITY)	65	221	362,703	5,662	3.40	5,580	114.8	86.9	142.7	12.4
ESSEX	25	73	127,497	9,121	2.92	5,100	27.4	16.7	38.2	20.0
FAIRFAX	690	2,477	4,456,398	945,717	3.59	6,459	7.3	6.8	7.8	3.8
FAIRFAX (CITY)	52	160	257,187	20,697	3.08	4,946	25.1	18.3	32.0	13.9
FALLS CHURCH (CITY)	14	28	47,458	9,944	2.00	3,390	14.1	6.7	21.5	26.7
FAUQUIER	79	203	344,935	55,206	2.57	4,366	14.3	11.2	17.5	11.3
FLOYD	23	137	241,160	13,260	5.96	10,485	17.3	10.3	24.4	20.9
FLUVANNA	28	74	93,387	19,622	2.64	3,335	14.3	9.0	19.6	18.9
FRANKLIN	32	74	120,347	45,220	2.31	3,761	7.1	4.6	9.5	17.7
FRANKLIN (CITY)	24	77	171,332	8,139	3.21	7,139	29.5	17.7	41.3	20.4
FREDERICK	125	479	529,793	56,555	3.83	4,238	22.1	18.2	26.0	8.9
FREDERICKSBURG (CITY)	53	158	218,106	18,826	2.98	4,115	28.2	20.6	35.7	13.7
GALAX (CITY)	35	129	156,722	6,484	3.69	4,478	54.0	36.1	71.9	16.9
GILES	18	60	79,483	16,315	3.33	4,416	11.0	5.9	16.1	23.6
GLOUCESTER	37	160	224,395	35,463	4.32	6,065	10.4	7.1	13.8	16.4
GOOCHLAND	31	118	298,104	17,651	3.81	9,616	17.6	11.4	23.7	18.0
GRAYSON	17	70	88,216	16,451	4.12	5,189	10.3	5.4	15.2	24.3
GREENE	12	31	52,562	14,685	2.58	4,380	8.2	3.5	12.8	28.9
GREENSVILLE	10	32	62,577	11,332	3.20	6,258	8.8	3.4	14.3	31.6
HALIFAX	99	436	599,424	36,920	4.40	6,055	26.8	21.5	32.1	10.1
HAMPTON (CITY)	223	815	1,373,237	137,193	3.65	6,158	16.3	14.1	18.4	6.7
HANOVER	124	475	920,102	85,410	3.83	7,420	14.5	12.0	17.1	9.0
HARRISONBURG (CITY)	35	100	144,421	34,129	2.86	4,126	10.3	6.9	13.7	16.9
HENRICO	450	1,503	2,924,252	244,652	3.34	6,498	18.4	16.7	20.1	4.7
HENRY	59	202	258,610	55,634	3.42	4,383	10.6	7.9	13.3	13.0

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1999 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
HIGHLAND	7	18	19,567	2,480	2.57	2,795	28.2	7.3	49.1	37.8
HOPEWELL (CITY)	106	314	762,696	22,663	2.96	7,195	46.8	37.9	55.7	9.7
ISLE OF WIGHT	47	141	240,474	29,632	3.00	5,116	15.9	11.3	20.4	14.6
JAMES CITY	63	164	282,426	45,945	2.60	4,483	13.7	10.3	17.1	12.6
KING AND QUEEN	6	14	17,317	6,540	2.33	2,886	9.2	1.8	16.5	40.8
KING GEORGE	29	69	108,725	17,681	2.38	3,749	16.4	10.4	22.4	18.6
KING WILLIAM	20	64	106,992	13,048	3.20	5,350	15.3	8.6	22.0	22.4
LANCASTER	16	66	109,599	11,349	4.13	6,850	14.1	7.2	21.0	25.0
LEE	31	90	170,586	23,821	2.90	5,503	13.0	8.4	17.6	18.0
LEXINGTON (CITY)	8	18	14,007	7,359	2.25	1,751	10.9	3.3	18.4	35.4
LOUDOUN	180	601	1,037,023	156,284	3.34	5,761	11.5	9.8	13.2	7.5
LOUISA	30	82	113,935	25,029	2.73	3,798	12.0	7.7	16.3	18.3
LUNENBURG	30	108	148,085	11,789	3.60	4,936	25.4	16.3	34.6	18.3
LYNCHBURG (CITY)	197	695	872,414	63,926	3.53	4,428	30.8	26.5	35.1	7.1
MADISON	19	62	105,386	12,627	3.26	5,547	15.0	8.3	21.8	22.9
MANASSAS (CITY)	104	274	488,218	33,498	2.63	4,694	31.0	25.1	37.0	9.8
MANASSAS PARK (CITY)	49	146	258,986	7,891	2.98	5,285	62.1	44.7	79.5	14.3
MARTINSVILLE (CITY)	55	222	345,977	14,996	4.04	6,290	36.7	27.0	46.4	13.5
MATHEWS	6	37	53,516	9,255	6.17	8,919	6.5	1.3	11.7	40.8
MECKLENBURG	95	340	463,651	30,991	3.58	4,881	30.7	24.5	36.8	10.3
MIDDLESEX	13	66	85,775	9,771	5.08	6,598	13.3	6.1	20.5	27.7
MONTGOMERY	83	276	431,950	76,997	3.33	5,204	10.8	8.5	13.1	11.0
NELSON	32	112	169,994	14,186	3.50	5,312	22.6	14.7	30.4	17.7
NEW KENT	19	82	183,029	13,218	4.32	9,633	14.4	7.9	20.8	22.9
NEWPORT NEWS (CITY)	303	875	1,612,772	179,138	2.89	5,323	16.9	15.0	18.8	5.7
NORFOLK (CITY)	408	1,131	1,892,336	225,875	2.77	4,638	18.1	16.3	19.8	5.0
NORTHAMPTON	41	188	185,171	12,810	4.59	4,516	32.0	22.2	41.8	15.6
NORTHUMBERLAND	9	19	32,667	11,668	2.11	3,630	7.7	2.7	12.8	33.3
NORTON (CITY)	20	43	70,631	4,008	2.15	3,532	49.9	28.0	71.8	22.4
NOTTOWAY	51	181	338,486	15,291	3.55	6,637	33.4	24.2	42.5	14.0
ORANGE	46	153	257,542	25,759	3.33	5,599	17.9	12.7	23.0	14.7
PAGE	64	172	266,649	23,165	2.69	4,166	27.6	20.9	34.4	12.5

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1999 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
PATRICK	17	58	73,990	18,529	3.41	4,352	9.2	4.8	13.5	24.3
PETERSBURG (CITY)	232	901	1,613,109	34,398	3.88	6,953	67.4	58.8	76.1	6.6
PITTSYLVANIA	63	221	357,707	56,760	3.51	5,678	11.1	8.4	13.8	12.6
POQUOSON (CITY)	13	58	99,793	11,571	4.46	7,676	11.2	5.1	17.3	27.7
PORTSMOUTH (CITY)	264	725	1,108,268	98,305	2.75	4,198	26.9	23.6	30.1	6.2
POWHATAN	31	129	347,000	22,409	4.16	11,194	13.8	9.0	18.7	18.0
PRINCE EDWARD	60	166	251,684	19,245	2.77	4,195	31.2	23.3	39.1	12.9
PRINCE GEORGE	55	193	427,706	28,812	3.51	7,776	19.1	14.0	24.1	13.5
PRINCE WILLIAM	353	1,080	1,903,694	270,841	3.06	5,393	13.0	11.7	14.4	5.3
PULASKI	67	232	412,722	34,401	3.46	6,160	19.5	14.8	24.1	12.2
RADFORD (CITY)	24	69	93,567	15,668	2.88	3,899	15.3	9.2	21.4	20.4
RAPPAHANNOCK	16	67	136,616	7,664	4.19	8,539	20.9	10.6	31.1	25.0
RICHMOND	10	45	61,753	8,745	4.50	6,175	11.4	4.3	18.5	31.6
RICHMOND (CITY)	769	2,716	5,933,131	189,700	3.53	7,715	40.5	37.7	43.4	3.6
ROANOKE	31	102	151,615	81,163	3.29	4,891	3.8	2.5	5.2	18.0
ROANOKE (CITY)	212	740	1,432,537	93,357	3.49	6,757	22.7	19.7	25.8	6.9
ROCKBRIDGE	4	23	29,275	19,542	5.75	7,319	2.0	0.0	4.1	50.0
ROCKINGHAM	67	216	284,534	63,078	3.22	4,247	10.6	8.1	13.2	12.2
RUSSELL	80	269	592,634	28,728	3.36	7,408	27.8	21.7	33.9	11.2
SALEM (CITY)	34	122	186,014	24,037	3.59	5,471	14.1	9.4	18.9	17.1
SCOTT	6	26	34,563	22,506	4.33	5,761	2.7	0.5	4.8	40.8
SHENANDOAH	35	130	149,436	35,141	3.71	4,270	10.0	6.7	13.3	16.9
SMYTH	42	151	185,097	32,692	3.60	4,407	12.8	9.0	16.7	15.4
SOUTHAMPTON	32	112	190,963	17,678	3.50	5,968	18.1	11.8	24.4	17.7
SPOTSYLVANIA	161	603	848,497	87,361	3.75	5,270	18.4	15.6	21.3	7.9
STAFFORD	128	401	636,908	93,160	3.13	4,976	13.7	11.4	16.1	8.8
STAUNTON (CITY)	67	187	125,520	24,496	2.79	1,873	27.4	20.8	33.9	12.2
SUFFOLK (CITY)	121	384	635,849	64,805	3.17	5,255	18.7	15.3	22.0	9.1
SURRY	11	37	72,243	6,484	3.36	6,568	17.0	6.9	27.0	30.2
SUSSEX	38	105	179,901	12,345	2.76	4,734	30.8	21.0	40.6	16.2
TAZEWELL	75	240	579,652	46,343	3.20	7,729	16.2	12.5	19.8	11.5
VIRGINIA BEACH (CITY)	355	1,074	1,699,470	433,461	3.03	4,787	8.2	7.3	9.0	5.3

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	1999 Population Estimate	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
WARREN	58	179	235,290	30,620	3.09	4,057	18.9	14.1	23.8	13.1
WASHINGTON	55	233	282,879	49,791	4.24	5,143	11.0	8.1	14.0	13.5
WAYNESBORO (CITY)	40	86	54,117	19,274	2.15	1,353	20.8	14.3	27.2	15.8
WESTMORELAND	30	111	173,586	16,259	3.70	5,786	18.5	11.8	25.1	18.3
WILLIAMSBURG (CITY)	1	5	7,370	12,495	5.00	7,370	0.8	-0.8	2.4	100.0
WINCHESTER (CITY)	63	176	217,733	22,477	2.79	3,456	28.0	21.1	34.9	12.6
WISE	112	303	484,911	40,194	2.71	4,330	27.9	22.7	33.0	9.4
WYTHE	20	79	110,741	26,511	3.95	5,537	7.5	4.2	10.9	22.4
YORK	29	103	208,377	58,433	3.55	7,185	5.0	3.2	6.8	18.6

Table 34. Asthma Hospital Discharge Data for Virginia's Counties and Independent Cities, 2000

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ACCOMACK	84	354	483,480	38,305	4.21	5,756	21.9	17.2	26.6	10.9
ALBEMARLE	109	320	403,849	79,236	2.94	3,705	13.8	11.2	16.3	9.6
ALEXANDRIA (CITY)	135	567	1,111,305	128,283	4.20	8,232	10.5	8.7	12.3	8.6
ALLEGHANY	9	40	50,629	12,926	4.44	5,625	7.0	2.4	11.5	33.3
AMELIA	26	90	244,401	11,400	3.46	9,400	22.8	14.0	31.6	19.6
AMHERST	63	190	303,015	31,894	3.02	4,810	19.8	14.9	24.6	12.6
APPOMATTOX	25	74	115,680	13,705	2.96	4,627	18.2	11.1	25.4	20.0
ARLINGTON	135	464	871,780	189,453	3.44	6,458	7.1	5.9	8.3	8.6
AUGUSTA	46	116	88,217	65,615	2.52	1,918	7.0	5.0	9.0	14.7
BATH	10	39	59,022	5,048	3.90	5,902	19.8	7.5	32.1	31.6
BEDFORD	46	167	263,006	60,371	3.63	5,718	7.6	5.4	9.8	14.7
BEDFORD (CITY)	36	104	170,345	6,299	2.89	4,732	57.2	38.5	75.8	16.7
BLAND	5	10	17,293	6,871	2.00	3,459	7.3	0.9	13.7	44.7
BOTETOURT	52	148	217,079	30,496	2.85	4,175	17.1	12.4	21.7	13.9
BRISTOL (CITY)	3	13	15,450	17,367	4.33	5,150	1.7	-0.2	3.7	57.7
BRUNSWICK	50	160	266,373	18,419	3.20	5,327	27.1	19.6	34.7	14.1
BUCHANAN	89	253	513,367	26,978	2.84	5,768	33.0	26.1	39.8	10.6
BUCKINGHAM	34	102	143,731	15,623	3.00	4,227	21.8	14.4	29.1	17.1
BUENA VISTA (CITY)	2	4	6,030	6,349	2.00	3,015	3.2	-1.2	7.5	70.7
CAMPBELL	78	245	443,230	51,078	3.14	5,682	15.3	11.9	18.7	11.3
CAROLINE	68	203	332,170	22,121	2.99	4,885	30.7	23.4	38.0	12.1
CARROLL	24	102	180,235	29,245	4.25	7,510	8.2	4.9	11.5	20.4
CHARLES CITY	12	69	189,582	6,926	5.75	15,799	17.3	7.5	27.1	28.9
CHARLOTTE	49	126	186,422	12,472	2.57	3,805	39.3	28.3	50.3	14.3
CHARLOTTESVILLE (CITY)	69	185	276,782	45,049	2.68	4,011	15.3	11.7	18.9	12.0
CHESAPEAKE (CITY)	234	975	1,222,130	199,184	4.17	5,223	11.7	10.2	13.3	6.5
CHESTERFIELD	423	1,575	4,249,971	259,903	3.72	10,047	16.3	14.7	17.8	4.9
CLARKE	11	30	45,696	12,652	2.73	4,154	8.7	3.6	13.8	30.2
CLIFTON FORGE (CITY)	10	38	50,255	4,289	3.80	5,026	23.3	8.9	37.8	31.6
COLONIAL HEIGHTS (CITY)	44	151	382,683	16,897	3.43	8,697	26.0	18.3	33.7	15.1
COVINGTON (CITY)	17	107	149,011	6,303	6.29	8,765	27.0	14.1	39.8	24.3

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
CRAIG	5	14	21,294	5,091	2.80	4,259	9.8	1.2	18.4	44.7
CULPEPER	60	179	289,020	34,262	2.98	4,817	17.5	13.1	21.9	12.9
CUMBERLAND	14	46	96,367	9,017	3.29	6,883	15.5	7.4	23.7	26.7
DANVILLE (CITY)	141	423	685,483	48,411	3.00	4,862	29.1	24.3	33.9	8.4
DICKENSON	21	67	119,490	16,395	3.19	5,690	12.8	7.3	18.3	21.8
DINWIDDIE	42	130	190,010	24,533	3.10	4,524	17.1	11.9	22.3	15.4
EMPORIA (CITY)	54	177	315,498	5,665	3.28	5,843	95.3	69.9	120.7	13.6
ESSEX	33	95	157,154	9,989	2.88	4,762	33.0	21.8	44.3	17.4
FAIRFAX	630	2,086	3,950,539	969,749	3.31	6,271	6.5	6.0	7.0	4.0
FAIRFAX (CITY)	49	266	564,877	21,498	5.43	11,528	22.8	16.4	29.2	14.3
FALLS CHURCH (CITY)	10	49	74,725	10,377	4.90	7,473	9.6	3.7	15.6	31.6
FAUQUIER	67	214	405,413	55,139	3.19	6,051	12.2	9.2	15.1	12.2
FLOYD	13	46	98,436	13,874	3.54	7,572	9.4	4.3	14.5	27.7
FLUVANNA	26	78	161,528	20,047	3.00	6,213	13.0	8.0	18.0	19.6
FRANKLIN	32	81	141,871	47,286	2.53	4,433	6.8	4.4	9.1	17.7
FRANKLIN (CITY)	19	68	114,937	8,346	3.58	6,049	22.8	12.5	33.0	22.9
FREDERICK	75	257	304,923	59,209	3.43	4,066	12.7	9.8	15.5	11.5
FREDERICKSBURG (CITY)	52	200	250,957	19,279	3.85	4,826	27.0	19.6	34.3	13.9
GALAX (CITY)	21	78	102,415	6,837	3.71	4,877	30.7	17.6	43.9	21.8
GILES	11	41	72,674	16,657	3.73	6,607	6.6	2.7	10.5	30.2
GLOUCESTER	32	132	190,871	34,780	4.13	5,965	9.2	6.0	12.4	17.7
GOOCHLAND	37	153	384,847	16,863	4.14	10,401	21.9	14.9	29.0	16.4
GRAYSON	15	48	64,798	17,917	3.20	4,320	8.4	4.1	12.6	25.8
GREENE	23	65	83,705	15,244	2.83	3,639	15.1	8.9	21.3	20.9
GREENSVILLE	8	29	49,366	11,560	3.63	6,171	6.9	2.1	11.7	35.4
HALIFAX	66	273	451,049	37,355	4.14	6,834	17.7	13.4	21.9	12.3
HAMPTON (CITY)	191	619	1,089,333	146,437	3.24	5,703	13.0	11.2	14.9	7.2
HANOVER	115	419	784,387	86,320	3.64	6,821	13.3	10.9	15.8	9.3
HARRISONBURG (CITY)	24	58	78,637	40,468	2.42	3,277	5.9	3.6	8.3	20.4
HENRICO	472	1,684	3,583,931	262,300	3.57	7,593	18.0	16.4	19.6	4.6
HENRY	58	214	288,573	57,930	3.69	4,975	10.0	7.4	12.6	13.1
HIGHLAND	3	11	17,154	2,536	3.67	5,718	11.8	-1.6	25.2	57.7

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
HOPEWELL (CITY)	74	224	511,273	22,354	3.03	6,909	33.1	25.6	40.6	11.6
ISLE OF WIGHT	38	105	167,363	29,728	2.76	4,404	12.8	8.7	16.8	16.2
JAMES CITY	49	159	262,279	48,102	3.24	5,353	10.2	7.3	13.0	14.3
KING AND QUEEN	13	35	73,753	6,630	2.69	5,673	19.6	8.9	30.3	27.7
KING GEORGE	40	113	168,633	16,803	2.83	4,216	23.8	16.4	31.2	15.8
KING WILLIAM	19	63	108,722	13,146	3.32	5,722	14.5	8.0	21.0	22.9
LANCASTER	21	40	74,362	11,567	1.90	3,541	18.2	10.4	25.9	21.8
LEE	22	90	147,580	23,589	4.09	6,708	9.3	5.4	13.2	21.3
LEXINGTON (CITY)	4	15	17,761	6,867	3.75	4,440	5.8	0.1	11.5	50.0
LOUDOUN	165	551	986,861	169,599	3.34	5,981	9.7	8.2	11.2	7.8
LOUISA	43	137	219,163	25,627	3.19	5,097	16.8	11.8	21.8	15.2
LUNENBURG	25	72	117,622	13,146	2.88	4,705	19.0	11.6	26.5	20.0
LYNCHBURG (CITY)	183	657	1,071,491	65,269	3.59	5,855	28.0	24.0	32.1	7.4
MADISON	12	53	98,386	12,520	4.42	8,199	9.6	4.2	15.0	28.9
MANASSAS (CITY)	108	262	469,948	35,135	2.43	4,351	30.7	24.9	36.5	9.6
MANASSAS PARK (CITY)	31	58	121,576	10,290	1.87	3,922	30.1	19.5	40.7	18.0
MARTINSVILLE (CITY)	47	158	210,860	15,416	3.36	4,486	30.5	21.8	39.2	14.6
MATHEWS	4	9	19,102	9,207	2.25	4,776	4.3	0.1	8.6	50.0
MECKLENBURG	71	265	380,352	32,380	3.73	5,357	21.9	16.8	27.0	11.9
MIDDLESEX	20	64	115,822	9,932	3.20	5,791	20.1	11.3	29.0	22.4
MONTGOMERY	65	227	382,933	83,629	3.49	5,891	7.8	5.9	9.7	12.4
NELSON	29	72	106,654	14,445	2.48	3,678	20.1	12.8	27.4	18.6
NEW KENT	23	145	374,750	13,462	6.30	16,293	17.1	10.1	24.1	20.9
NEWPORT NEWS (CITY)	289	832	1,523,926	180,150	2.88	5,273	16.0	14.2	17.9	5.9
NORFOLK (CITY)	334	788	1,526,435	234,403	2.36	4,570	14.2	12.7	15.8	5.5
NORTHAMPTON	33	130	166,784	13,093	3.94	5,054	25.2	16.6	33.8	17.4
NORTHUMBERLAND	16	29	36,448	12,259	1.81	2,278	13.1	6.7	19.4	25.0
NORTON (CITY)	12	31	51,638	3,904	2.58	4,303	30.7	13.3	48.1	28.9
NOTTOWAY	31	105	200,967	15,725	3.39	6,483	19.7	12.8	26.7	18.0
ORANGE	34	93	161,059	25,881	2.74	4,737	13.1	8.7	17.6	17.1
PAGE	47	156	281,941	23,177	3.32	5,999	20.3	14.5	26.1	14.6
PATRICK	13	52	62,907	19,407	4.00	4,839	6.7	3.1	10.3	27.7

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
PETERSBURG (CITY)	205	870	1,652,623	33,740	4.24	8,062	60.8	52.4	69.1	7.0
PITTSYLVANIA	54	142	228,307	61,745	2.63	4,228	8.7	6.4	11.1	13.6
POQUOSON (CITY)	11	41	55,042	11,566	3.73	5,004	9.5	3.9	15.1	30.2
PORTSMOUTH (CITY)	193	479	833,411	100,565	2.48	4,318	19.2	16.5	21.9	7.2
POWHATAN	29	132	429,764	22,377	4.55	14,819	13.0	8.2	17.7	18.6
PRINCE EDWARD	62	190	284,124	19,720	3.06	4,583	31.4	23.6	39.3	12.7
PRINCE GEORGE	48	142	328,532	33,047	2.96	6,844	14.5	10.4	18.6	14.4
PRINCE WILLIAM	292	1,044	2,200,500	280,813	3.58	7,536	10.4	9.2	11.6	5.9
PULASKI	69	239	450,118	35,127	3.46	6,523	19.6	15.0	24.3	12.0
RADFORD (CITY)	26	127	202,059	15,859	4.88	7,772	16.4	10.1	22.7	19.6
RAPPAHANNOCK	19	49	73,230	6,983	2.58	3,854	27.2	15.0	39.4	22.9
RICHMOND	16	48	89,399	8,809	3.00	5,587	18.2	9.3	27.1	25.0
RICHMOND (CITY)	766	2,605	6,307,969	197,790	3.40	8,235	38.7	36.0	41.5	3.6
ROANOKE	52	190	294,841	85,778	3.65	5,670	6.1	4.4	7.7	13.9
ROANOKE (CITY)	203	577	834,009	94,911	2.84	4,108	21.4	18.4	24.3	7.0
ROCKBRIDGE	10	22	23,870	20,808	2.20	2,387	4.8	1.8	7.8	31.6
ROCKINGHAM	77	234	328,530	67,725	3.04	4,267	11.4	8.8	13.9	11.4
RUSSELL	77	242	598,314	30,308	3.14	7,770	25.4	19.7	31.1	11.4
SALEM (CITY)	41	129	190,522	24,747	3.15	4,647	16.6	11.5	21.6	15.6
SCOTT	4	14	21,608	23,403	3.50	5,402	1.7	0.0	3.4	50.0
SHENANDOAH	40	136	169,136	35,075	3.40	4,228	11.4	7.9	14.9	15.8
SMYTH	42	189	249,993	33,081	4.50	5,952	12.7	8.9	16.5	15.4
SOUTHAMPTON	23	66	96,136	17,482	2.87	4,180	13.2	7.8	18.5	20.9
SPOTSYLVANIA	151	471	733,863	90,395	3.12	4,860	16.7	14.0	19.4	8.1
STAFFORD	153	507	880,104	92,446	3.31	5,752	16.6	13.9	19.2	8.1
STAUNTON (CITY)	55	176	144,197	23,853	3.20	2,622	23.1	17.0	29.2	13.5
SUFFOLK (CITY)	103	344	603,896	63,677	3.34	5,863	16.2	13.1	19.3	9.9
SURRY	5	28	44,369	6,829	5.60	8,874	7.3	0.9	13.7	44.7
SUSSEX	24	91	166,717	12,504	3.79	6,947	19.2	11.5	26.9	20.4
TAZEWELL	72	230	518,387	44,598	3.19	7,200	16.1	12.4	19.9	11.8
VIRGINIA BEACH (CITY)	285	869	1,433,524	425,257	3.05	5,030	6.7	5.9	7.5	5.9
WARREN	39	133	184,980	31,584	3.41	4,743	12.3	8.5	16.2	16.0

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
WASHINGTON	64	264	329,981	51,103	4.13	5,156	12.5	9.5	15.6	12.5
WAYNESBORO (CITY)	64	181	116,151	19,520	2.83	1,815	32.8	24.8	40.8	12.5
WESTMORELAND	39	101	159,406	16,718	2.59	4,087	23.3	16.0	30.6	16.0
WILLIAMSBURG (CITY)	0	0	0	11,998	0.00	0	0.0	0.0	0.0	
WINCHESTER (CITY)	48	161	185,065	23,585	3.35	3,856	20.4	14.6	26.1	14.4
WISE	72	202	348,174	40,123	2.81	4,836	17.9	13.8	22.1	11.8
WYTHE	33	111	168,356	27,599	3.36	5,102	12.0	7.9	16.0	17.4
YORK	21	61	101,355	56,297	2.90	4,826	3.7	2.1	5.3	21.8

Table 35. Asthma Hospital Discharge Data for Virginia's Counties and Independent Cities, 2001

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
ACCOMACK	58	211	353,631	38,305	3.64	6,097	15.1	11.2	19.0	13.1
ALBEMARLE	123	381	520,305	79,236	3.10	4,230	15.5	12.8	18.3	9.0
ALEXANDRIA (CITY)	183	729	1,542,403	128,283	3.98	8,428	14.3	12.2	16.3	7.4
ALLEGHANY	10	37	124,555	12,926	3.70	12,456	7.7	2.9	12.5	31.6
AMELIA	35	114	276,947	11,400	3.26	7,913	30.7	20.5	40.9	16.9
AMHERST	78	243	377,435	31,894	3.12	4,839	24.5	19.0	29.9	11.3
APPOMATTOX	28	90	140,472	13,705	3.21	5,017	20.4	12.9	28.0	18.9
ARLINGTON	133	519	1,112,361	189,453	3.90	8,364	7.0	5.8	8.2	8.7
AUGUSTA	64	161	228,662	65,615	2.52	3,573	9.8	7.4	12.1	12.5
BATH	9	31	50,665	5,048	3.44	5,629	17.8	6.2	29.5	33.3
BEDFORD	56	126	233,052	60,371	2.25	4,162	9.3	6.8	11.7	13.4
BEDFORD (CITY)	10	15	25,527	6,299	1.50	2,553	15.9	6.0	25.7	31.6
BLAND	7	14	29,287	6,871	2.00	4,184	10.2	2.6	17.7	37.8
BOTETOURT	31	89	164,337	30,496	2.87	5,301	10.2	6.6	13.7	18.0
BRISTOL (CITY)	1	1	1,331	17,367	1.00	1,331	0.6	-0.6	1.7	100.0
BRUNSWICK	43	136	245,348	18,419	3.16	5,706	23.3	16.4	30.3	15.2
BUCHANAN	102	333	683,681	26,978	3.26	6,703	37.8	30.5	45.1	9.9
BUCKINGHAM	26	73	106,183	15,623	2.81	4,084	16.6	10.2	23.0	19.6
BUENA VISTA (CITY)	6	19	19,051	6,349	3.17	3,175	9.5	1.9	17.0	40.8
CAMPBELL	76	252	526,126	51,078	3.32	6,923	14.9	11.5	18.2	11.5
CAROLINE	72	211	355,338	22,121	2.93	4,935	32.5	25.0	40.1	11.8
CARROLL	16	66	101,014	29,245	4.13	6,313	5.5	2.8	8.2	25.0
CHARLES CITY	9	54	131,627	6,926	6.00	14,625	13.0	4.5	21.5	33.3
CHARLOTTE	40	104	155,608	12,472	2.60	3,890	32.1	22.1	42.0	15.8
CHARLOTTESVILLE (CITY)	59	152	207,086	45,049	2.58	3,510	13.1	9.8	16.4	13.0
CHESAPEAKE (CITY)	211	761	1,158,613	199,184	3.61	5,491	10.6	9.2	12.0	6.9
CHESTERFIELD	411	1,524	3,820,900	259,903	3.71	9,297	15.8	14.3	17.3	4.9
CLARKE	28	92	143,092	12,652	3.29	5,110	22.1	13.9	30.3	18.9
CLIFTON FORGE (CITY)	8	24	28,818	4,289	3.00	3,602	18.7	5.7	31.6	35.4
COLONIAL HEIGHTS (CITY)	43	106	244,010	16,897	2.47	5,675	25.4	17.8	33.1	15.2
COVINGTON (CITY)	23	82	109,212	6,303	3.57	4,748	36.5	21.6	51.4	20.9

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
CRAIG	11	36	61,627	5,091	3.27	5,602	21.6	8.8	34.4	30.2
CULPEPER	60	186	292,329	34,262	3.10	4,872	17.5	13.1	21.9	12.9
CUMBERLAND	15	34	71,226	9,017	2.27	4,748	16.6	8.2	25.1	25.8
DANVILLE (CITY)	135	427	751,495	48,411	3.16	5,567	27.9	23.2	32.6	8.6
DICKENSON	32	88	153,487	16,395	2.75	4,796	19.5	12.8	26.3	17.7
DINWIDDIE	40	139	234,094	24,533	3.48	5,852	16.3	11.3	21.4	15.8
EMPORIA (CITY)	0	0	0	5,665	0.00	0	0.0	0.0	0.0	
ESSEX	15	45	73,233	9,989	3.00	4,882	15.0	7.4	22.6	25.8
FAIRFAX	705	2,235	4,736,171	969,749	3.17	6,718	7.3	6.7	7.8	3.8
FAIRFAX (CITY)	35	114	262,606	21,498	3.26	7,503	16.3	10.9	21.7	16.9
FALLS CHURCH (CITY)	11	36	81,374	10,377	3.27	7,398	10.6	4.3	16.9	30.2
FAUQUIER	48	138	301,479	55,139	2.88	6,281	8.7	6.2	11.2	14.4
FLOYD	12	36	66,082	13,874	3.00	5,507	8.6	3.8	13.5	28.9
FLUVANNA	33	102	172,073	20,047	3.09	5,214	16.5	10.8	22.1	17.4
FRANKLIN	54	131	223,825	47,286	2.43	4,145	11.4	8.4	14.5	13.6
FRANKLIN (CITY)	20	41	94,102	8,346	2.05	4,705	24.0	13.5	34.5	22.4
FREDERICK	100	319	460,995	59,209	3.19	4,610	16.9	13.6	20.2	10.0
FREDERICKSBURG (CITY)	37	108	181,391	19,279	2.92	4,902	19.2	13.0	25.4	16.4
GALAX (CITY)	27	82	141,922	6,837	3.04	5,256	39.5	24.6	54.4	19.2
GILES	12	37	78,571	16,657	3.08	6,548	7.2	3.1	11.3	28.9
GLOUCESTER	29	132	232,038	34,780	4.55	8,001	8.3	5.3	11.4	18.6
GOOCHLAND	33	159	297,093	16,863	4.82	9,003	19.6	12.9	26.2	17.4
GRAYSON	17	52	66,821	17,917	3.06	3,931	9.5	5.0	14.0	24.3
GREENE	15	42	68,142	15,244	2.80	4,543	9.8	4.9	14.8	25.8
GREENSVILLE	61	196	440,436	11,560	3.21	7,220	52.8	39.5	66.0	12.8
HALIFAX	54	209	316,868	37,355	3.87	5,868	14.5	10.6	18.3	13.6
HAMPTON (CITY)	151	466	953,941	146,437	3.09	6,317	10.3	8.7	12.0	8.1
HANOVER	118	447	992,070	86,320	3.79	8,407	13.7	11.2	16.1	9.2
HARRISONBURG (CITY)	45	158	256,960	40,468	3.51	5,710	11.1	7.9	14.4	14.9
HENRICO	456	1,624	3,464,097	262,300	3.56	7,597	17.4	15.8	19.0	4.7
HENRY	51	247	401,679	57,930	4.84	7,876	8.8	6.4	11.2	14.0
HIGHLAND	4	11	24,269	2,536	2.75	6,067	15.8	0.3	31.2	50.0

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
HOPEWELL (CITY)	81	239	579,010	22,354	2.95	7,148	36.2	28.3	44.1	11.1
ISLE OF WIGHT	20	73	142,401	29,728	3.65	7,120	6.7	3.8	9.7	22.4
JAMES CITY	79	252	400,816	48,102	3.19	5,074	16.4	12.8	20.0	11.3
KING AND QUEEN	11	34	66,498	6,630	3.09	6,045	16.6	6.8	26.4	30.2
KING GEORGE	30	97	165,793	16,803	3.23	5,526	17.9	11.5	24.2	18.3
KING WILLIAM	40	120	239,058	13,146	3.00	5,976	30.4	21.0	39.9	15.8
LANCASTER	16	65	92,156	11,567	4.06	5,760	13.8	7.1	20.6	25.0
LEE	40	136	257,571	23,589	3.40	6,439	17.0	11.7	22.2	15.8
LEXINGTON (CITY)	4	7	7,889	6,867	1.75	1,972	5.8	0.1	11.5	50.0
LOUDOUN	176	502	940,245	169,599	2.85	5,342	10.4	8.8	11.9	7.5
LOUISA	52	177	267,884	25,627	3.40	5,152	20.3	14.8	25.8	13.9
LUNENBURG	31	199	295,337	13,146	6.42	9,527	23.6	15.3	31.9	18.0
LYNCHBURG (CITY)	148	416	661,498	65,269	2.81	4,470	22.7	19.0	26.3	8.2
MADISON	12	43	60,482	12,520	3.58	5,040	9.6	4.2	15.0	28.9
MANASSAS (CITY)	52	132	294,628	35,135	2.54	5,666	14.8	10.8	18.8	13.9
MANASSAS PARK (CITY)	0	0	0	10,290	0.00	0	0.0	0.0	0.0	
MARTINSVILLE (CITY)	53	203	314,471	15,416	3.83	5,933	34.4	25.1	43.6	13.7
MATHEWS	4	12	17,133	9,207	3.00	4,283	4.3	0.1	8.6	50.0
MECKLENBURG	90	351	513,362	32,380	3.90	5,704	27.8	22.1	33.5	10.5
MIDDLESEX	17	97	151,773	9,932	5.71	8,928	17.1	9.0	25.3	24.3
MONTGOMERY	63	241	482,626	83,629	3.83	7,661	7.5	5.7	9.4	12.6
NELSON	34	129	230,381	14,445	3.79	6,776	23.5	15.6	31.4	17.1
NEW KENT	19	73	126,160	13,462	3.84	6,640	14.1	7.8	20.5	22.9
NEWPORT NEWS (CITY)	257	744	1,493,478	180,150	2.89	5,811	14.3	12.5	16.0	6.2
NORFOLK (CITY)	344	939	1,907,139	234,403	2.73	5,544	14.7	13.1	16.2	5.4
NORTHAMPTON	39	161	240,263	13,093	4.13	6,161	29.8	20.4	39.1	16.0
NORTHUMBERLAND	16	34	58,934	12,259	2.13	3,683	13.1	6.7	19.4	25.0
NORTON (CITY)	12	40	75,435	3,904	3.33	6,286	30.7	13.3	48.1	28.9
NOTTOWAY	35	111	219,316	15,725	3.17	6,266	22.3	14.9	29.6	16.9
ORANGE	37	97	155,237	25,881	2.62	4,196	14.3	9.7	18.9	16.4
PAGE	59	152	276,670	23,177	2.58	4,689	25.5	19.0	32.0	13.0
PATRICK	18	65	84,596	19,407	3.61	4,700	9.3	5.0	13.6	23.6

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
PETERSBURG (CITY)	212	765	1,559,089	33,740	3.61	7,354	62.8	54.4	71.3	6.9
PITTSYLVANIA	79	198	358,173	61,745	2.51	4,534	12.8	10.0	15.6	11.3
POQUOSON (CITY)	13	43	68,822	11,566	3.31	5,294	11.2	5.1	17.3	27.7
PORTSMOUTH (CITY)	213	520	1,062,283	100,565	2.44	4,987	21.2	18.3	24.0	6.9
POWHATAN	33	107	308,558	22,377	3.24	9,350	14.7	9.7	19.8	17.4
PRINCE EDWARD	59	141	217,575	19,720	2.39	3,688	29.9	22.3	37.6	13.0
PRINCE GEORGE	51	156	300,880	33,047	3.06	5,900	15.4	11.2	19.7	14.0
PRINCE WILLIAM	430	1,384	2,913,097	280,813	3.22	6,775	15.3	13.9	16.8	4.8
PULASKI	59	174	329,629	35,127	2.95	5,587	16.8	12.5	21.1	13.0
RADFORD (CITY)	21	68	125,734	15,859	3.24	5,987	13.2	7.6	18.9	21.8
RAPPAHANNOCK	7	17	23,282	6,983	2.43	3,326	10.0	2.6	17.5	37.8
RICHMOND	7	16	23,634	8,809	2.29	3,376	7.9	2.1	13.8	37.8
RICHMOND (CITY)	755	2,396	6,093,868	197,790	3.17	8,071	38.2	35.4	40.9	3.6
ROANOKE	63	216	361,192	85,778	3.43	5,733	7.3	5.5	9.2	12.6
ROANOKE (CITY)	204	577	932,104	94,911	2.83	4,569	21.5	18.5	24.4	7.0
ROCKBRIDGE	16	65	129,748	20,808	4.06	8,109	7.7	3.9	11.5	25.0
ROCKINGHAM	49	143	226,538	67,725	2.92	4,623	7.2	5.2	9.3	14.3
RUSSELL	70	268	628,094	30,308	3.83	8,973	23.1	17.7	28.5	12.0
SALEM (CITY)	54	236	373,106	24,747	4.37	6,909	21.8	16.0	27.6	13.6
SCOTT	1	2	2,746	23,403	2.00	2,746	0.4	-0.4	1.3	100.0
SHENANDOAH	31	123	161,924	35,075	3.97	5,223	8.8	5.7	11.9	18.0
SMYTH	48	219	268,027	33,081	4.56	5,584	14.5	10.4	18.6	14.4
SOUTHAMPTON	18	61	132,919	17,482	3.39	7,384	10.3	5.5	15.1	23.6
SPOTSYLVANIA	139	433	694,695	90,395	3.12	4,998	15.4	12.8	17.9	8.5
STAFFORD	134	428	932,216	92,446	3.19	6,957	14.5	12.0	16.9	8.6
STAUNTON (CITY)	48	111	170,954	23,853	2.31	3,562	20.1	14.4	25.8	14.4
SUFFOLK (CITY)	82	268	499,699	63,677	3.27	6,094	12.9	10.1	15.7	11.0
SURRY	6	41	70,252	6,829	6.83	11,709	8.8	1.8	15.8	40.8
SUSSEX	25	77	161,176	12,504	3.08	6,447	20.0	12.2	27.8	20.0
TAZEWELL	88	325	869,544	44,598	3.69	9,881	19.7	15.6	23.9	10.7
VIRGINIA BEACH (CITY)	236	741	1,312,877	425,257	3.14	5,563	5.5	4.8	6.3	6.5
WARREN	33	85	138,631	31,584	2.58	4,201	10.4	6.9	14.0	17.4

County/City	Total Discharges	Total Days Hospitalized	Total Charges (\$)	2000 Census Population	Average Length of Stay	Average Charges (\$)	Discharge Rate per 10,000	Discharge Rate Lower 95% C.I.	Discharge Rate Upper 95% C.I.	Relative Standard Error
WASHINGTON	45	165	230,491	51,103	3.67	5,122	8.8	6.2	11.4	14.9
WAYNESBORO (CITY)	64	191	242,973	19,520	2.98	3,796	32.8	24.8	40.8	12.5
WESTMORELAND	13	36	61,475	16,718	2.77	4,729	7.8	3.5	12.0	27.7
WILLIAMSBURG (CITY)	2	5	7,759	11,998	2.50	3,880	1.7	-0.6	4.0	70.7
WINCHESTER (CITY)	87	281	396,981	23,585	3.23	4,563	36.9	29.1	44.6	10.7
WISE	92	294	499,704	40,123	3.20	5,432	22.9	18.2	27.6	10.4
WYTHE	28	106	171,235	27,599	3.79	6,116	10.1	6.4	13.9	18.9
YORK	24	60	106,416	56,297	2.50	4,434	4.3	2.6	6.0	20.4

1995 Counties/Cities Summarized by Age

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1995 Counties/Cities Summarized by Gender

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1995 Counties/Cities Summarized by Race

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1995 Counties/Cities Overall

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1996 Counties/Cities Summarized by Age

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1996 Counties/Cities Summarized by Gender

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1996 Counties/Cities Summarized by Race

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1996 Counties/Cities Overall

1997 Counties/Cities Summarized by Age

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1997 Counties/Cities Summarized by Gender

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1997 Counties/Cities Summarized by Race

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1997 Counties/Cities Overall

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1998 Counties/Cities Summarized by Age

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1998 Counties/Cities Summarized by Gender

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1998 Counties/Cities Summarized by Race

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1998 Counties/Cities Overall

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1999 Counties/Cities Summarized by Age

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1999 Counties/Cities Overall

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2000 Counties/Cities Summarized by Age

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2000 Counties/Cities Summarized by Gender

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2000 Counties/Cities Summarized by Race

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2000 Counties/Cities Overall

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2001 Counties/Cities Summarized by Age

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2001 Counties/Cities Summarized by Gender

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2001 Counties/Cities Summarized by Race

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2001 Counties/Cities Overall

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Table 57. Hospital Discharge Rates  
(Age Adjusted and Ordered by  
Descending Values) in Virginia's  
Health Districts for a Primary  
Diagnosis of Asthma, 1995

Health District	Discharge Rate per 10,000
Richmond	47.24
Crater	38.75
Cumberland Plateau	33.84
Southside	31.61
Portsmouth	30.87
Eastern Shore	30.22
Piedmont	28.84
Lenowisco	28.03
Norfolk	27.19
Chesterfield	26.44
Western Tidewater	23.54
Thomas Jefferson	22.50
Roanoke	21.84
Chesapeake	20.52
Alexandria	20.21
Rappahannock Rapidan	19.77
Pittsylvania/Danville	19.07
Henrico	18.51
Lord Fairfax	18.03
Central Virginia	17.54
Rappahannock	17.02
Peninsula	16.31
Hampton	15.63
Central Shenandoah	14.78
Hanover	14.52
Prince William	13.33
New River	13.27
West Piedmont	12.91
Three Rivers	12.50
Arlington	11.29
Mount Rogers	10.00
Virginia Beach	10.00
Fairfax	9.60
Alleghany	8.48
Loudoun	7.28

Table 58. Hospital Discharge Rates  
(Age Adjusted and Ordered by  
Descending Values) in Virginia's  
Health Districts for a Primary  
Diagnosis of Asthma, 1996

Health District	Discharge Rate per 10,000
Richmond	45.99
Cumberland Plateau	33.70
Eastern Shore	33.47
Crater	32.63
Southside	32.33
Piedmont	31.11
Norfolk	25.68
Lenowisco	22.67
Chesterfield	21.91
Western Tidewater	21.20
Portsmouth	21.04
Thomas Jefferson	19.43
Lord Fairfax	19.24
Pittsylvania/Danville	18.19
Henrico	17.55
Alexandria	17.25
Chesapeake	16.56
Roanoke	16.41
Central Virginia	16.02
Rappahannock Rapidan	15.69
Rappahannock	15.61
Hanover	14.03
Central Shenandoah	13.83
Peninsula	13.65
Hampton	12.76
Prince William	12.41
New River	11.91
West Piedmont	11.24
Three Rivers	11.24
Arlington	9.63
Loudoun	9.20
Fairfax	8.75
Alleghany	8.72
Virginia Beach	8.42
Mount Rogers	6.78

Table 59. Hospital Discharge Rates (Age Adjusted and Ordered by Descending Values) in Virginia's Health Districts for a Primary Diagnosis of Asthma, 1997

Health District	Discharge Rate per 10,000
Richmond	48.65
Crater	37.26
Portsmouth	30.46
Southside	29.84
Eastern Shore	29.55
Piedmont	28.32
Cumberland Plateau	27.38
Lenowisco	25.09
Norfolk	21.80
Western Tidewater	20.95
Thomas Jefferson	20.45
Chesterfield	20.34
Central Virginia	18.40
Roanoke	18.35
Rappahannock	17.09
Henrico	17.04
Alexandria	16.79
Lord Fairfax	16.71
Chesapeake	16.33
Pittsylvania/Danville	16.24
New River	16.24
Rappahannock Rapidan	15.73
Prince William	14.92
Central Shenandoah	14.37
Hampton	14.19
Peninsula	13.96
Three Rivers	13.27
Hanover	12.99
West Piedmont	10.94
Mount Rogers	10.37
Virginia Beach	10.09
Alleghany	9.94
Loudoun	9.26
Arlington	9.13
Fairfax	8.55

Table 60. Hospital Discharge Rates  
(Age Adjusted and Ordered by  
Descending Values) in Virginia's  
Health Districts for a Primary  
Diagnosis of Asthma, 1998

Health District	Discharge Rate per 10,000
Crater	36.18
Richmond	34.45
Piedmont	28.08
Eastern Shore	26.38
Southside	24.35
Cumberland Plateau	23.12
Roanoke	20.85
Central Virginia	20.44
Portsmouth	19.92
Norfolk	19.23
Henrico	18.71
Lenowisco	18.08
Thomas Jefferson	17.37
Lord Fairfax	16.13
Pittsylvania/Danville	15.97
Chesterfield	15.91
Hampton	15.18
Western Tidewater	15.13
Prince William	14.80
Rappahannock	14.55
Chesapeake	13.89
Rappahannock Rapidan	13.84
Hanover	13.46
Peninsula	13.44
Alexandria	12.71
New River	12.51
West Piedmont	11.91
Three Rivers	11.31
Central Shenandoah	9.69
Alleghany	9.20
Loudoun	8.85
Fairfax	8.27
Virginia Beach	7.52
Mount Rogers	7.05
Arlington	6.18

Table 61. Hospital Discharge Rates  
(Age Adjusted and Ordered by  
Descending Values) in Virginia's  
Health Districts for a Primary  
Diagnosis of Asthma, 1999

Health District	Discharge Rate per 10,000
Richmond	42.77
Crater	38.91
Piedmont	32.92
Southside	29.21
Eastern Shore	27.76
Portsmouth	26.91
Roanoke	23.18
Central Virginia	22.85
Cumberland Plateau	20.31
Pittsylvania/Danville	20.15
Norfolk	19.89
Lenowisco	19.88
Lord Fairfax	19.30
Rappahannock	19.13
Chesterfield	18.79
Henrico	18.60
Western Tidewater	18.47
Rappahannock Rapidan	16.44
Hampton	16.24
Thomas Jefferson	16.13
Prince William	16.00
New River	15.18
Hanover	15.11
Chesapeake	14.93
Alexandria	14.52
Peninsula	12.97
Three Rivers	12.85
West Piedmont	12.48
Central Shenandoah	12.29
Loudoun	11.71
Mount Rogers	10.60
Alleghany	10.31
Arlington	9.61
Virginia Beach	8.45
Fairfax	8.16

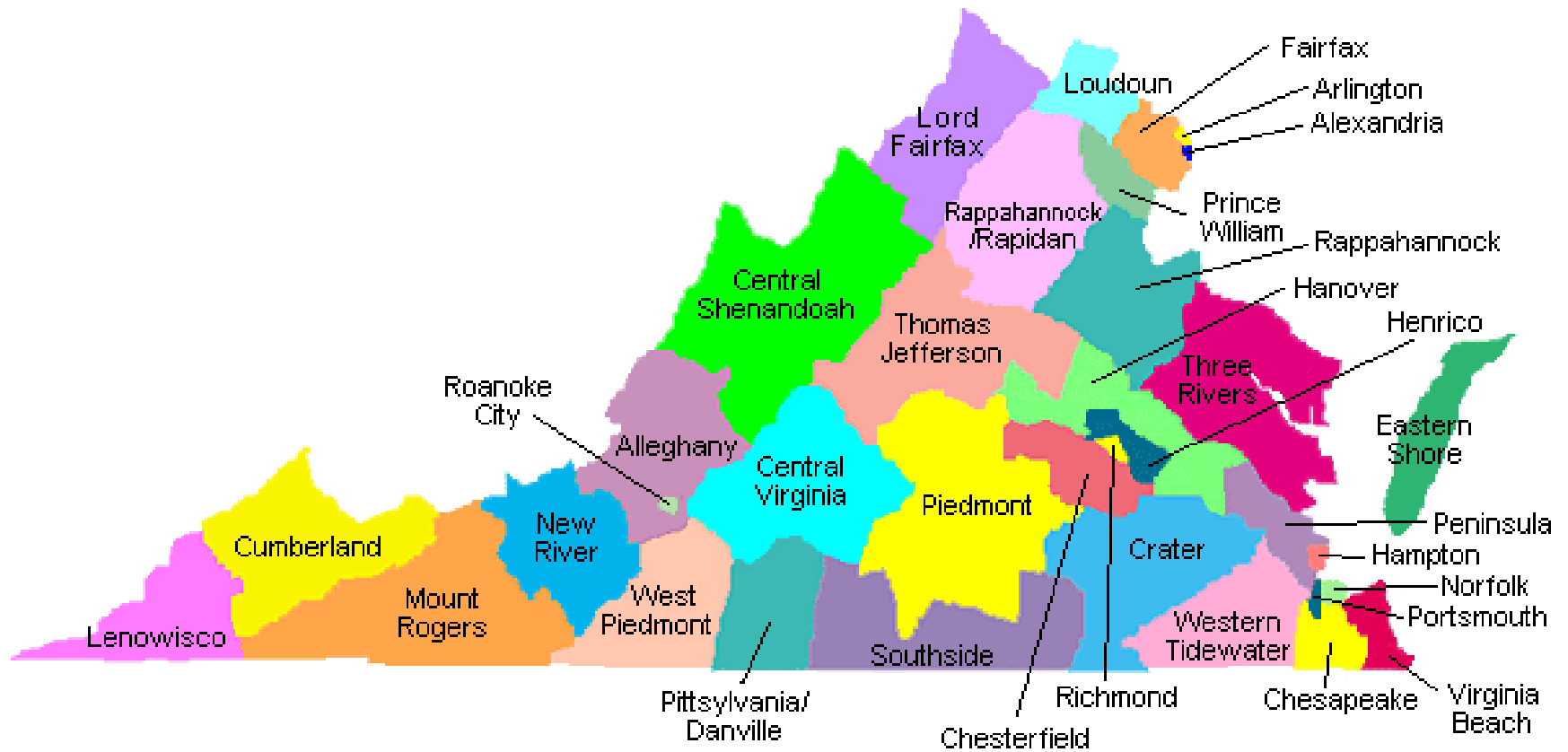
Table 62. Hospital Discharge Rates  
(Age Adjusted and Ordered by  
Descending Values) in Virginia's  
Health Districts for a Primary  
Diagnosis of Asthma, 2000

Health District	Discharge Rate per 10,000
Richmond	40.35
Crater	31.03
Piedmont	25.69
Cumberland Plateau	22.86
Roanoke	21.80
Eastern Shore	21.37
Southside	20.91
Portsmouth	19.55
Rappahannock	19.13
Central Virginia	18.74
Pittsylvania/Danville	17.98
Henrico	17.60
Chesterfield	16.53
Three Rivers	16.01
Norfolk	15.49
Western Tidewater	15.36
Thomas Jefferson	15.22
Hanover	15.21
Rappahannock Rapidan	13.81
Lord Fairfax	13.72
Hampton	13.52
Prince William	12.98
Lenowisco	12.75
New River	12.54
Chesapeake	12.29
Alexandria	12.03
Peninsula	11.94
Central Shenandoah	11.91
Alleghany	10.89
West Piedmont	10.43
Mount Rogers	10.04
Loudoun	10.04
Arlington	7.53
Fairfax	7.07
Virginia Beach	7.02

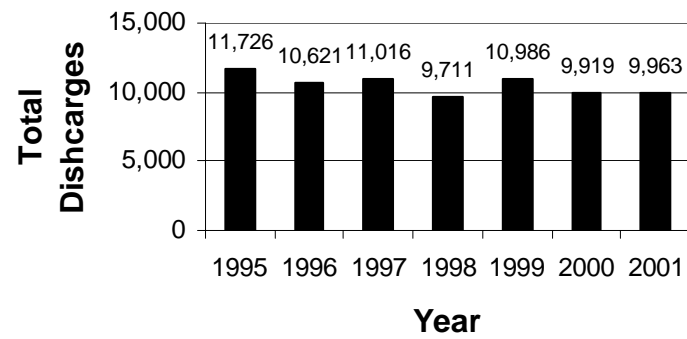
Table 63. Hospital Discharge Rates  
(Age Adjusted and Ordered by  
Descending Values) in Virginia's  
Health Districts for a Primary  
Diagnosis of Asthma, 2001

Health District	Discharge Rate per 10,000
Richmond	39.91
Crater	32.21
Piedmont	26.14
Cumberland Plateau	25.36
Portsmouth	21.54
Roanoke	21.36
Southside	20.47
Pittsylvania/Danville	20.04
Eastern Shore	18.34
Lord Fairfax	17.87
Central Virginia	17.36
Henrico	16.95
Rappahannock	16.92
Lenowisco	16.65
Chesterfield	16.49
Norfolk	16.07
Thomas Jefferson	15.77
Alexandria	15.51
Prince William	14.74
Hanover	14.59
Three Rivers	13.60
West Piedmont	12.69
Central Shenandoah	12.52
Alleghany	12.12
Peninsula	12.04
Rappahannock Rapidan	11.90
Western Tidewater	11.54
New River	11.11
Chesapeake	10.92
Hampton	10.78
Mount Rogers	9.68
Loudoun	9.37
Arlington	7.79
Fairfax	7.63
Virginia Beach	5.73

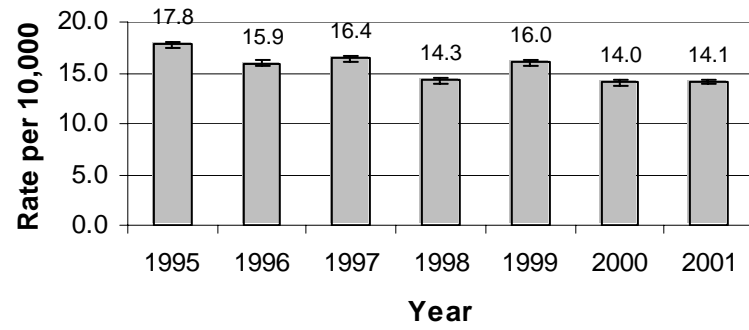
Figure 1. Virginia's Health Districts



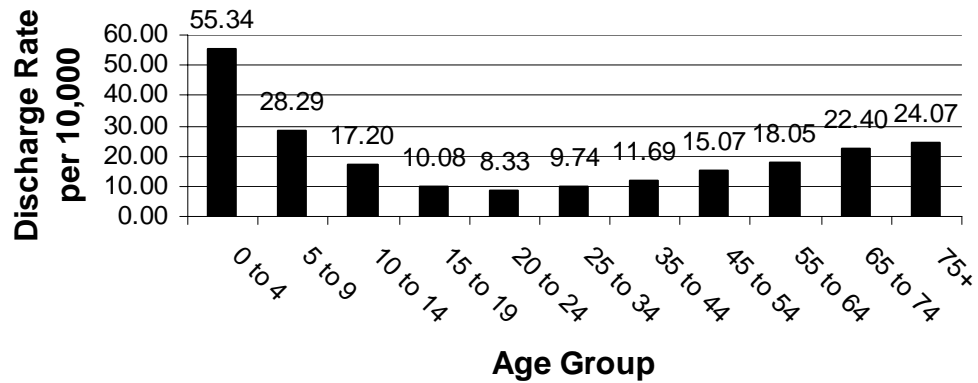
**Figure 2. Hospital Discharges in Virginia with a Primary Diagnosis of Asthma, 1995-2001**



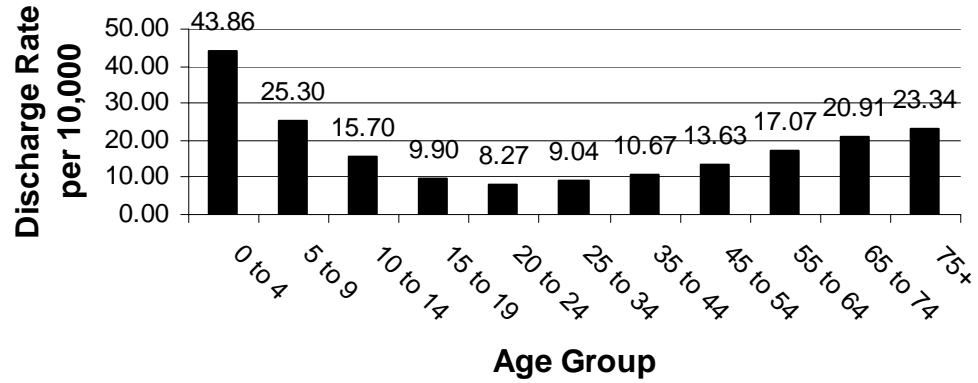
**Figure 3. Hospital Discharge Rates in Virginia for a Primary Diagnosis of Asthma, 1995-2001**



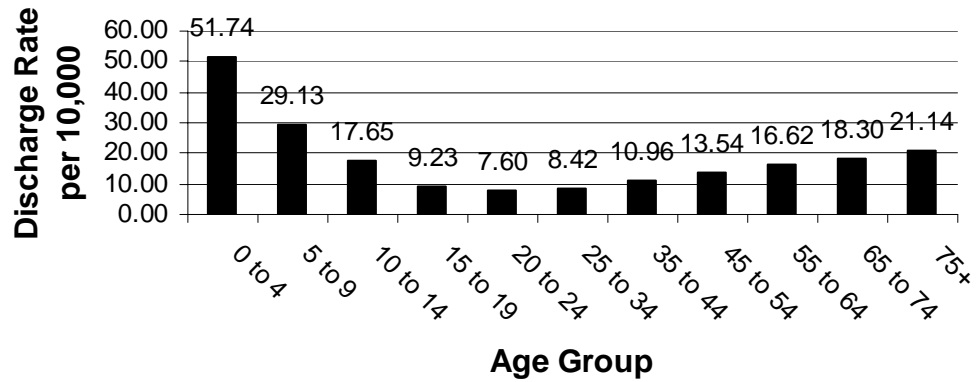
**Figure 4. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 1995**



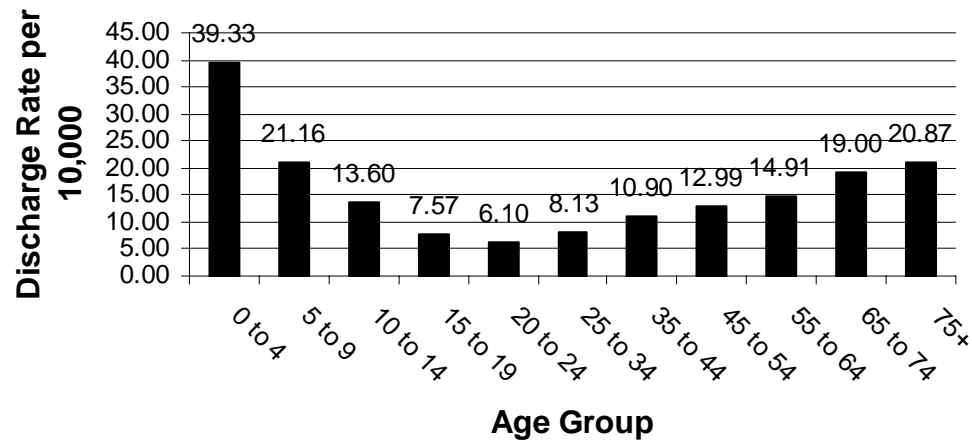
**Figure 5. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 1996**



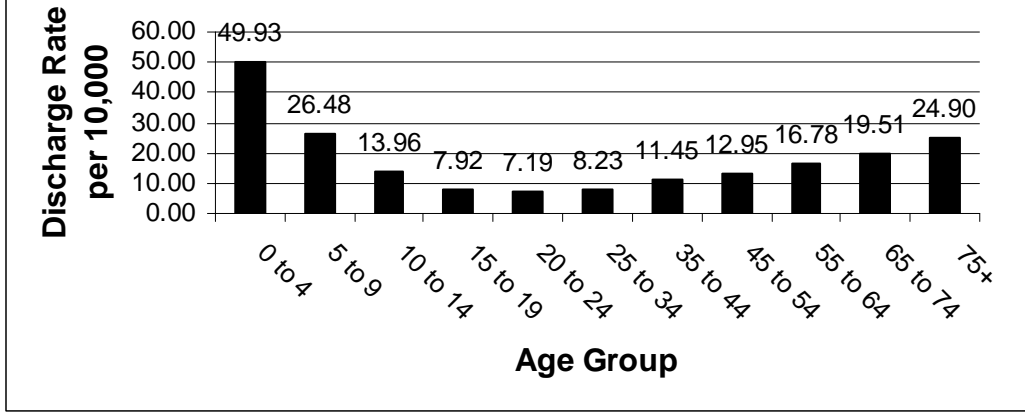
**Figure 6. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 1997**



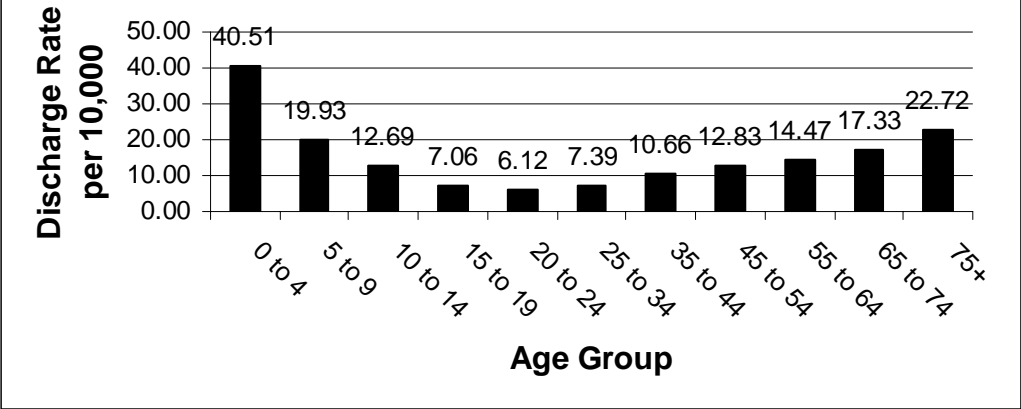
**Figure 7. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 1998**



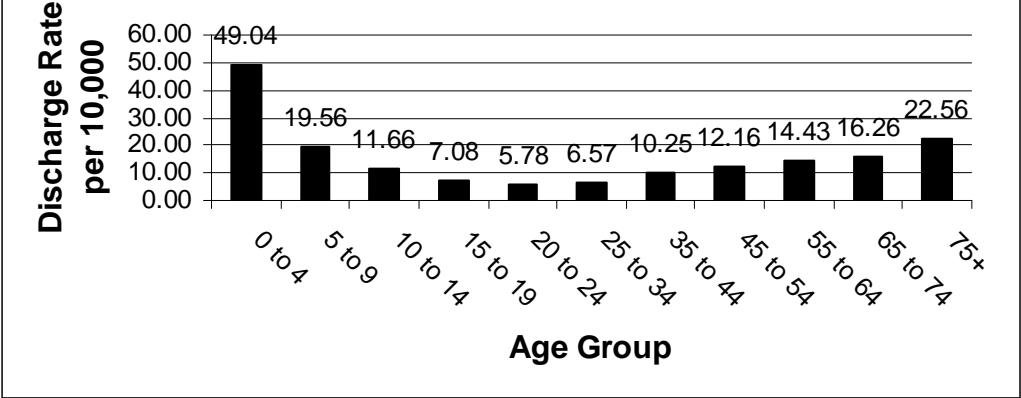
**Figure 8. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 1999**



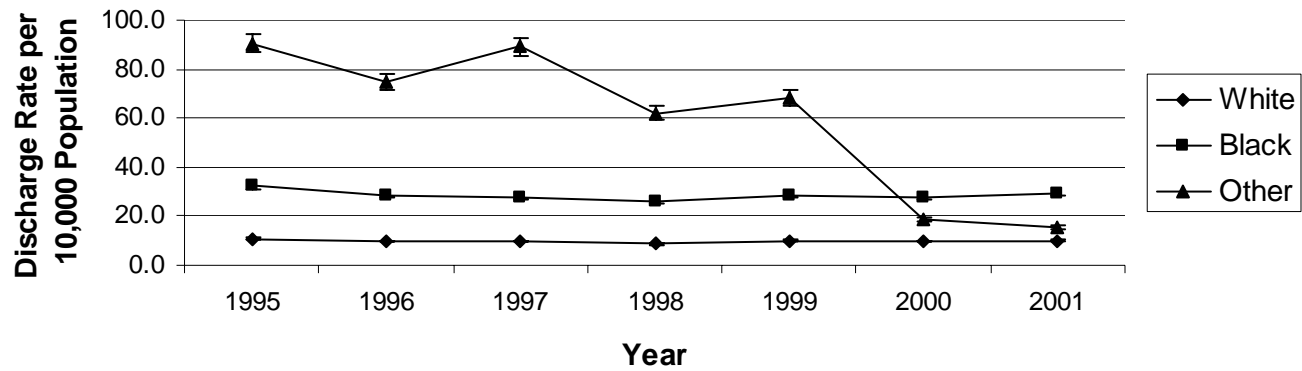
**Figure 9. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 2000**



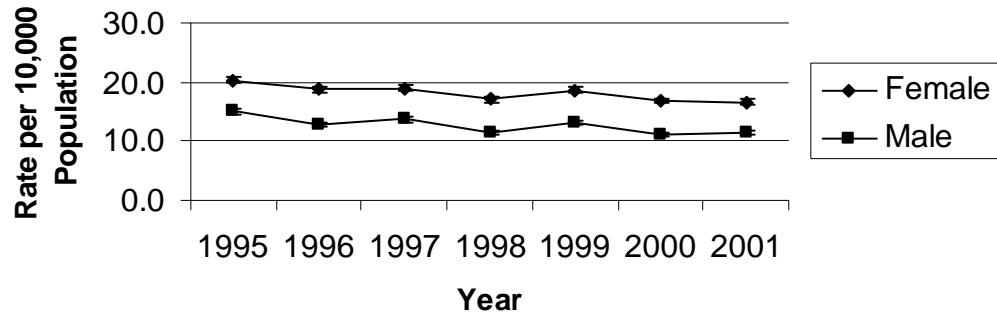
**Figure 10. Hospital Discharge Rates by Age Group in Virginia for a Primary Diagnosis of Asthma, 2001**



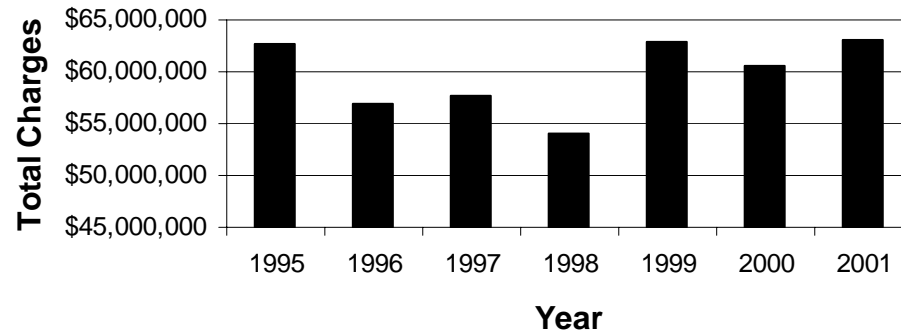
**Figure 11. Hospital Discharge Rates in Virginia for a Primary Diagnosis of Asthma by Race, 1995-2001**



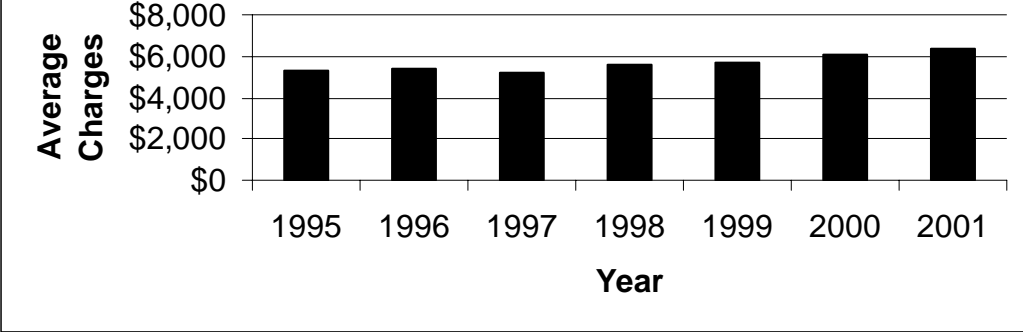
**Figure 12. Hospital Discharge Rates in Virginia with a Primary Diagnosis of Asthma by Gender, 1995-2001**



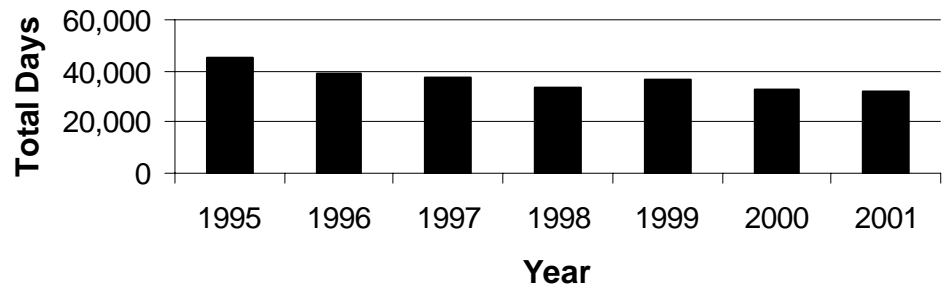
**Figure 13. Total Hospital Charges in Virginia for Discharges with a Primary Diagnosis of Asthma, 1995-2001**



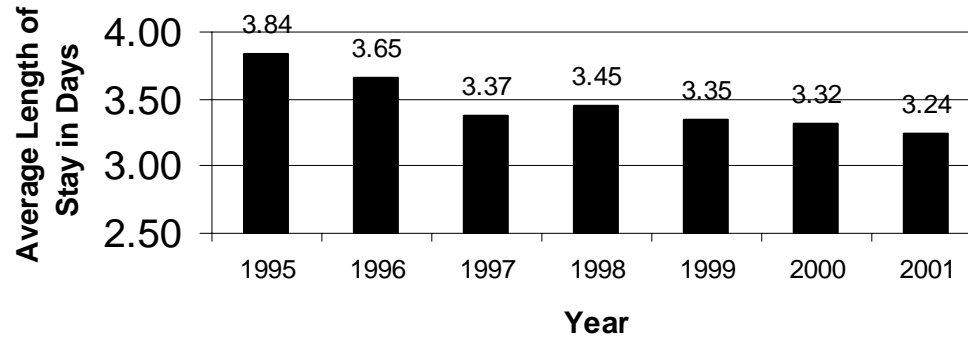
**Figure 14. Average Charges for a Hospital Stay in Virginia for Discharges with a Primary Diagnosis of Asthma, 1995-2001**



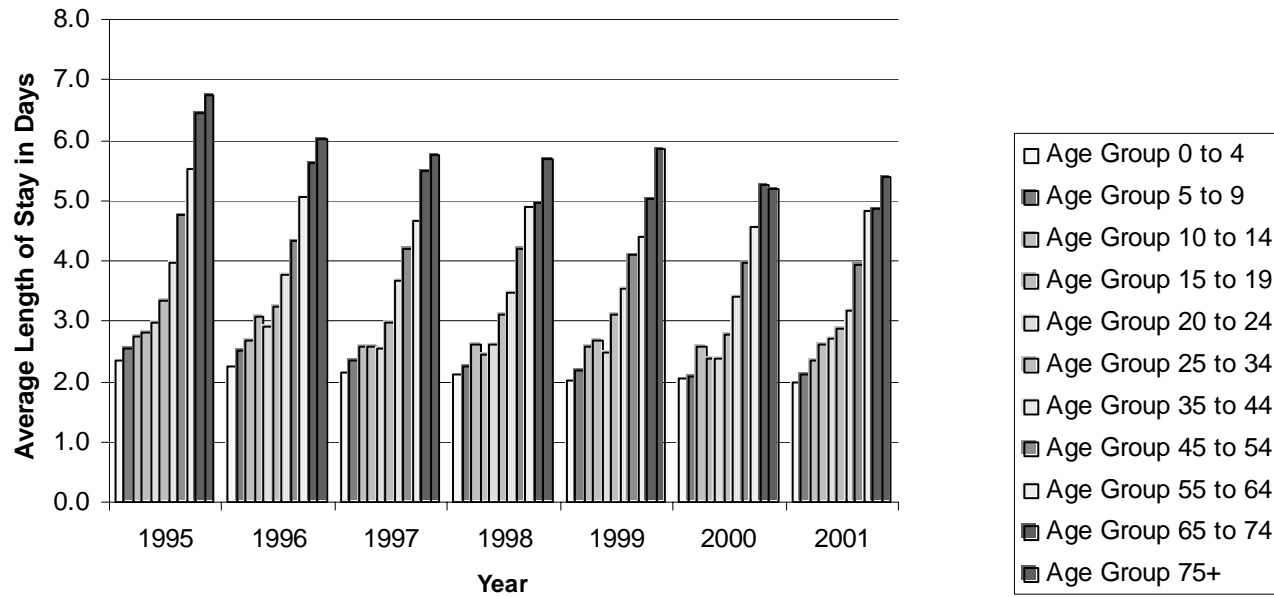
**Figure 15. Total Days of Hospitalization in Virginia for Discharges with a Primary Diagnosis of Asthma, 1995-2001**



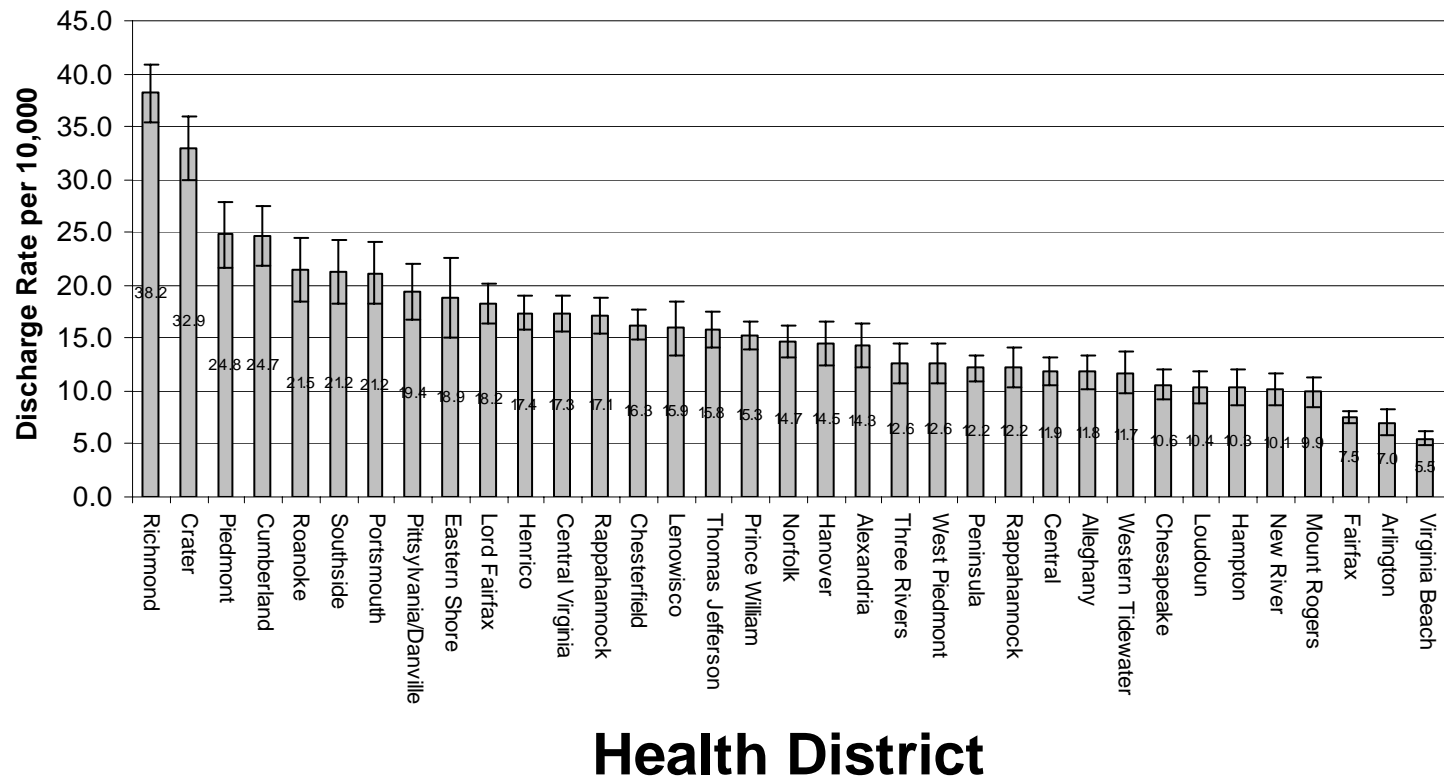
**Figure 16. Average Length of Hospital Stay  
in Virginia for Discharges with a Primary  
Diagnosis of Asthma, 1995-2001**



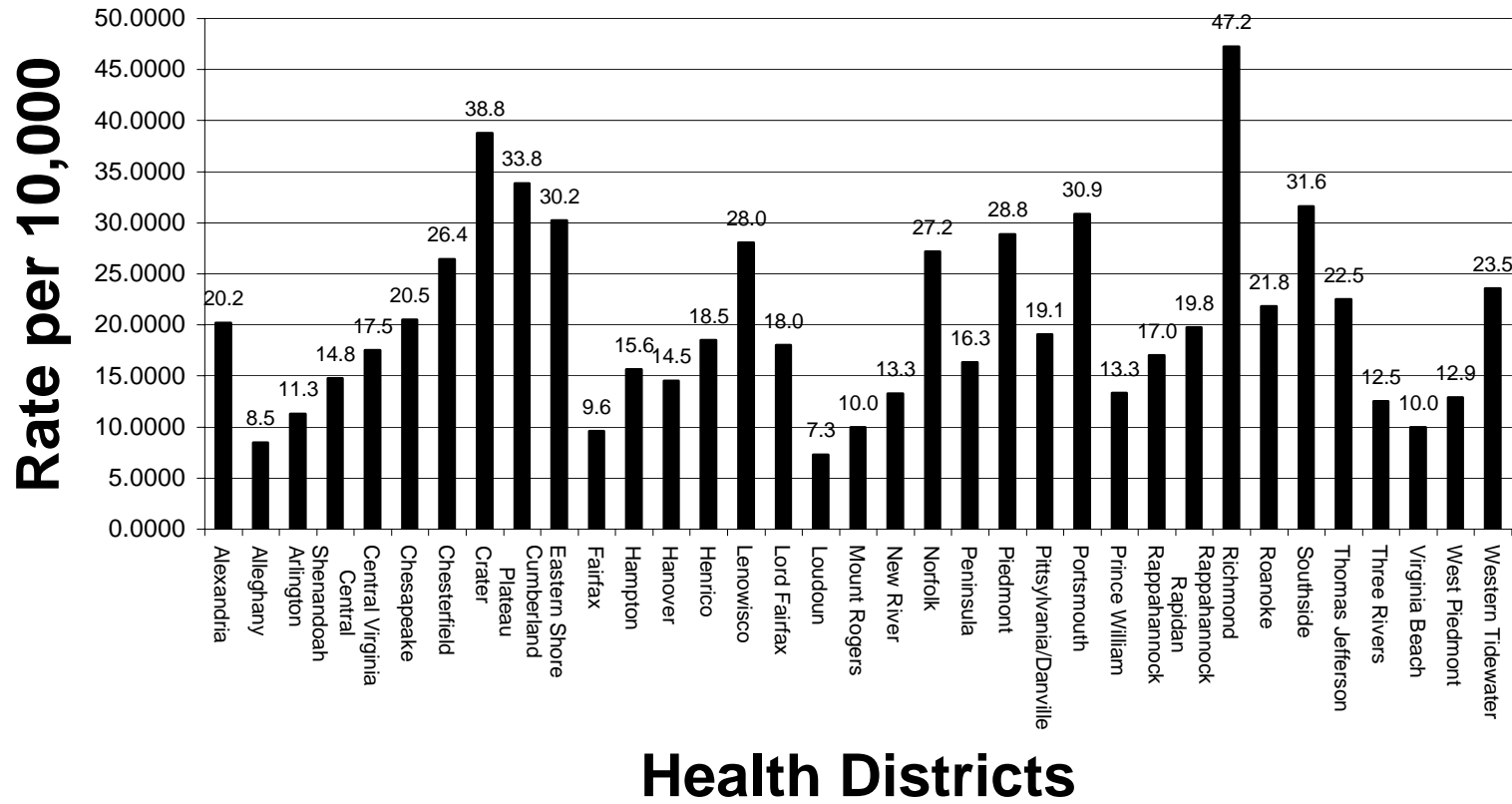
**Figure 17. Average Length of Stay in Virginia for Discharges with a Primary Diagnosis of Asthma by Age Group, 1995-2001**



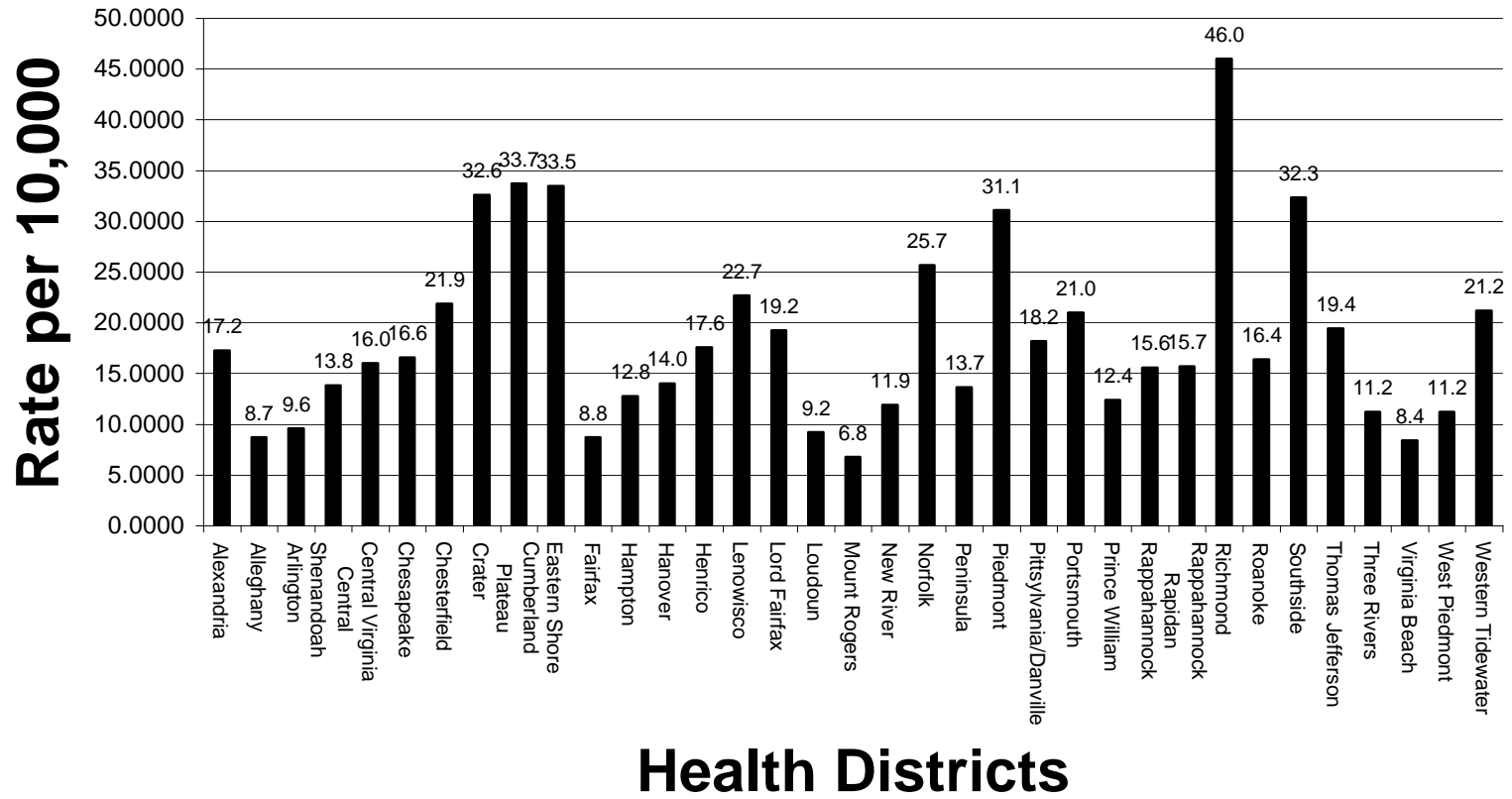
**Figure 18. Hospital Discharge Rate (Unadjusted) with a Primary Diagnosis of Asthma for Virginia's Health Districts, 2001**



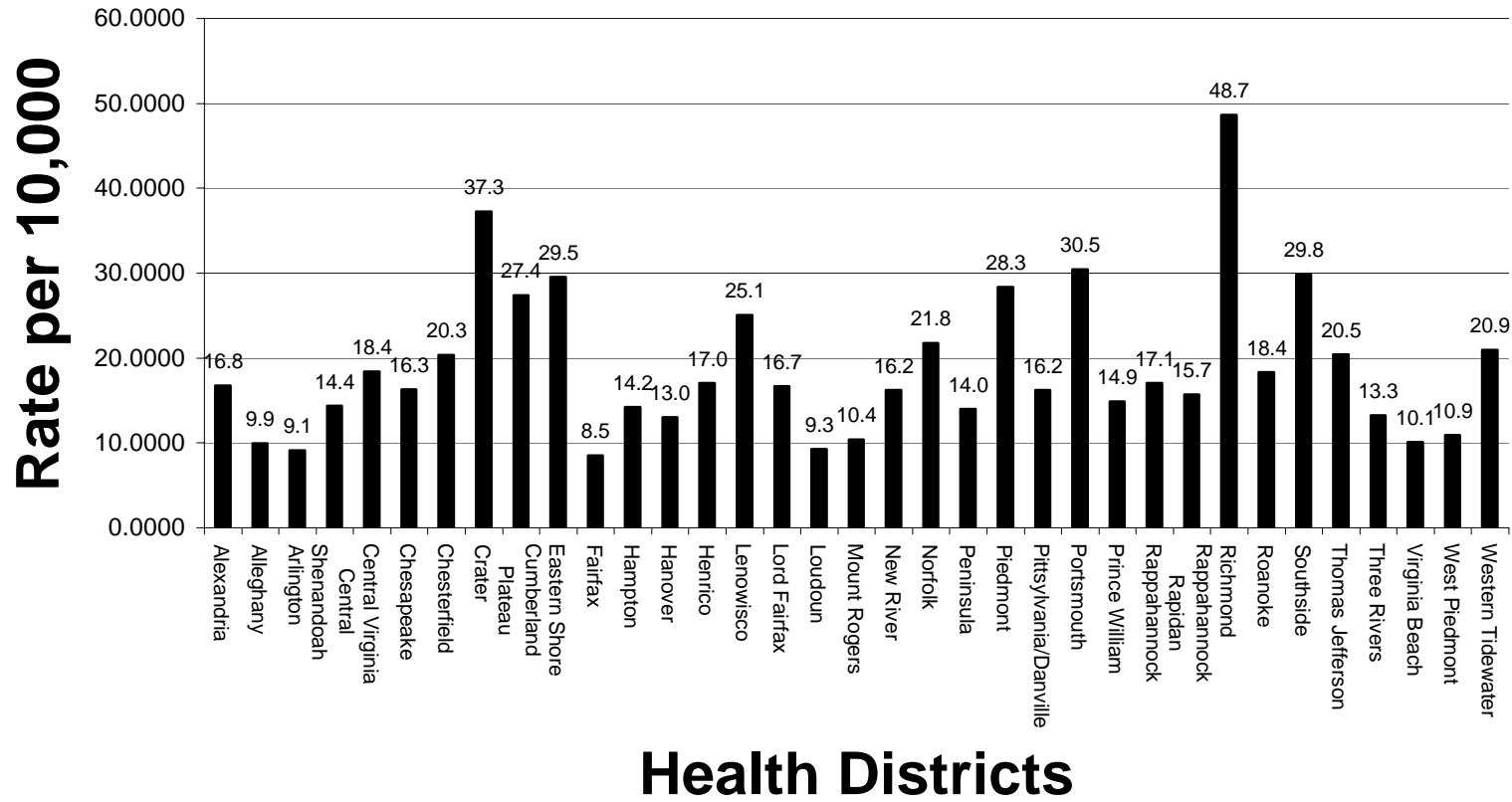
**Figure 19. Hospital Discharge Rates (Age Standardized) in Virginia's Health Districts for a Primary Primary Diagnosis of Asthma, 1995**



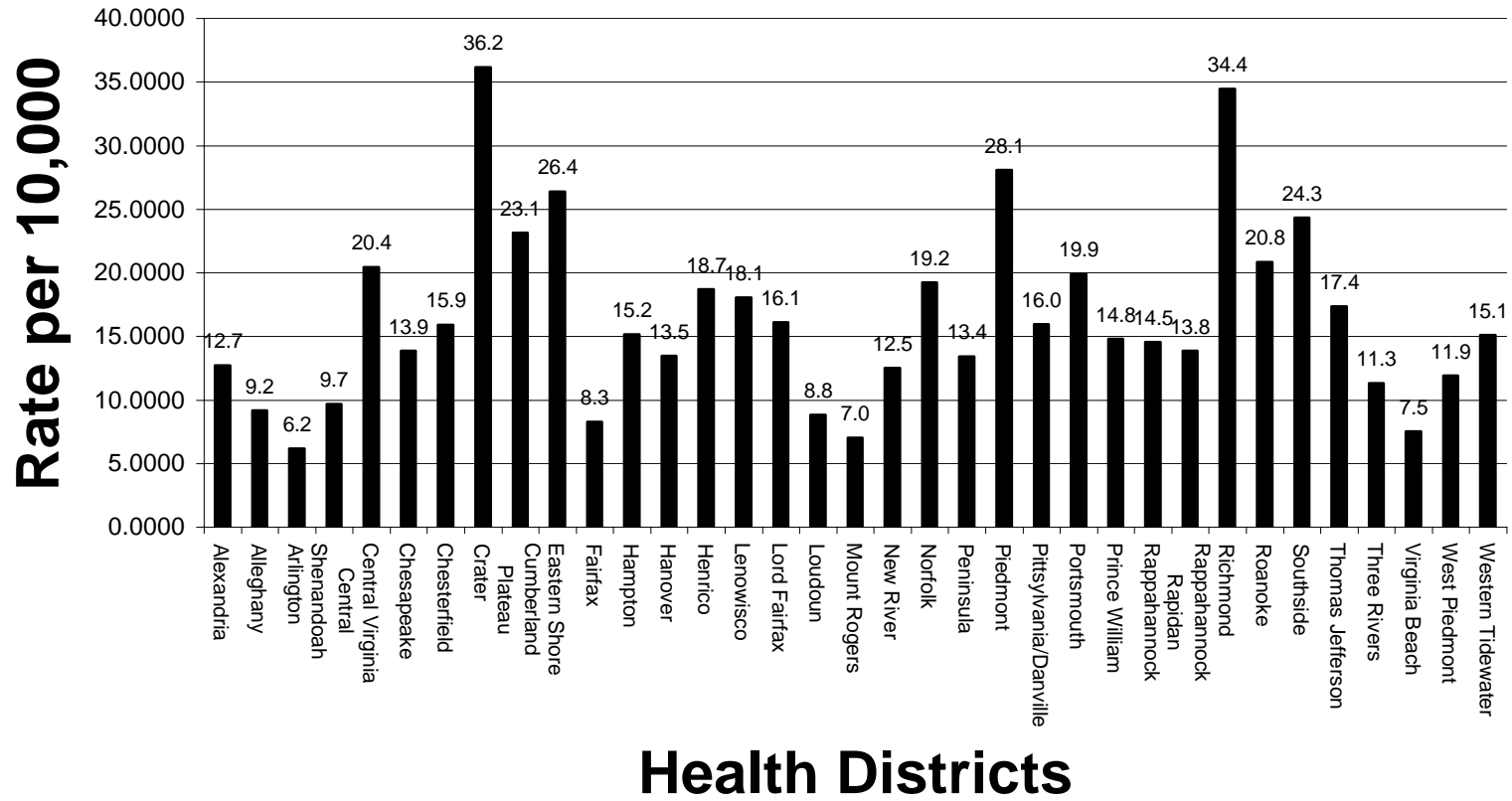
**Figure 20. Hospital Discharge Rates (Age Standardized) in Virginia's Health Districts for a Primary Primary Diagnosis of Asthma, 1996**



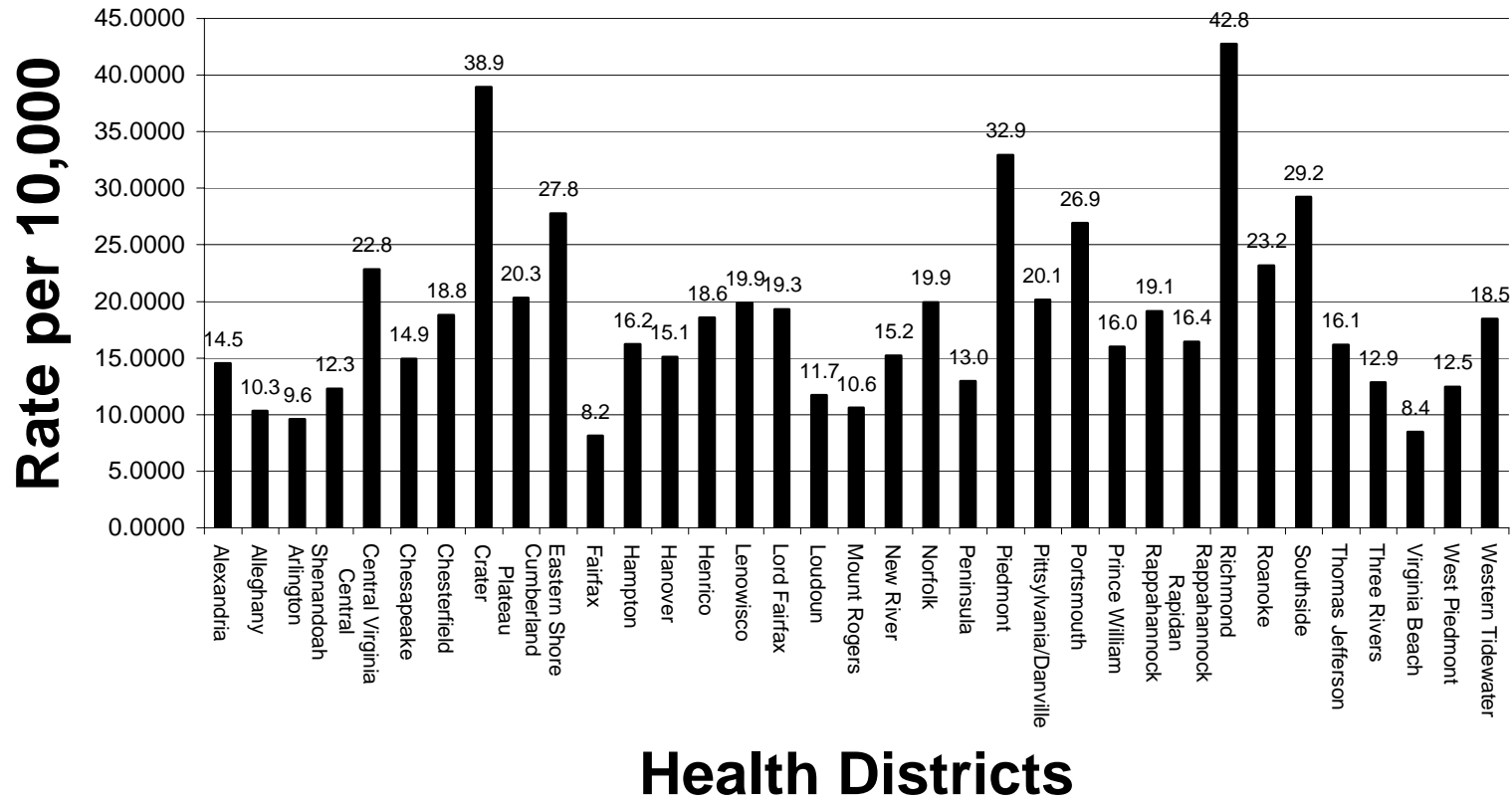
**Figure 21. Hospital Discharge Rates (Age Standardized) in Virginia's Health Districts for a Primary Primary Diagnosis of Asthma, 1997**



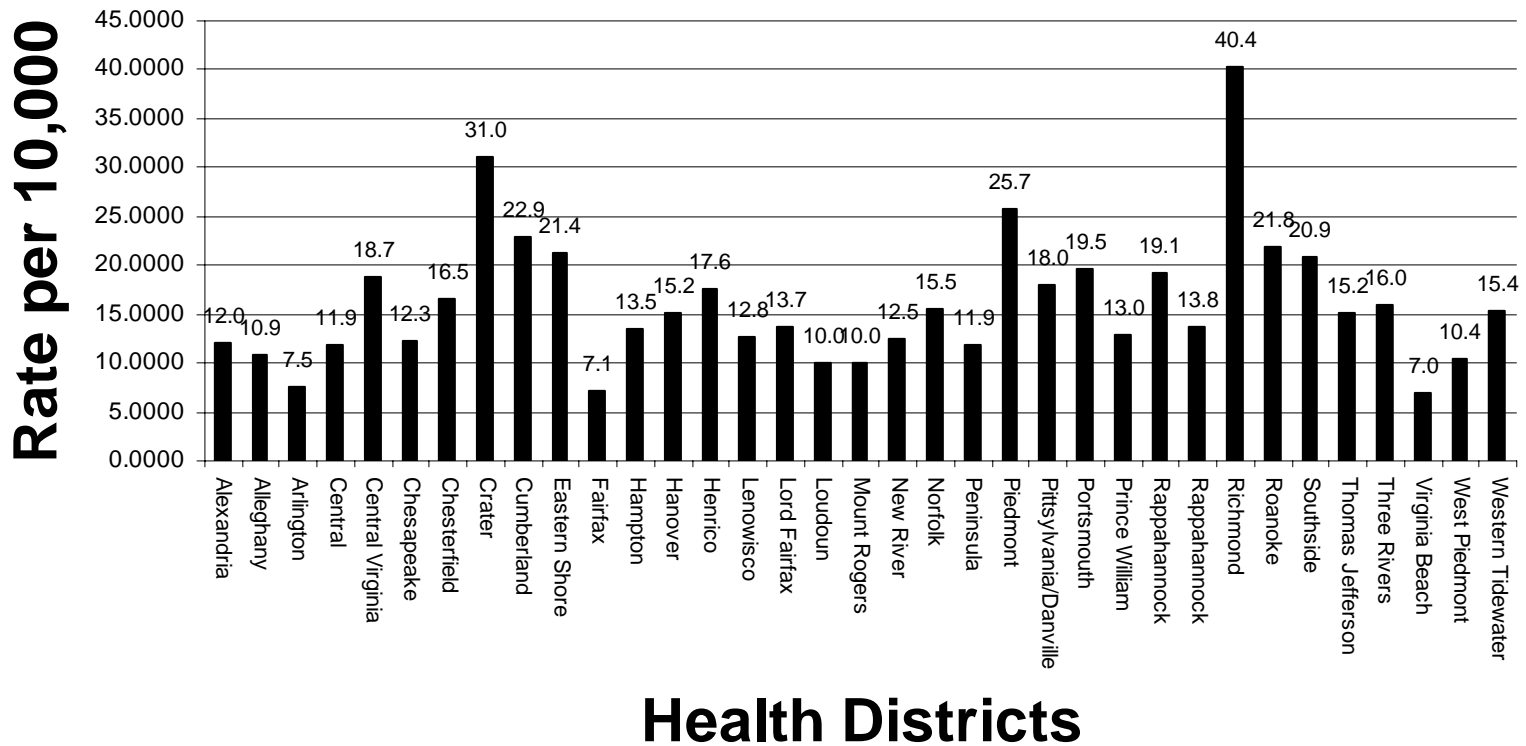
**Figure 22. Hospital Discharge Rates (Age Standardized) in Virginia's Health Districts for a Primary Primary Diagnosis of Asthma, 1998**



**Figure 23. Hospital Discharge Rates (Age Standardized) in Virginia's Health Districts for a Primary Primary Diagnosis of Asthma, 1999**



**Figure 24. Hospital Discharge Rates (Age Standardized) in Virginia's Health Districts for a Primary Primary Diagnosis of Asthma, 2000**



**Figure 25. Hospital Discharge Rates (Age Standardized) in Virginia's Health Districts for a Primary Primary Diagnosis of Asthma, 2001**

