
Virginia's Audiology Workforce: 2012

Healthcare Workforce Data Center

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345 Audiologists voluntarily participated in this survey. Without their efforts the work of the center would not be possible. The Department of Health Professions, the Healthcare Workforce Data Center, and the Board of Audiology and Speech-Language Pathology express our sincerest appreciation for your ongoing cooperation.

Thank You!

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The Audiology Workforce: At a Glance:

The Workforce

Licensees:	484
Virginia's Workforce:	385
FTEs:	361

Background

Rural Childhood:	25%
HS Degree in VA:	37%
Prof. Degree in VA:	34%

Current Employment

Employed in Prof.:	91%
Hold 1 Full-time Job:	70%
Satisfied?:	97%

Survey Response Rate

All Licensees:	71%
Renewing Practitioners:	77%

Education

Au.D.:	58%
Au.D. or Doctorate:	69%

Job Turnover

Switched Jobs in 2012:	3%
Employed over 2 yrs:	69%

Demographics

Female:	85%
Diversity Index:	22%
Median Age:	46

Finances

Median Salary:	\$60k-\$70k
Health Benefits:	55%
Under 40 w/ Ed debt:	59%

Time Allocation

Patient Care:	70-79%
Administration:	10-19%
Primarily in PC:	75%

Source: Va. Healthcare Workforce Data Center

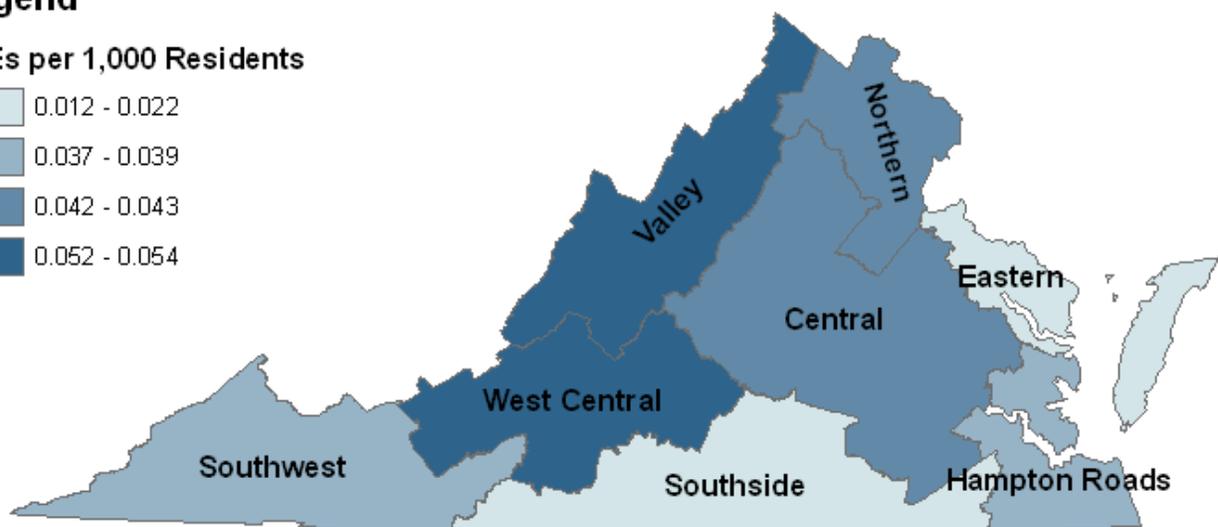
Full Time Equivalency Units per 1,000 Residents by Council on Virginia's Future Region

Source: Va Healthcare Workforce Data Center

Legend

FTEs per 1,000 Residents

	0.012 - 0.022
	0.037 - 0.039
	0.042 - 0.043
	0.052 - 0.054



July 2012 Population Estimates
from the University of Virginia's
Weldon Cooper Center for Public Service



345 audiologists voluntarily took part in the 2012 Audiology Workforce Survey. The Virginia Department of Health Professions' Healthcare Workforce Data Center (HWDC) administers the survey during the license renewal period, which occurs in December for audiologists. These survey respondents represent 71% of the 484 audiologists licensed in the state and 78% of renewing practitioners.

The HWDC estimates that 385 audiologists participated in Virginia's workforce in 2012, which is defined as those who worked at least a portion of the year in the state or who live in the state and plan on returning to work as an audiologist at some point. These audiologists provided 361 "full-time equivalency units" in 2012, which the HWDC defines as working 2,000 hours per year (or 40 hours per week for 50 weeks per year, assuming two weeks off).

91% of audiologists were employed in the profession at the time of the survey. Seven in ten held one full-time position, while 15% held one part-time position. Meanwhile, one in ten audiologists held two or more positions. Overall, audiologists are very happy with the current status of their careers: 97% were satisfied with their employment situation, including more than two-thirds who were "very satisfied."

85% of audiologists are female, and this percentage increases among younger cohorts. The median age for audiologists is 46, which is approximately five years higher than the median age for Virginia's workforce. Audiologists tend to be less diverse than Virginia's population as a whole. In a random encounter between two audiologists, the probability that they would be of different races or ethnicities is only 22%. For the state population as a whole, that probability is 54%.

Nearly two-thirds of audiologists grew up in a suburban environment as children. One-quarter had a rural background, and, of this group, 20% now work as audiologists in a non-Metro area of the state. Only 37% of Virginia's audiologists went to high school in the state, and just 34% went to a school in Virginia in order to earn the degree that made them eligible to practice audiology in the state. Tennessee, Washington D.C, and Maryland were the locations that supplied the most audiologists from outside of Virginia.

31% of audiologists had a Masters degree as their highest audiology degree, while 68% earned either a Ph.D or a Au.D. 31% of all audiologists currently carry educational debt, although that percentage climbs to 59% for those who are under the age of 40. For those who carried educational debt, the median debt level was \$30,000-\$40,000.

The median income for audiologists was between \$60,000 and \$70,000 per year, and half of all audiologists earned between \$40,000 and \$80,000 per year. Many also received considerable employer-sponsored benefits: two-thirds received paid leave and vacation, while more than half received health insurance and retirement benefits.

Audiologists also had considerable job security in their profession. 69% had been working at their primary work location for at least two years, and only 13% either switched jobs or began work at a new location during the year. In addition, only 2% of licensed audiologists were either involuntarily unemployed or underemployed.

Audiologists focused most of their attention on caring for patients. The typical audiologist spent between 70% and 79% of his or her time on patient care; most of the remaining time was spent on administrative tasks. Three out of four audiologists spent at least 60% of their time in a patient care role, while only 4% did the same in either an administrative or educational role.

A Closer Look:

Licensees		
License Status	#	%
Renewing Practitioners	444	92%
New Licensees	22	5%
Non-Renewals	20	4%
All Licensees	484	100%

Source: Va. Healthcare Workforce Data Center

Our surveys tend to achieve very high response rates. 77% of renewing Audiologists submitted a survey. These represent 71% of Audiologists who held a license at some point in 2012.

Statistic	Response Rates		Response Rate
	Non Respondents	Respondent	
By Age			
Under 30	17	15	47%
30 to 34	18	41	70%
35 to 39	16	58	78%
40 to 44	17	45	73%
45 to 49	19	40	68%
50 to 54	22	43	66%
55 to 59	10	52	84%
60 and Over	20	51	72%
Total	139	345	71%
New Licenses			
Issued in 2012	18	4	18%
Metro Status			
Non-Metro	13	17	57%
Metro	93	263	74%
Not in Virginia	34	65	66%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Licensed Audiologists

Number:	484
New:	5%
Not Renewed:	4%

Response Rates

All Licensees:	71%
Renewing Practitioners:	77%

Source: Va. Healthcare Workforce Data Center

Response Rates

Completed Surveys	345
Response Rate, all licensees	71%
Response Rate, Renewals	77%

Source: Va. Healthcare Workforce Data Center

Definitions

- 1. The Survey Period:** The survey was conducted in December 2012.
- 2. Target Population:** All Audiologists who held a Virginia license at some point in 2012.
- 3. Survey Population:** The survey was available to those who renewed their licenses online. It was not available to those who did not renew, including some Audiologists newly licensed in 2012.

At a Glance:

Workforce

2012 Audiology Workforce: 385
 FTEs: 361

Utilization Ratios

Licensees in VA Workforce: 80%
 Licensees per FTE: 1.34
 Workers per FTE: 1.07

Source: Va. Healthcare Workforce Data Center

Definitions

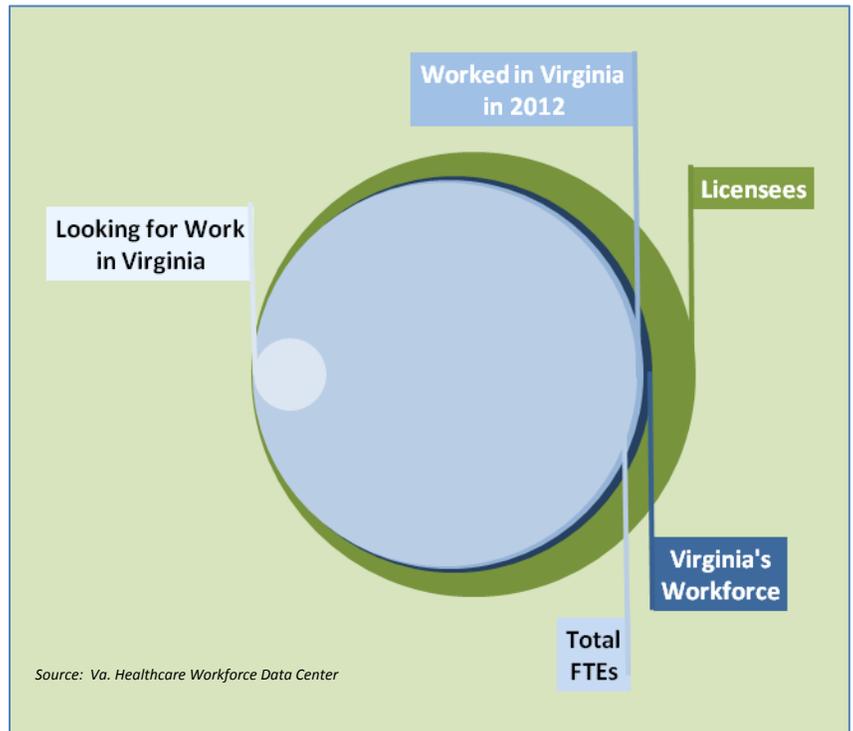
- 1. Virginia's Workforce:** A licensee with a primary or secondary work site in Virginia at any time in 2012 or who indicated intent to return to Virginia's workforce at any point in the future.
- 2. Full Time Equivalency Unit (FTE):** The HWDC uses 2,000 (40 hours for 50 weeks) as its baseline measure for FTEs.
- 3. Licensees in VA Workforce:** The proportion of licensees in Virginia's Workforce.
- 4. Licensees per FTE:** An indication of the number of licensees needed to create 1 FTE. Higher numbers indicate lower licensee participation.
- 5. Workers per FTE:** An indication of the number of workers in Virginia's workforce needed to create 1 FTE. Higher numbers indicate lower utilization of available workers.

Virginia's Audiology Workforce		
Status	#	%
Worked in Virginia in Past Year	371	96%
Looking for Work in Virginia	13	3%
Virginia's Workforce	385	100%
Total FTEs	361	
Licensees	484	

Source: Va. Healthcare Workforce Data Center

This report uses weighting to estimate the figures in this report. Unless otherwise noted, figures refer to the Virginia Workforce only. For more information on HWDC's methodology visit:

www.dhp.virginia.gov/hwdc



Source: Va. Healthcare Workforce Data Center

A Closer Look:

Age & Gender						
Age	Male		Female		Total	
	#	% Male	#	% Female	#	% in Age Group
Under 30	0	0%	31	100%	31	8%
30 to 34	4	9%	42	91%	47	13%
35 to 39	4	6%	55	94%	59	16%
40 to 44	1	3%	42	97%	43	12%
45 to 49	10	20%	38	80%	48	13%
50 to 54	11	22%	40	78%	51	14%
55 to 59	10	22%	35	78%	44	12%
60 +	16	33%	33	68%	50	13%
Total	56	15%	316	85%	372	100%

Source: Va. Healthcare Workforce Data Center

Race & Ethnicity					
Race/ Ethnicity	Virginia*	Audiologists		Audiologists Under 40	
	%	#	%	#	%
White	64%	340	88%	118	87%
Black	19%	12	3%	8	6%
Asian	6%	12	3%	6	4%
Other Race	0%	0	0%	0	0%
Two or more races	2%	4	1%	0	0%
Hispanic	8%	10	3%	2	1%
Total	100%	378	100%	136	100%

*Population data in this chart is from the US Census, ACS 1-yr estimates, 2011 vintage.

Source: Va. Healthcare Workforce Data Center

85% of Virginia's Audiologists are female, and this percentage rises to 93% for Audiologists under the age of 40. All age cohorts are well represented among Audiologists: 37% are under the age of 40, while one-quarter are over age 55.

At a Glance:

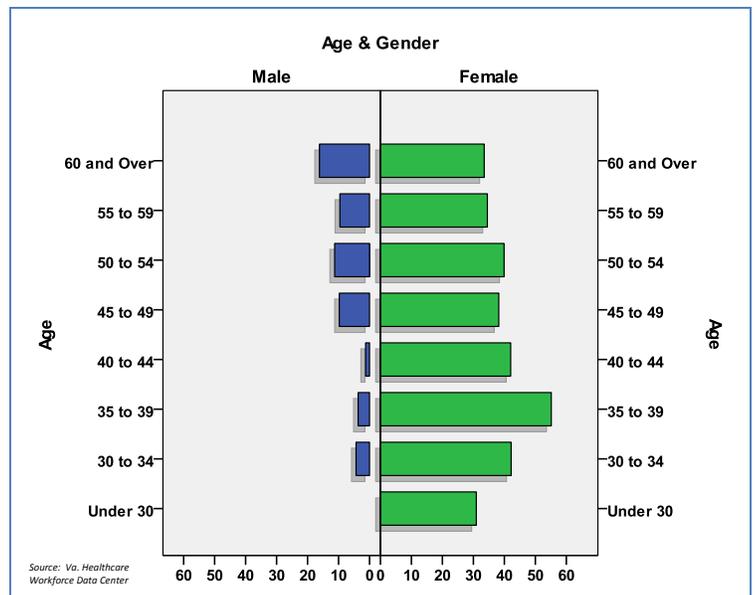
Gender
 % Female: 85%
 % Under 40 Female: 93%

Age
 Median Age: 46
 % Under 40: 37%
 % 55+: 25%

Diversity
 Diversity Index: 22%
 Under 40 Div. Index: 24%

Source: Va. Healthcare Workforce Data Center

In a chance encounter between two Audiologists, there is a 22% chance that they would be of a different race/ethnicity (a measure known as the Diversity Index), compared to a 54% chance for Virginia's population. The Diversity Index increases slightly to 24% for Audiologists under age 40.



At a Glance:

Childhood

Urban Childhood: 11%
 Rural Childhood: 25%

Virginia Background

HS in Virginia: 37%
 Audiology Educ. in VA: 34%
 HS or Aud. Ed. in VA: 46%

Location Choice

% Rural to Non-Metro: 20%
 % Urban/Suburban to Non-Metro: 3%

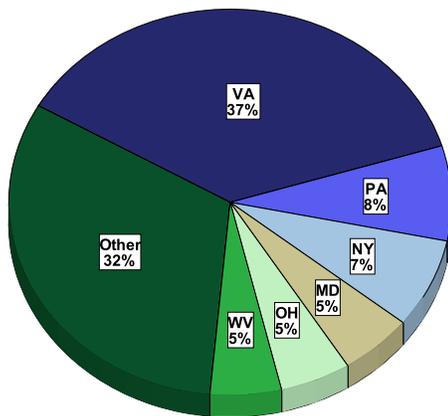
Source: Va. Healthcare Workforce Data Center

A Closer Look:

Primary Location:		Rural Status of Childhood Location		
Code	USDA Rural Urban Continuum Description	Rural	Suburban	Urban
Metro Counties				
1	Metro, 1 million+	19%	70%	12%
2	Metro, 250,000 to 1 million	31%	59%	10%
3	Metro, 250,000 or less	32%	57%	11%
Non-Metro Counties				
4	Urban pop 20,000+, Metro adj	33%	67%	-
6	Urban pop, 2,500-19,999, Metro adj	100%	-	-
7	Urban pop, 2,500-19,999, nonadj	83%	-	17%
9	Rural, nonadj	-	100%	-
Overall		25%	64%	11%

Source: Va. Healthcare Workforce Data Center

High School Location

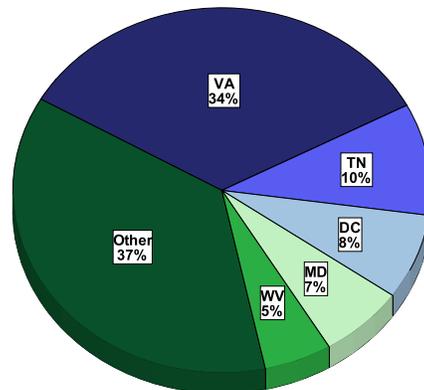


Source: Va. Healthcare Workforce Data Center

25% of Audiologists grew up in self-described rural areas but only 8% work in Non-Metro counties. Only 1 in 5 Audiologists who grew up in rural areas work in a Non-Metro county today, and only 3% who grew up in urban or suburban areas work in Non-Metro counties

Fewer than half of Virginia's Audiologists have a background in the state. Approximately 1 in 3 are graduates of Virginia High Schools, and a similar proportion completed their initial professional degree in Virginia.

Location, Initial Professional Degree



Source: Va. Healthcare Workforce Data Center

Top Ten States for Audiology Recruitment

Rank	All Audiologists			
	High School	#	Professional School	#
1	Virginia	137	Virginia	124
2	Pennsylvania	29	Tennessee	36
3	New York	28	Washington DC	28
4	Maryland	20	Maryland	24
5	West Virginia	19	West Virginia	19
6	Ohio	19	New York	14
7	Michigan	13	Michigan	12
8	Outside of the US	12	North Carolina	11
9	North Carolina	11	Ohio	11
10	New Jersey	9	Pennsylvania	10

Source: Va. Healthcare Workforce Data Center

Outside of Virginia, Pennsylvania and New York were the states in which Virginia's audiologists were most likely to receive a high school diploma. With respect to their initial professional education, however, Tennessee and Washington, D.C. were the largest suppliers of audiologists, outside the Virginia.

Rank	Licensed in the Past 5 Years			
	High School	#	Professional School	#
1	Virginia	25	Tennessee	16
2	Pennsylvania	11	Virginia	13
3	New York	8	Maryland	13
4	West Virginia	6	West Virginia	6
5	Outside of the US	5	Washington DC	6
6	Tennessee	5	New York	3
7	Maryland	5	Pennsylvania	3
8	Michigan	4	Iowa	3
9	New Jersey	3	Michigan	3
10	Mississippi	2	Connecticut	3

Source: Va. Healthcare Workforce Data Center

Licenses who did not participate in Virginia's Audiology Workforce A potential source of Audiologists for Virginia?

More than one in five Audiology licenses did not participate in Virginia's workforce in 2012. 90% had worked at some point in the past year, and 88% were currently working as Audiologists. More than one in three worked in a state bordering Virginia or in Washington DC. More than 1 in 10 were in federal service, including 2% who were in the military.

At a Glance:

Not in VA Workforce

Total:	100
% of Licensees:	21%
Federal/Military:	11%
Va Border State/DC:	37%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Highest Audiology Degree		
Degree	#	%
Masters Degree	116	31%
Doctorate	38	10%
Au.D	215	58%
Total	369	100%

Source: Va. Healthcare Workforce Data Center

More than two-thirds of audiologists have a Doctorate degree, including 58% who have a Doctorate of Audiology (Au.D). Nearly one in three audiologists carry educational debt, including 59% of those under the age of 40. Among those who carry education debt, the median debt level was between \$30,000 and \$40,000.

Credentials		
Credential	#	%
CCC-A Audiology	324	84%
Hearing Aid Dispenser	273	71%
ABA Certification	32	8%
CI: Cochlear Implants	3	1%
PASC: Pediatric Audiology	0	0%
Other	53	14%
At Least One Credential	373	97%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Education
 Au.D: 58%
 Doctorate or Au.D: 69%

Educational Debt
 Carry debt: 31%
 Under age 40 w/ debt: 59%
 Median debt: \$30k-\$40k

Source: Va. Healthcare Workforce Data Center

Educational Debt				
Amount Carried	All Audiologists		Audiologists Under 40	
	#	%	#	%
None	221	69%	47	41%
\$10,000 or less	19	6%	9	8%
\$10,001-\$20,000	9	3%	5	4%
\$20,001-\$30,000	18	6%	11	9%
\$30,001-\$40,000	8	3%	6	5%
\$40,001-\$50,000	12	4%	10	9%
\$50,001-\$60,000	7	2%	7	6%
\$60,001-\$70,000	4	1%	3	3%
\$70,001-\$80,000	5	2%	3	3%
\$80,001-\$90,000	8	3%	7	6%
\$90,001-\$100,000	1	0%	1	1%
\$100,001-\$110,000	0	0%	0	0%
\$110,001-\$120,000	1	0%	1	1%
Over \$120,000	6	2%	6	6%
Total	319	100%	116	100%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Employment

Employed in Profession: 91%
Involuntarily Unemployed: 0%

Positions Held

1 Full-time: 70%
2 or More Positions: 10%

Weekly Hours:

40 to 49: 47%
60 or more: 7%
Less than 30: 17%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Current Work Status		
Status	#	%
Employed, capacity unknown	0	0%
Employed in an audiology related capacity	345	91%
Employed, NOT in an audiology related capacity	12	3%
Not working, reason unknown	0	0%
Involuntarily unemployed	1	0%
Voluntarily unemployed (Including for Medical Reasons)	15	4%
Retired	5	1%
Total	378	100%

Source: Va. Healthcare Workforce Data Center

Current Positions		
Positions	#	%
No Positions	21	6%
One Part-Time Position	55	15%
Two Part-Time Positions	9	2%
One Full-Time Position	261	70%
One Full-Time Position & One Part-Time Position	21	6%
Two Full-Time Positions	4	1%
More than Two Positions	4	1%
Total	375	100%

Source: Va. Healthcare Workforce Data Center

Current Weekly Hours		
Hours	#	%
0 hours	21	6%
1 to 9 hours	6	2%
10 to 19 hours	13	3%
20 to 29 hours	23	6%
30 to 39 hours	74	20%
40 to 49 hours	176	47%
50 to 59 hours	37	10%
60 to 69 hours	15	4%
70 to 79 hours	3	1%
80 or more hours	7	2%
Total	375	100%

Source: Va. Healthcare Workforce Data Center

A full 91% of Virginia's audiologists were employed within the profession when they renewed their licenses, while only one audiologist was involuntarily unemployed. 70% of audiologists held one full-time job, while one in ten held more than one job. Nearly half of all audiologists worked between 40 and 49 hours per week. 17% worked less than 30 hours per week, while 7% worked more than 60 hours per week.

A Closer Look:

Income		
Annual Income	#	%
Volunteer Work Only	8	3%
\$20,000 or less	18	7%
\$20,001-\$30,000	14	5%
\$30,001-\$40,000	12	4%
\$40,001-\$50,000	24	9%
\$50,001-\$60,000	31	11%
\$60,001-\$70,000	57	21%
\$70,001-\$80,000	46	17%
\$80,001-\$90,000	22	8%
\$90,001-\$100,000	11	4%
\$100,001-\$110,000	12	4%
\$110,001-\$120,000	1	1%
More than \$120,000	21	8%
Total	277	100%

Source: Va. Healthcare Workforce Data Center

Employer-Sponsored Benefits		
Benefit	#	%
Paid Vacation	233	68%
Paid Leave	225	65%
Health Insurance	190	55%
Retirement	177	51%
Dental Insurance	137	40%
Group Life Insurance	109	32%
Receive at least one benefit	278	81%

*From any employer at time of survey.

Source: Va. Healthcare Workforce Data Center

97% of Audiologists were satisfied with their jobs, including two-thirds who were very satisfied. Only 3% of audiologists were dissatisfied with their current status.

At a Glance:

Earnings

Median Income: \$60k-\$70k
Middle 50%: \$40k-\$80k

Benefits

Employer Health Insurance: 55%
Employer Retirement: 51%

Satisfaction

Satisfied: 97%
Very Satisfied: 68%

Source: Va. Healthcare Workforce Data Center

The median income for audiologists was between \$60,000 and \$70,000 per year. Two-thirds of audiologists received paid vacation and paid leave, while more than half received health insurance and retirement.

Job Satisfaction		
Level	#	%
Very Satisfied	242	68%
Somewhat Satisfied	105	29%
Somewhat Dissatisfied	10	3%
Very Dissatisfied	0	0%
Total	358	100%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Underemployment in Past Year		
In the past year did you . . . ?	#	%
Experience Involuntary Unemployment?	4	1%
Experience Voluntary Unemployment?	20	5%
Work Part-time or temporary positions, but would have preferred a full-time/permanent position?	5	1%
Work two or more positions at the same time?	43	11%
Switch employers or practices?	13	3%
Experienced at least 1	77	20%

Source: Va. Healthcare Workforce Data Center

Only 1% of Virginia's audiologists experienced involuntary unemployment at some point in 2012. By comparison, Virginia's average monthly unemployment rate was 5.9%.¹

Location Tenure				
Tenure	Primary		Secondary	
	#	%	#	%
Not Currently Working at this Location	8	2%	4	5%
Less than 6 Months	16	4%	1	1%
6 Months to 1 Year	14	4%	5	6%
1 to 2 Years	72	20%	24	28%
3 to 5 Years	70	19%	16	19%
6 to 10 Years	68	19%	18	21%
More than 10 Years	112	31%	16	19%
Subtotal	360	100%	85	100%
Did not have location	15		299	
Item Missing	10		1	
Total	385		385	

Source: Va. Healthcare Workforce Data Center

A majority of audiologists received a salary, while 18% received an hourly wage. Nearly one in ten earned income from a business/practice.

At a Glance:

Unemployment Experience 2012

Involuntarily Unemployed: 1%
Underemployed: 1%

Turnover & Tenure

Switched Jobs: 3%
New Location: 10%
Over 2 years: 69%
Over 2 yrs, 2nd location: 59%

Employment Type

Salary or Wage: 89%

Source: Va. Healthcare Workforce Data Center

Nearly 70% of audiologists have worked at their primary location for more than 2 years—the job tenure normally required to get a conventional mortgage loan.

Employment Type		
Primary Work Site	#	%
Capitation/Subscription	1	0%
Salary/ Commission	242	71%
Hourly Wage	63	18%
By Contract	25	7%
Business/ Practice Income	32	9%
Unpaid	2	1%
Total*	341	100%

*Respondents could select more than one.

Source: Va. Healthcare Workforce Data Center

¹ As reported by the US Bureau of Labor Statistics. The not seasonally adjusted monthly unemployment rate ranged from 6.4% in January to 5.4% in November.

At a Glance:

Concentration

Top Region:	32%
Top 3 Regions:	73%
Lowest Region:	0%

Locations

2 or more (2012):	22%
2 or more (Now*):	22%

Source: Va. Healthcare Workforce Data Center

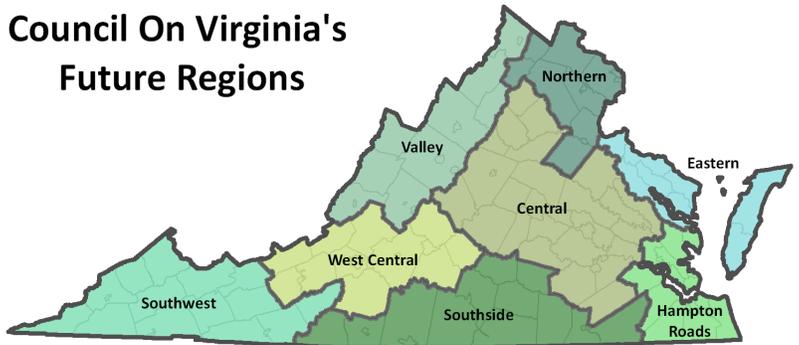
Nearly one in three audiologists had their primary work location in Northern Virginia, while nearly one in four worked in Central Virginia.

A Closer Look:

Regional Distribution of Work Locations				
COVF Region	Primary Location		Secondary Location	
	#	%	#	%
Central	81	23%	19	23%
Eastern	1	0%	0	0%
Hampton Roads	63	18%	13	15%
Northern	116	32%	22	26%
Southside	10	3%	4	5%
Southwest	20	6%	8	10%
Valley	26	7%	5	6%
West Central	35	10%	6	7%
Virginia Border State/DC	4	1%	5	6%
Other US State	1	0%	2	2%
Outside of the US	0	0%	0	0%
Total	357	100%	84	100%
Item Missing	14		1	

Source: Va. Healthcare Workforce Data Center

Council On Virginia's Future Regions



Nearly three in four audiologists had just one work location in 2012, while 22% had at least two locations during the year. Only 2% of audiologists worked at four or more work locations during 2012.

Locations	Number of Work Locations			
	Work Locations in 2012		Work Locations Now*	
	#	%	#	%
0	15	4%	21	6%
1	284	74%	269	72%
2	38	10%	40	11%
3	39	10%	35	10%
4 or More	9	2%	8	2%
Total	385	100%	374	100%

*At the time of survey completion, December 2012.

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Sector	Location Sector			
	Primary Location		Secondary Location	
	#	%	#	%
For-Profit	218	65%	69	82%
Non-Profit	31	9%	7	8%
State/Local Government	54	16%	7	8%
Veterans Administration	18	5%	1	1%
U.S. Military	13	4%	0	0%
Other Federal Government	3	1%	0	0%
Total	337	100%	84	100%
Did not have location	15		299	
Item Missing	34		3	

Source: Va. Healthcare Workforce Data Center

At a Glance: (Primary Locations)

Sector

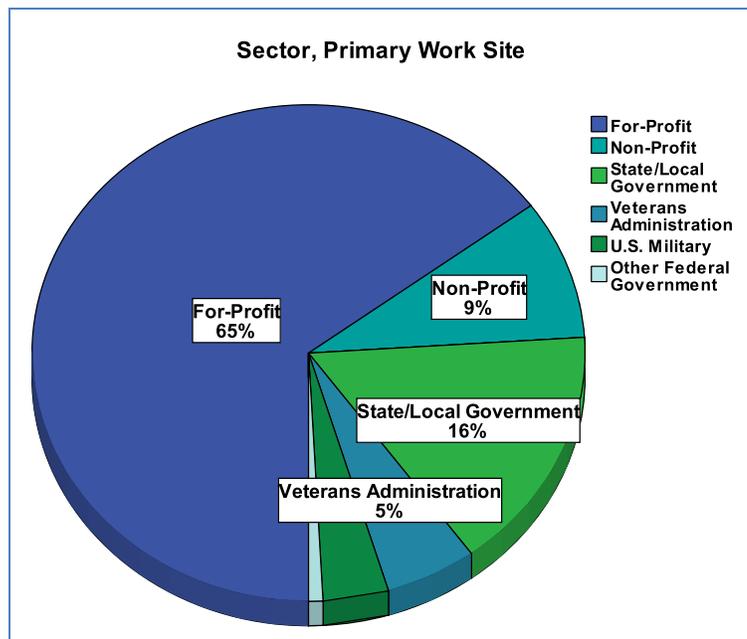
For Profit:	65%
Federal:	10%

Top Establishments

Private Practice: (Group or Solo)	33%
Physician Office	23%
General Hospital: (Inpatient or Outpatient)	17%

Source: Va. Healthcare Workforce Data Center

Two-thirds of audiologists had a primary work location in the private sector, while nearly one in ten worked in the non-profit sector. 16% worked in a state or local government organization, while 10% worked for the federal government.



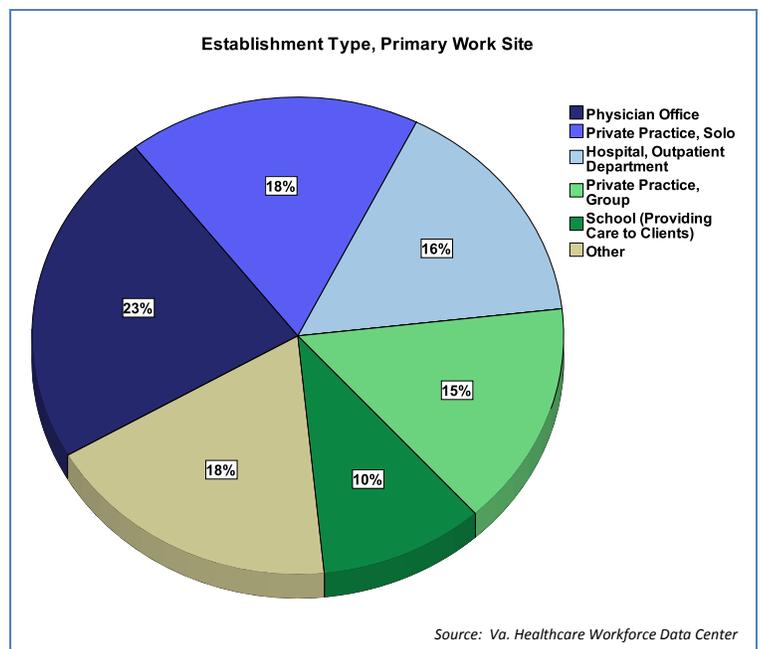
Source: Va. Healthcare Workforce Data Center

Location Type				
Establishment Type	Primary Location		Secondary Location	
	#	%	#	%
Physician Office	75	23%	16	23%
Private Practice, Solo	59	18%	18	26%
Hospital, Outpatient	52	16%	0	0%
Private Practice, Group	50	15%	21	30%
School (Providing Care to Clients)	33	10%	1	1%
Academic Institution (Teaching/Research)	15	5%	5	7%
Community-Based Clinic/Health Center	12	4%	1	1%
Hospital, Inpatient	4	1%	1	1%
Rehabilitation Facility	3	1%	0	0%
Administrative/Business Org.	1	0%	0	0%
Residential Facility/Group Home	1	0%	0	0%
Skilled Nursing Facility	0	0%	1	1%
Child Day Care	0	0%	0	0%
Home Health Care	0	0%	0	0%
Outpatient Surgical Center	0	0%	0	0%
Other	23	7%	6	9%
Total	328	100%	70	100%
Does not have location	15		299	

Source: Va. Healthcare Workforce Data Center

Nearly one in four audiologists had a primary work location at a physician office, while nearly one in five worked at a solo private practice. A significant number of audiologists also worked at outpatient hospitals, group private practices, and schools.

More than half of audiologists with a secondary work location worked in either a group or solo private practice, while nearly one-quarter worked in a physician's office.



At a Glance: (Primary Locations)

Typical Time Allocation

Patient Care: 70%-79%
 Administration: 10%-19%
 Education: 0%
 Research: 0%

Roles

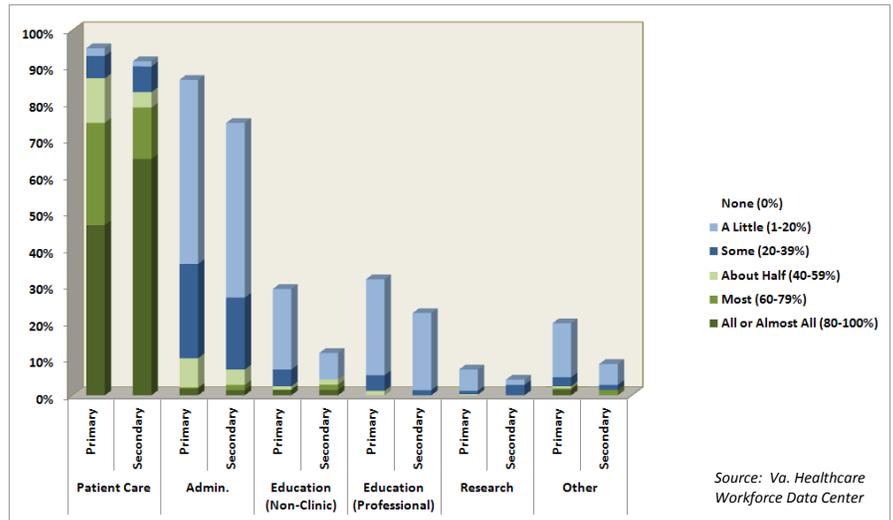
Patient Care: 75%
 Administrative: 2%
 Education: 2%
 Research: 0%

Administration Time

Median Admin Time: 10%-19%
 Ave. Admin Time: 10%-19%

Source: Va. Healthcare Workforce Data Center

A Closer Look:



On average, a typical audiologist will spend 70 to 79% of their day on patient care tasks and 10 to 19% on administrative tasks. Three out of four audiologists fill a patient care role, defined as spending 60% or more of their time on patient care.

Time Spent	Time Allocation											
	Patient Care		Admin.		Edu. (Non-Clinic)		Edu. (Professional)		Research		Other	
	Prim Site	Sec. Site	Prim Site	Sec. Site	Prim Site	Sec. Site	Prim Site	Sec. Site	Prim Site	Sec. Site	Prim Site	Sec. Site
All or Almost All (80-100%)	47%	65%	2%	1%	2%	1%	0%	0%	0%	0%	2%	0%
Most (60-79%)	28%	14%	0%	1%	0%	1%	0%	0%	0%	0%	0%	1%
About Half (40-59%)	12%	4%	8%	4%	1%	1%	1%	0%	0%	0%	1%	0%
Some (20-39%)	6%	7%	26%	20%	5%	0%	4%	1%	1%	3%	2%	1%
A Little (1-20%)	2%	1%	50%	48%	22%	7%	26%	21%	6%	1%	15%	6%
None (0%)	5%	8%	13%	25%	71%	86%	68%	77%	92%	94%	80%	90%

Source: Va. Healthcare Workforce Data Center

At a Glance: (Median)

Weekly Workload: Primary Location

Individual Sessions: 20-29
50% Range: 10-49

Secondary Location

Individual Sessions: 1-9
50% Range: 1-29

Source: Va. Healthcare Workforce Data Center

Weekly Sessions	Primary Location				Secondary Location			
	Individual Sessions		Group Sessions		Individual Sessions		Group Sessions	
	#	%	#	%	#	%	#	%
None	17	5%	288	88%	10	12%	75	94%
1 to 9	42	12%	31	9%	33	41%	4	5%
10 to 19	62	19%	5	2%	15	19%	1	2%
20 to 29	75	22%	1	0%	15	18%	0	0%
30 to 39	52	16%	3	1%	5	6%	0	0%
40 to 49	43	13%	0	0%	2	3%	0	0%
50 to 59	26	8%	0	0%	0	0%	0	0%
60 or More	18	5%	0	0%	1	1%	0	0%

Source: Va. Healthcare Workforce Data Center

A typical audiologist will have between 20 and 29 individual sessions per week at his or her primary work location. Among those who also work at a secondary work location, audiologists will typically have between 1 and 9 individual sessions with patients per week. At both primary and secondary work location, most audiologists did not participate in group sessions with patients.

Group Size	Primary Location		Secondary Location	
	#	%	#	%
None/NA	284	89%	76	94%
1 to 4	29	9%	3	3%
5 to 9	6	2%	3	3%
10 to 14	1	1%	0	0%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Retirement Expectations				
Expected Retirement Age	All		Over 50	
	#	%	#	%
Under age 50	6	2%	0	0%
50 to 54	4	1%	1	1%
55 to 59	31	10%	9	8%
60 to 64	75	25%	22	20%
65 to 69	120	40%	44	40%
70 to 74	39	13%	22	20%
75 to 79	4	1%	0	0%
80 or over	1	0%	1	1%
I do not intend to retire	23	8%	12	11%
Total	302	100%	111	100%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Retirement Expectations

All Audiologists

Under 65: 38%

Under 60: 14%

Audiologists 50 and over

Under 65: 29%

Under 60: 9%

Time until Retirement

Within 2 years: 5%

Within 10 years: 18%

Half the workforce: by 2037

Source: Va. Healthcare Workforce Data Center

Two in five audiologists expect to retire at ages 65 to 69. In addition, over 38% expect to retire before age 65. Among those audiologists who are age 50 or over, however, only 29% expect to retire before age 65, and 11% have no intention of retiring. Within the next ten years, nearly one in five audiologists plan on retiring, and half the current workforce expects to retire by 2037.

Within the next two years about 5% of audiologists plan to leave the profession or leave Virginia. Meanwhile, 11% of audiologists plan on increasing their patient care hours, while 11% also plan on pursuing additional educational opportunities.

Future Plans

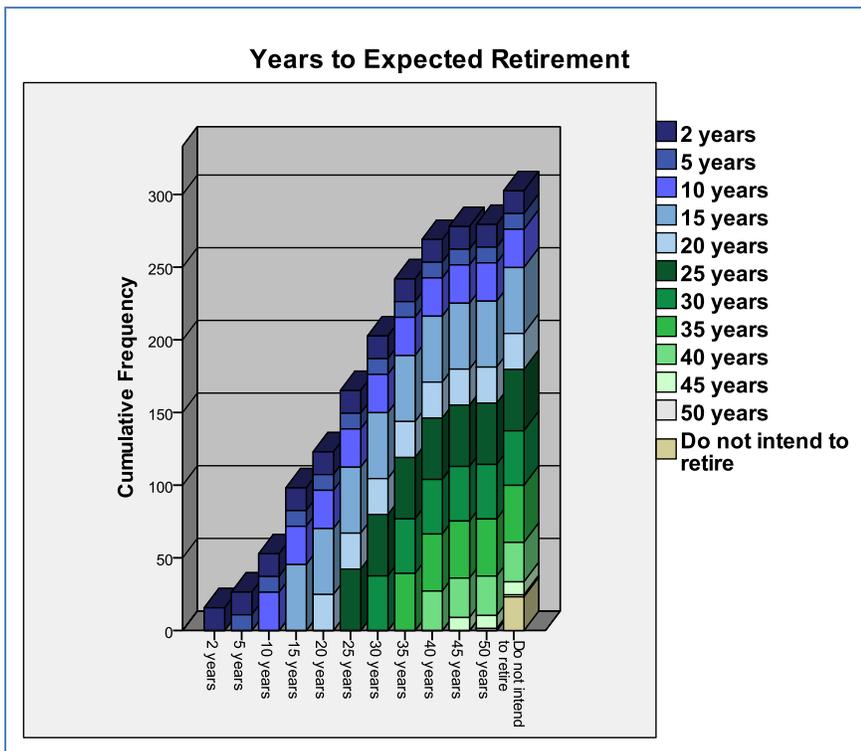
2 Year Plans:	#	%
Decrease Participation		
Leave Profession	7	2%
Leave Virginia	11	3%
Decrease Patient Care Hours	16	4%
Decrease Teaching Hours	3	1%
Increase Participation		
Increase Patient Care Hours	42	11%
Increase Teaching Hours	15	4%
Pursue Additional Education	43	11%
Return to Virginia's Workforce	4	1%

Source: Va. Healthcare Workforce Data Center

By comparing retirement expectation to age, we can estimate the maximum years to retirement for audiologists. Only 5% of audiologists plan on retiring in the next two years, while nearly one in five plan on retiring in the next ten years. 82% plan to keep working at least another 10 years and 59% for at least another 20 years.

Time to Retirement			
Expect to retire within . .	#	%	Cumulative %
2 years	16	5%	5%
5 years	11	4%	9%
10 years	26	9%	18%
15 years	45	15%	32%
20 years	25	8%	41%
25 years	42	14%	55%
30 years	38	13%	67%
35 years	39	13%	80%
40 years	27	9%	89%
45 years	9	3%	92%
50 years	1	0%	92%
55 years	0	0%	92%
In more than 55 years	0	0%	92%
Do not intend to retire	23	8%	100%
Total	302	100%	

Source: Va. Healthcare Workforce Data Center



Source: Va. Healthcare Workforce Data Center

Using these estimates, retirements will reach over 10% of the current workforce by 2022. Retirements will peak at 14% of the current workforce around 2032 before declining to under 10% around 2052. Half of audiologists expect to retire between 2027 and 2042.

At a Glance:

FTEs

Total: 361
Average: .98

Age & Gender Effect

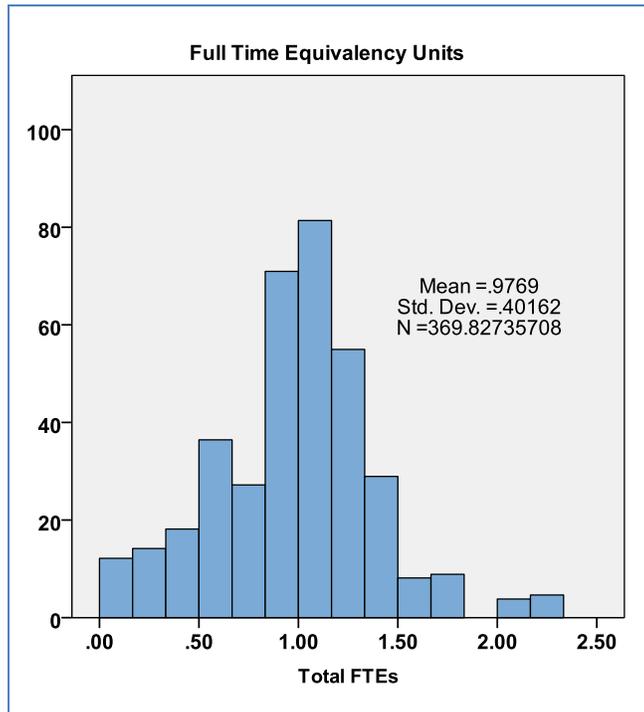
Age, Partial Eta²: .018
Gender, Partial Eta²: .014

Partial Eta² Explained:
Partial Eta² is a statistical measure of effect size.

.01=Small Effect
.06=Medium Effect
.138=Large Effect

Source: Va. Healthcare Workforce Data Center

A Closer Look:

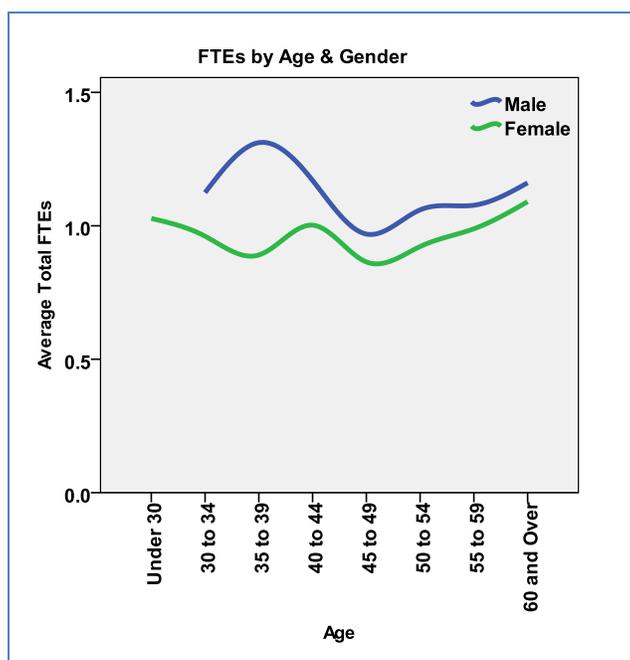


Source: Va. Healthcare Workforce Data Center

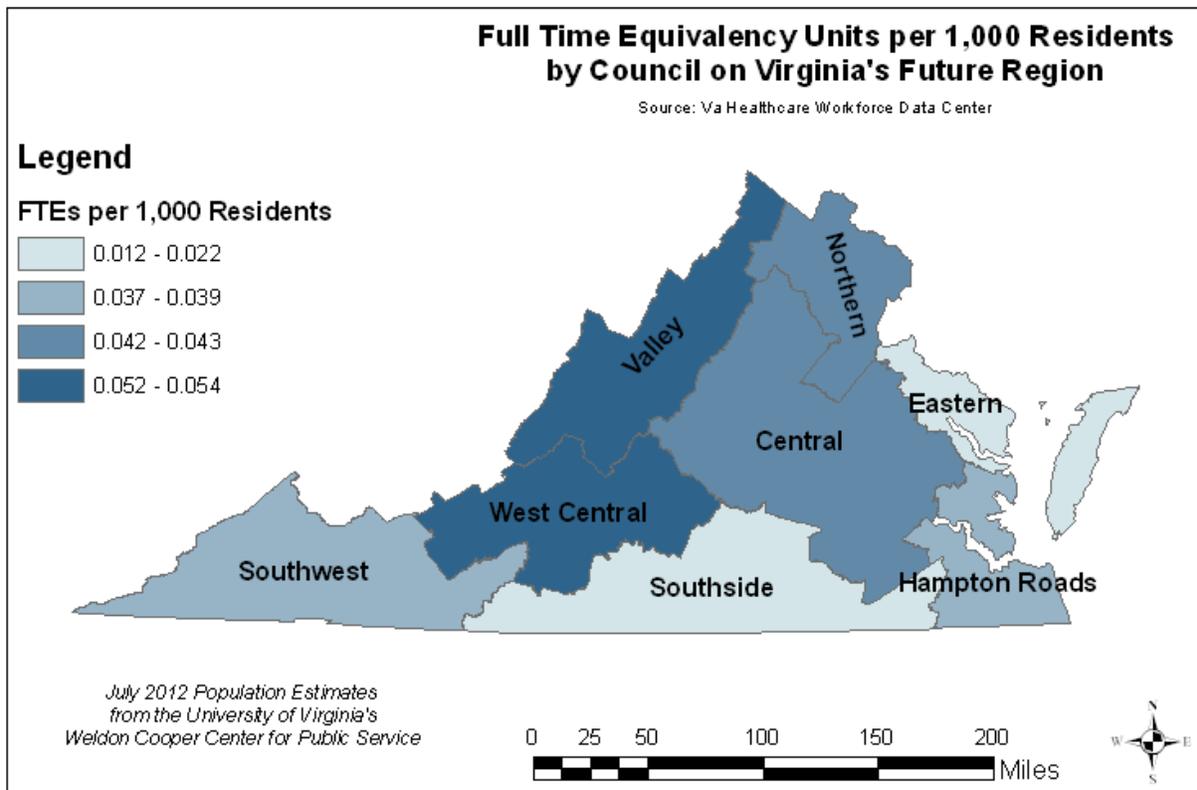
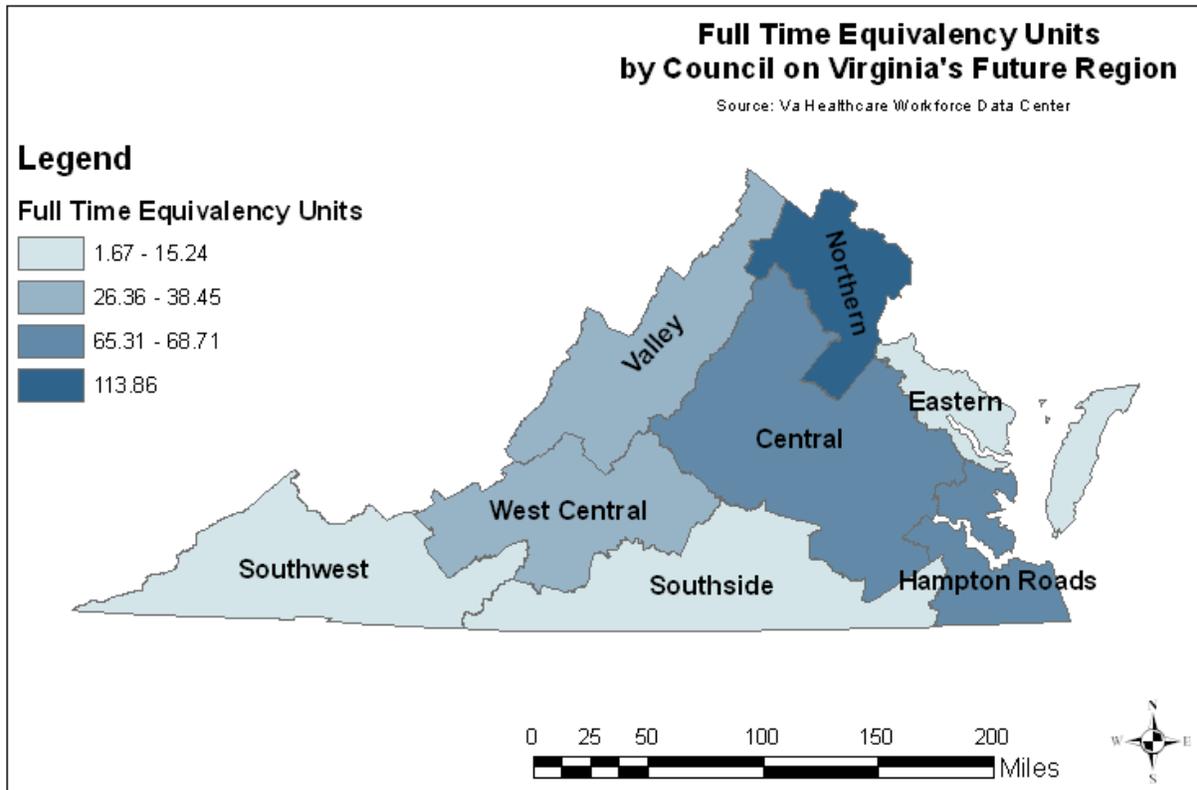
The average audiologist provided 0.98 FTEs in 2012, or about 38 hours per week for 52 weeks. Although FTEs do vary by age and gender, statistical tests indicate that the real effect is insignificant. Combined, gender and age account for only 5% of variation in FTEs.

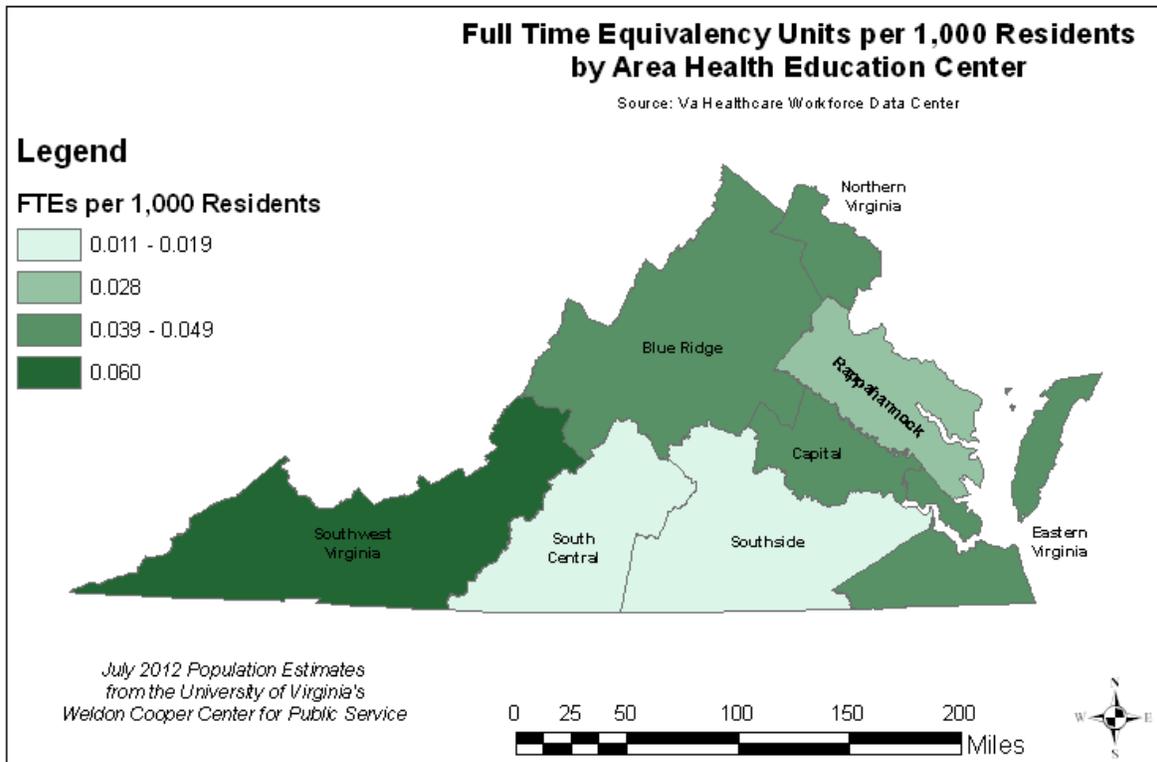
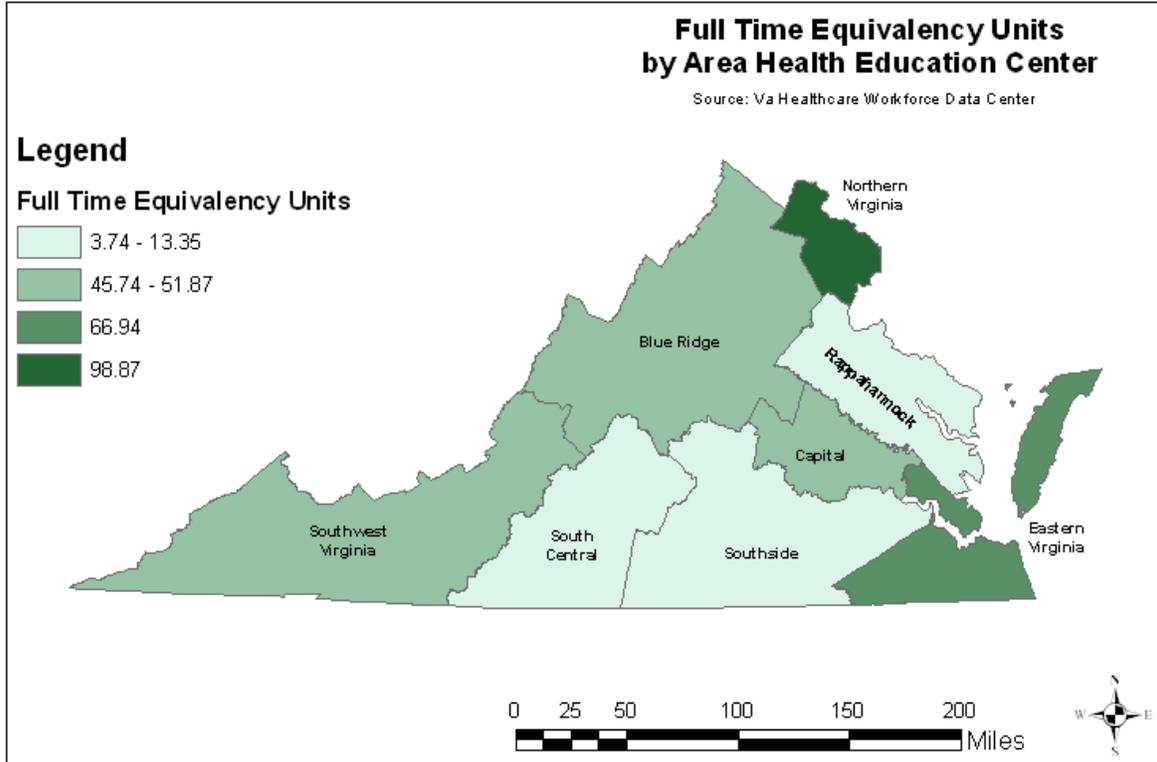
Full-Time Equivalency Units		
Age	Average	Median
Age		
Under 30	1.03	1.13
30 to 34	0.98	0.98
35 to 39	0.92	0.93
40 to 44	0.98	1.04
45 to 49	0.89	0.91
50 to 54	0.95	0.99
55 to 59	1.00	1.03
60 and Over	1.12	1.17
Gender		
Male	1.10	1.10
Female	0.96	1.00

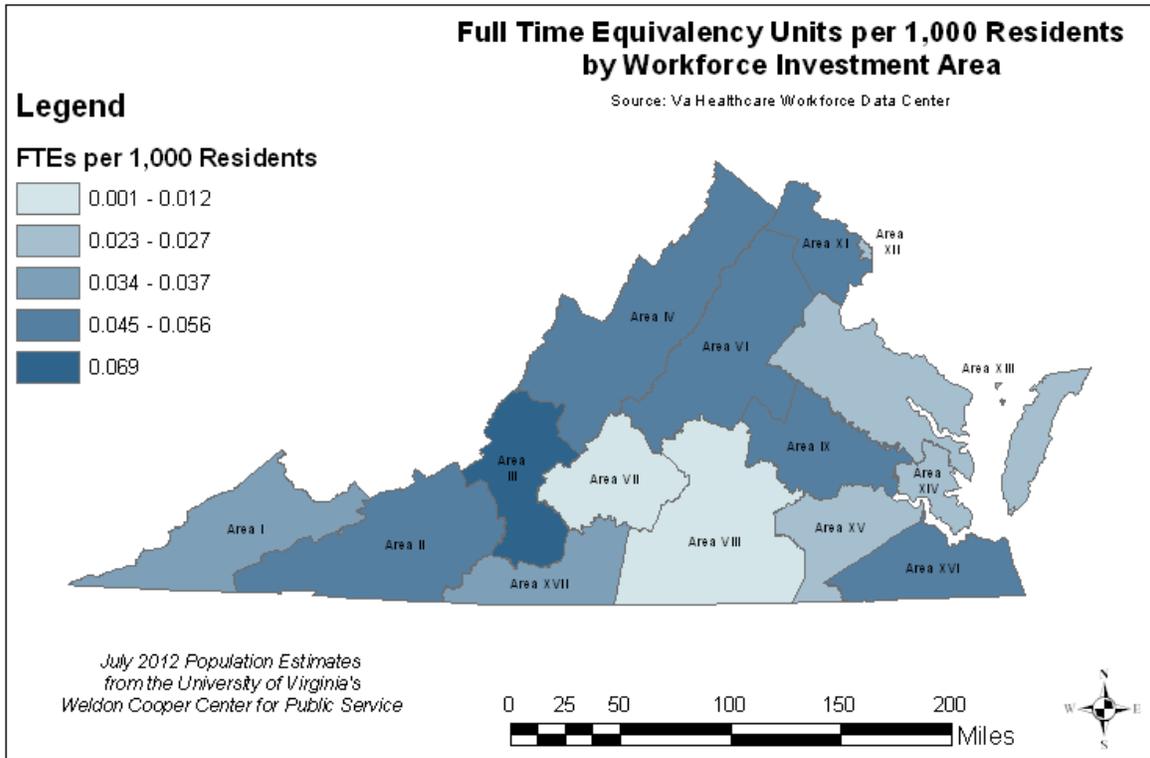
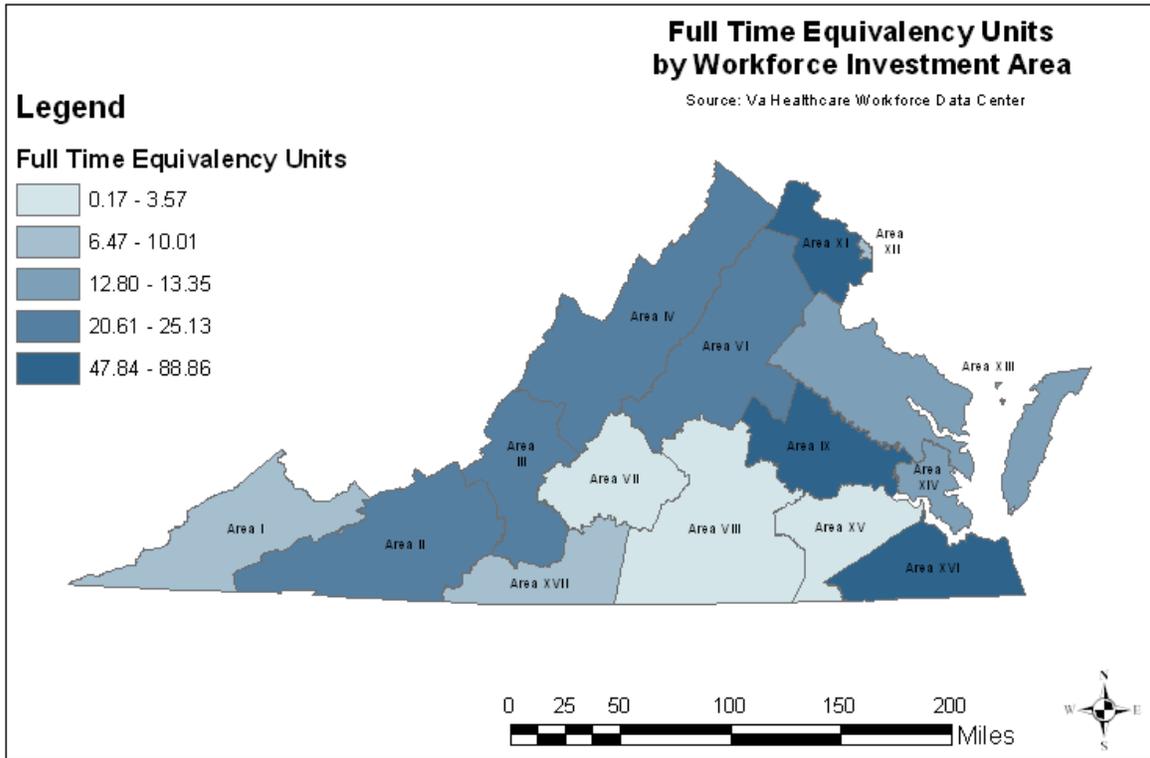
Source: Va. Healthcare Workforce Data Center

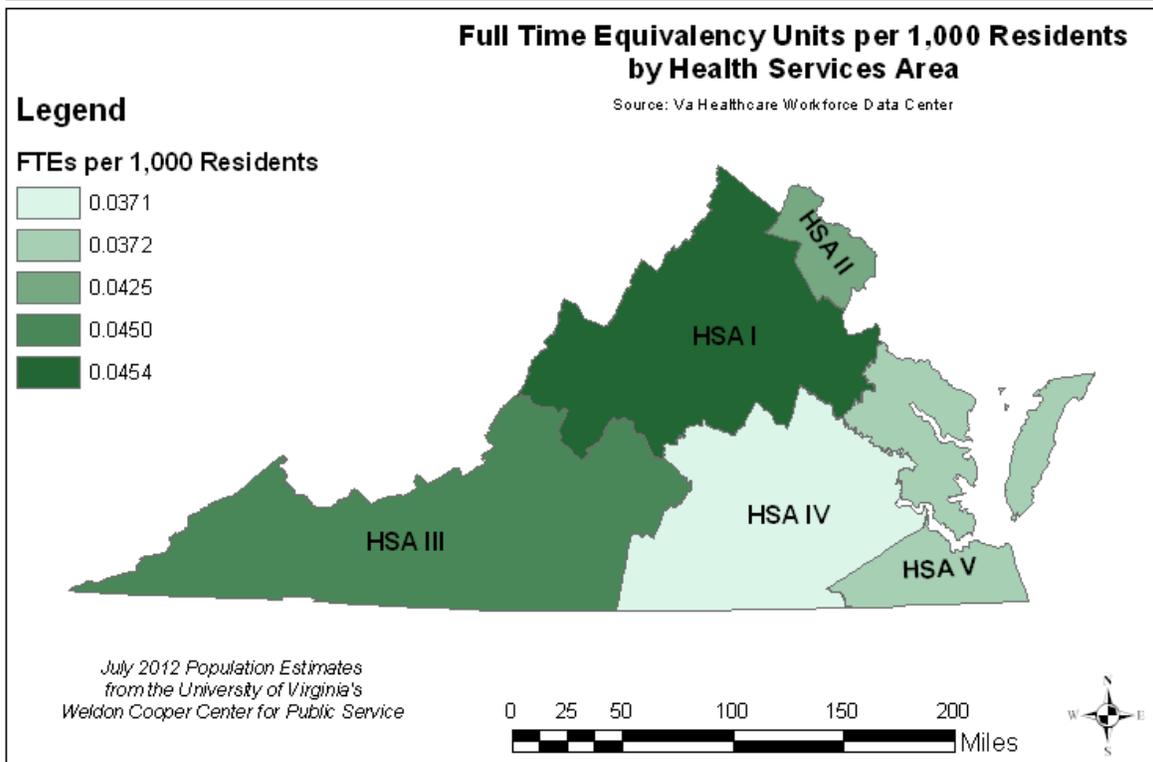
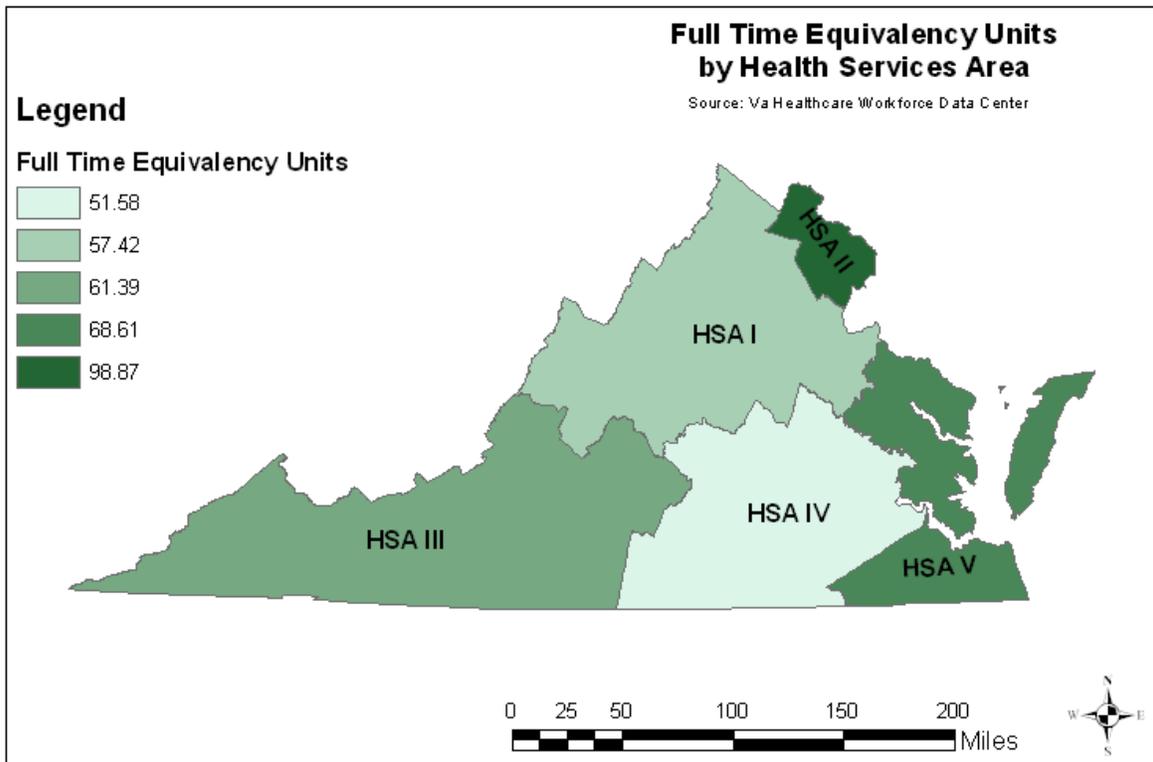


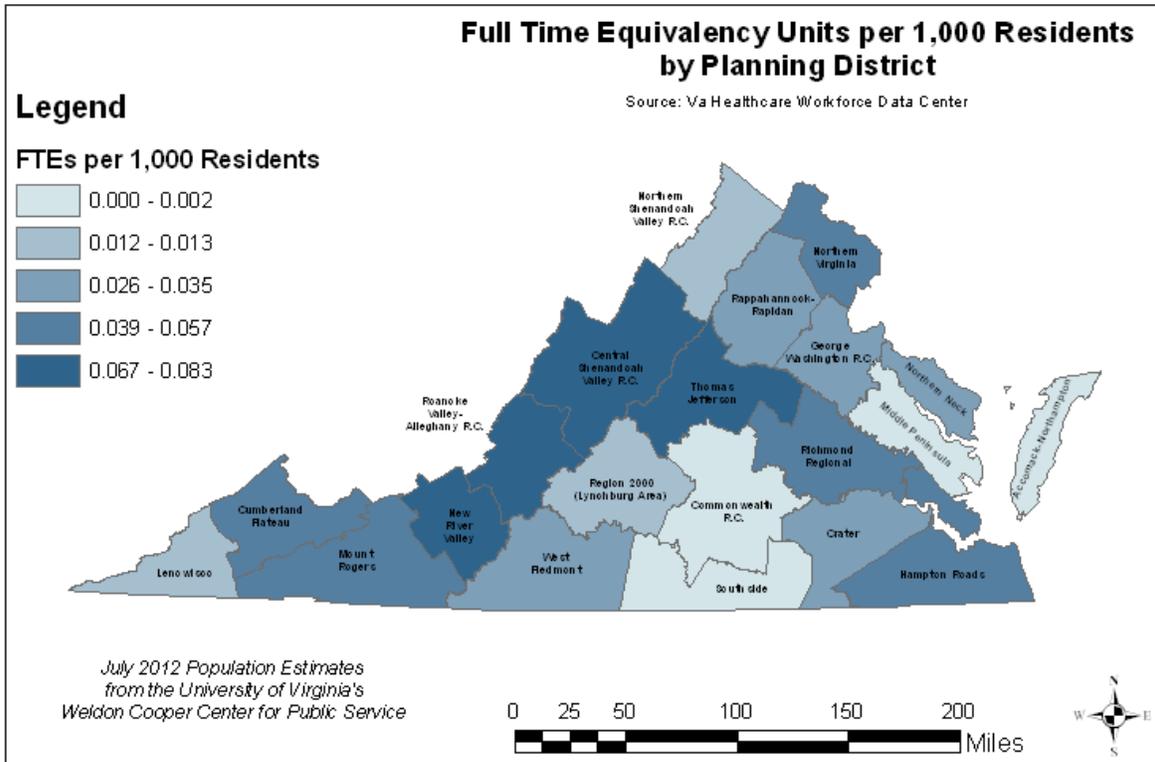
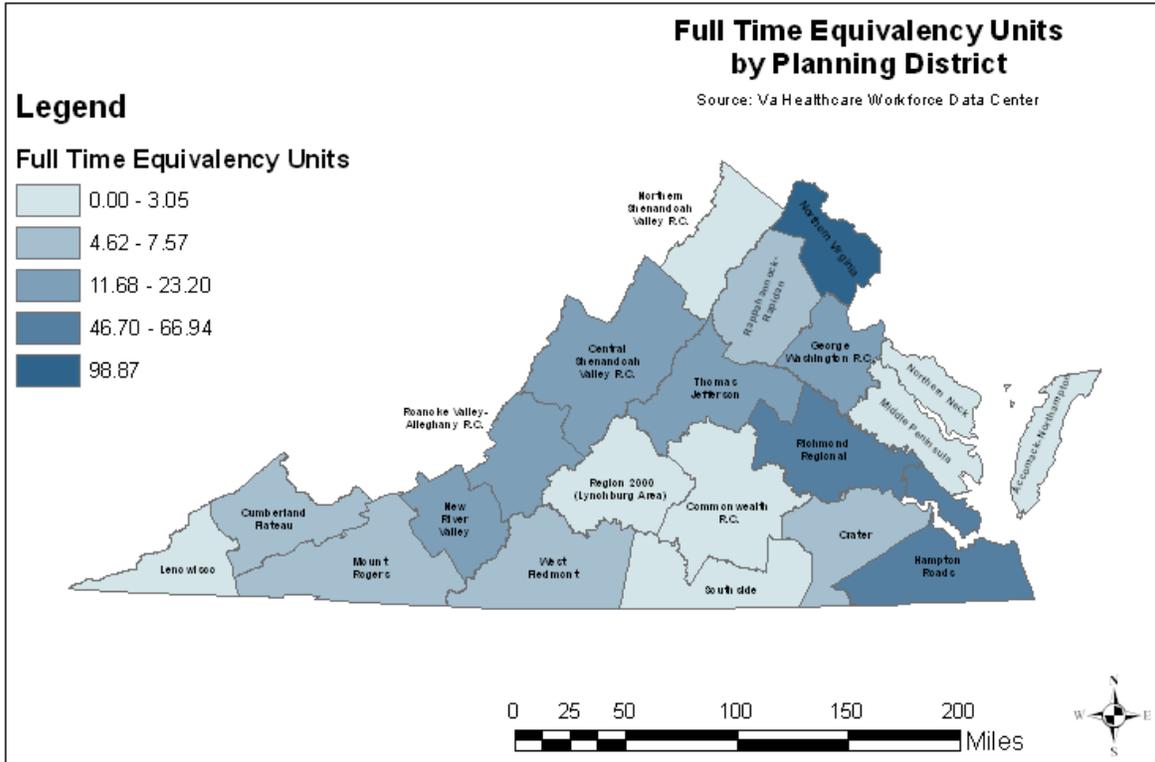
Source: Va. Healthcare Workforce Data Center











Appendice

Weights

Rural Status	Location Weight			Total Weight	
	#	Rate	Weight	Min	Max
Metro, 1 million+	264	72.73%	1.375	1.166188	2.086598
Metro, 250,000 to 1 million	32	78.13%	1.28	1.085615	1.942433
Metro, 250,000 or less	60	76.67%	1.304348	1.106265	1.979381
Urban pop 20,000+, Metro adj	8	37.50%	2.666667	2.420192	4.046735
Urban pop 20,000+, nonadj	0	NA	NA	NA	NA
Urban pop, 2,500-19,999, Metro adj	9	66.67%	1.5	1.272205	2.276289
Urban pop, 2,500-19,999, nonadj	9	55.56%	1.8	1.526646	1.935507
Rural, Metro adj	3	66.67%	1.5	1.361358	1.535454
Rural, nonadj	1	100.00%	1	0.990297	0.990297
Virginia border state/DC	71	66.20%	1.510638	1.281227	2.292433
Other US State	28	64.29%	1.555556	1.319323	2.360596

Age	Age Weight			Total Weight	
	#	Rate	Weight	Min	Max
Under 30	32	46.88%	2.133333	1.942433	4.046735
30 to 34	59	69.49%	1.439024	1.310254	2.729696
35 to 39	74	78.38%	1.275862	1.161692	2.420192
40 to 44	62	72.58%	1.377778	1.254488	1.524551
45 to 49	59	67.80%	1.475	1.34301	2.797938
50 to 54	65	66.15%	1.511628	1.376361	1.935507
55 to 59	62	83.87%	1.192308	1.085615	1.526646
60 and Over	71	71.83%	1.392157	0.990297	2.640792

See the Methods section on the HWDC website for details on HWDC Methods: www.dhp.virginia.gov/hwdc/

Final weights are calculated by multiplying the two weights and the overall response rate:
 $\text{ageweight} \times \text{ruralweight} \times \text{responserate} = \text{final weight}$.

Overall Response Rate: 0.712810

