
Virginia's Audiologist Workforce: 2018

Healthcare Workforce Data Center

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More than 400 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 & Speech-Language Pathology express our sincerest appreciation for your ongoing cooperation.

Thank You!

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The Audiologist Workforce: At a Glance:

The Workforce

Licensees:	534
Virginia's Workforce:	418
FTEs:	347

Background

Rural Childhood:	27%
HS Degree in VA:	36%
Prof. Degree in VA:	33%

Current Employment

Employed in Prof.:	95%
Hold 1 Full-time Job:	76%
Satisfied?:	97%

Survey Response Rate

All Licensees:	85%
Renewing Practitioners:	93%

Education

AuD:	69%
Masters:	22%

Job Turnover

Switched Jobs in 2018:	3%
Employed Over 2 Yrs:	73%

Demographics

Female:	89%
Diversity Index:	15%
Median Age:	46

Finances

Median Income:	\$70k-\$80k
Health Benefits:	58%
Under 40 w/ Ed Debt:	57%

Primary Roles

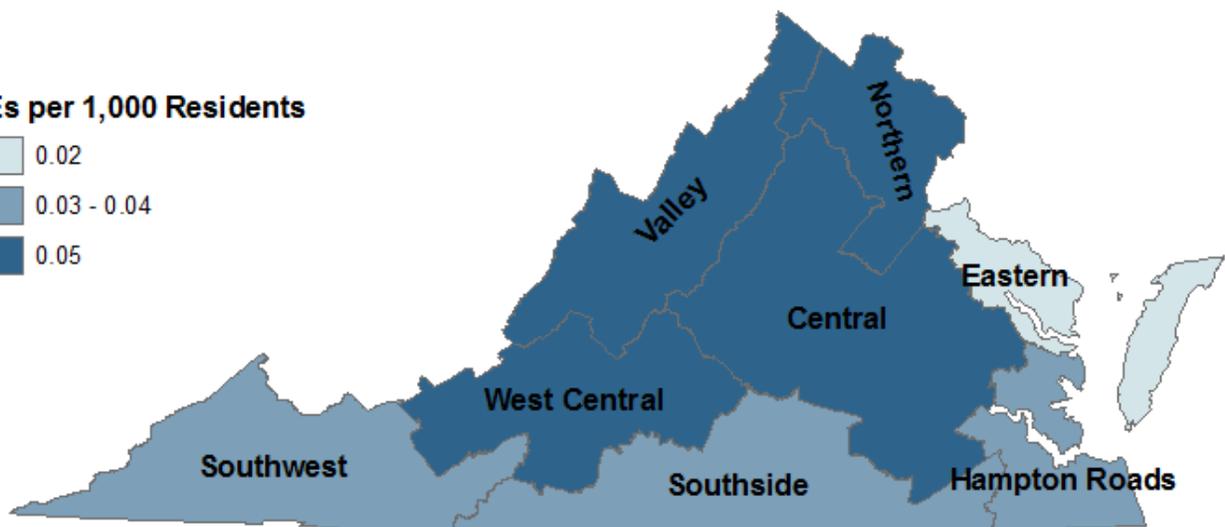
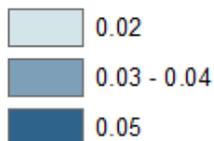
Patient Care:	81%
Administration:	4%
Non-Clinical Edu.:	2%

Source: Va. Healthcare Workforce Data Center

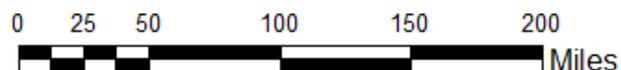
Full Time Equivalency Units Provided by Audiologists per 1,000 Residents by Virginia Performs Region

Source: Va Healthcare Workforce Data Center

FTEs per 1,000 Residents



Annual Estimates of the Resident Population: July 1, 2017
Source: U.S. Census Bureau, Population Division



More than 400 audiologists voluntarily took part in the 2018 Audiologist Workforce Survey. These survey respondents represent 85% of the 534 audiologists who are licensed in the state and 93% of renewing practitioners. The Virginia Department of Health Professions' Healthcare Workforce Data Center (HWDC) administers the survey during the license renewal process. In the past, this license renewal process has taken place every December for audiologists. However, this process will change in 2019; so all future surveys will be administered in June. Therefore, the next audiologist survey will not be conducted until June of 2020.

The HWDC estimates that 418 audiologists participated in Virginia's workforce during the survey period, which is defined as those who worked at least a portion of the year in the state or who live in the state and intend to return to work as an audiologist at some point in the future. In 2018, Virginia's audiologist workforce provided 347 "full-time equivalency units", which the HWDC defines simply as working 2,000 hours a year.

Nearly 90% of Virginia's audiology workforce is female, including 94% of those audiologists who are under the age of 40. In total, more than one-third of all audiologists are under the age of 40. Meanwhile, the diversity index of Virginia's audiologist workforce is only 15%, which is well below the 56% diversity index for Virginia's population as a whole. More than one-quarter of all audiologists grew up in a rural area, and 15% of these professionals currently work in non-metro areas of Virginia. In total, 6% of Virginia's audiologists currently work in non-metro areas of the state.

More than 90% of all audiologists are currently employed in the profession. In addition, more than three out of every four audiologists hold one full-time job, and 56% work between 40 and 49 hours per week. The typical audiologist earns between \$70,000 and \$80,000 per year. In addition, 82% of audiologists receive at least one employer-sponsored benefit, including 58% who have access to health insurance. Two-thirds of all audiologists work in the for-profit sector, and nearly one-quarter are employed at group private practices, the most of any establishment type in the state. At their primary work location, the typical audiologist treats between 30 and 39 patients per week.

Summary of Trends

Since 2014, the total number of Virginia's licensed audiologists has increased by 3% (534 vs. 516). However, the size of Virginia's audiologist workforce has remained nearly constant (418 vs. 417), and the number of FTEs provided by this workforce has actually decreased (347 vs. 363). At the same time, the survey response rate among Virginia's licensed audiologists has increased considerably over the past five years (85% vs. 72%).

While the percentage of Virginia's audiologists who are female has increased since 2014 (89% vs. 87%), the diversity index of this workforce has actually decreased (15% vs. 22%). This decline in diversity has been even more pronounced among those audiologists who are under the age of 40 (11% vs. 22%). At the same time, Virginia's audiologists are slightly less likely to have grown up in a rural area (27% vs. 28%), and these professionals with a rural childhood are less likely to currently work in a non-metro area of the state (15% vs. 19%).

Virginia's audiologists are more likely to have earned an AuD as their highest professional degree (69% vs. 63%), but they are also more likely to carry education debt as well (31% vs. 29%). In addition, the median debt burden among these professionals has increased considerably (\$60,000-\$70,000 vs. \$30,000-\$40,000). Meanwhile, audiologists are less likely to hold a CCC-A credential (70% vs. 77%) or have a specialization in hearing aids/devices (52% vs. 61%).

Audiologists are more likely to hold one full-time job (76% vs. 72%), and they are also more likely to work between 40 and 49 hours per week (56% vs. 52%). Their median annual income has increased (\$70,000-\$80,000 vs. \$60,000-\$70,000), and they are more likely to receive at least one employer-sponsored benefit (82% vs. 74%). Audiologists are less likely to work in the for-profit sector (67% vs. 69%) but more likely to work in the non-profit sector (14% vs. 10%). With respect to their future plans, Virginia's audiologists are now less likely to plan to increase their patient care hours (9% vs. 12%) or pursue additional educational opportunities (4% vs. 8%).

A Closer Look:

Licensee Counts		
License Status	#	%
Renewing Practitioners	474	89%
New Licensees	29	5%
Non-Renewals	31	6%
All Licensees	534	100%

Source: Va. Healthcare Workforce Data Center

HWDC surveys tend to achieve very high response rates. More than 90% of renewing audiologists submitted a survey. These represent 85% of audiologists who held a license at some point in 2018.

Statistic	Response Rates		Response Rate
	Non Respondents	Respondent	
By Age			
Under 30	21	40	66%
30 to 34	9	52	85%
35 to 39	5	47	90%
40 to 44	13	66	84%
45 to 49	6	58	91%
50 to 54	7	50	88%
55 to 59	6	62	91%
60 and Over	13	79	86%
Total	80	454	85%
New Licenses			
Issued in 2018	17	12	41%
Metro Status			
Non-Metro	6	28	82%
Metro	40	314	89%
Not in Virginia	34	112	77%

Source: Va. Healthcare Workforce Data Center

Definitions

- 1. The Survey Period:** The survey was conducted in December 2018.
- 2. Target Population:** All audiologists who held a Virginia license at some point in 2018.
- 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 2018.

Response Rates	
Completed Surveys	454
Response Rate, All Licensees	85%
Response Rate, Renewals	93%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Licensed Audiologists

Number: 534
 New: 5%
 Not Renewed: 6%

Survey Response Rates

All Licensees: 85%
 Renewing Practitioners: 93%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Workforce

2018 Audiologist Workforce: 418
 FTEs: 347

Utilization Ratios

Licensees in VA Workforce: 78%
 Licensees per FTE: 1.54
 Workers per FTE: 1.20

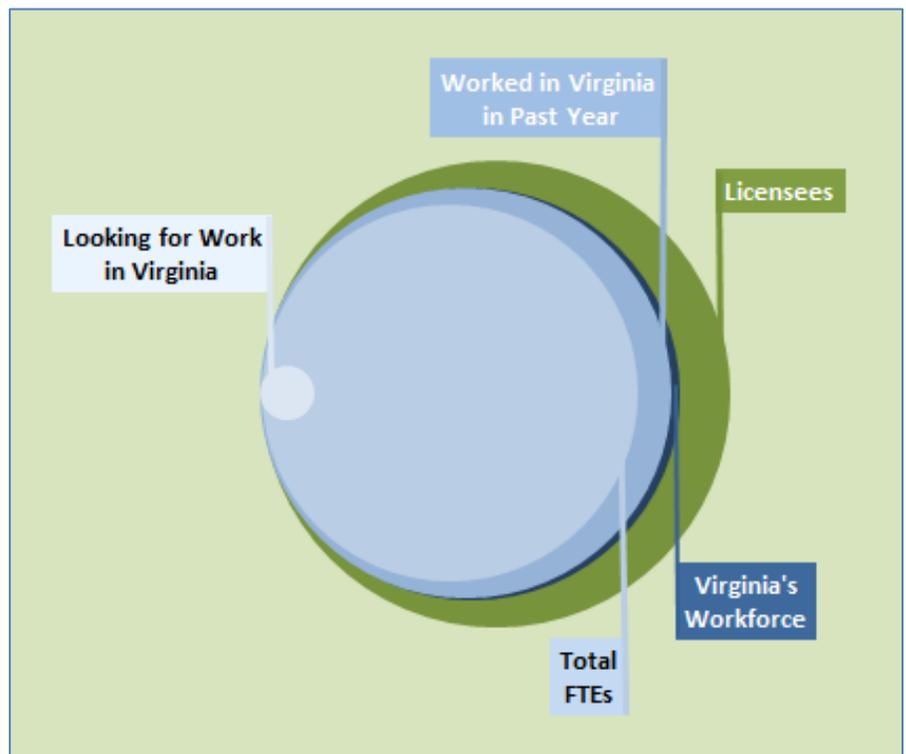
Source: Va. Healthcare Workforce Data Center

Definitions

- 1. Virginia's Workforce:** A licensee with a primary or secondary work site in Virginia at any time in the past year 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 Audiologist Workforce		
Status	#	%
Worked in Virginia in Past Year	411	98%
Looking for Work in Virginia	7	2%
Virginia's Workforce	418	100%
Total FTEs	347	
Licensees	534	

Source: Va. Healthcare Workforce Data Center



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

A Closer Look:

Age & Gender						
Age	Male		Female		Total	
	#	% Male	#	% Female	#	% in Age Group
Under 30	5	10%	44	91%	48	14%
30 to 34	3	6%	41	94%	43	13%
35 to 39	1	4%	27	96%	28	8%
40 to 44	2	5%	47	96%	49	14%
45 to 49	1	3%	37	97%	38	11%
50 to 54	10	25%	31	75%	41	12%
55 to 59	7	20%	29	80%	36	11%
60 +	10	18%	46	82%	56	16%
Total	39	12%	302	89%	341	100%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Gender
 % Female: 89%
 % Under 40 Female: 94%

Age
 Median Age: 46
 % Under 40: 35%
 % 55+: 27%

Diversity
 Diversity Index: 15%
 Under 40 Div. Index: 11%

Source: Va. Healthcare Workforce Data Center

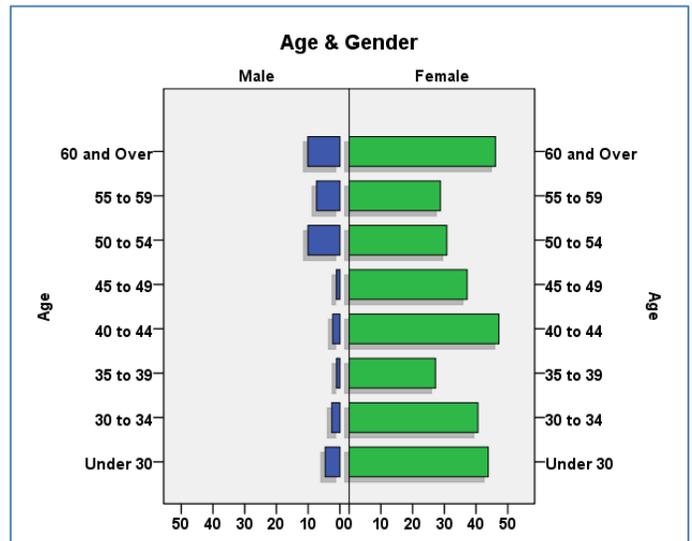
Race & Ethnicity					
Race/ Ethnicity	Virginia*	Audiologists		Audiologists Under 40	
	%	#	%	#	%
White	63%	314	92%	113	94%
Black	19%	7	2%	0	0%
Asian	6%	7	2%	2	2%
Other Race	0%	4	1%	3	3%
Two or More Races	3%	4	1%	1	1%
Hispanic	9%	5	1%	1	1%
Total	100%	341	100%	120	100%

*Population data in this chart is from the US Census, Annual Estimates of the Resident Population by Sex, Race, and Hispanic Origin for the United States, States, and Counties: July 1, 2017.

Source: Va. Healthcare Workforce Data Center

In a chance encounter between two audiologists, there is a 15% chance that they would be of a different race/ethnicity (a measure known as the Diversity Index). For Virginia's population as a whole, the comparable number is 56%.

More than one-third of all audiologists are under the age of 40, and 94% of these professionals are female. In addition, audiologists who are under the age of 40 have a diversity index of 11%.



Source: Va. Healthcare Workforce Data Center

At a Glance:

Childhood

Urban Childhood: 7%
 Rural Childhood: 27%

Virginia Background

HS in Virginia: 36%
 Prof. Education in VA: 33%
 HS/Prof. Edu. in VA: 45%

Location Choice

% Rural to Non-Metro: 15%
 % Urban/Suburban to Non-Metro: 3%

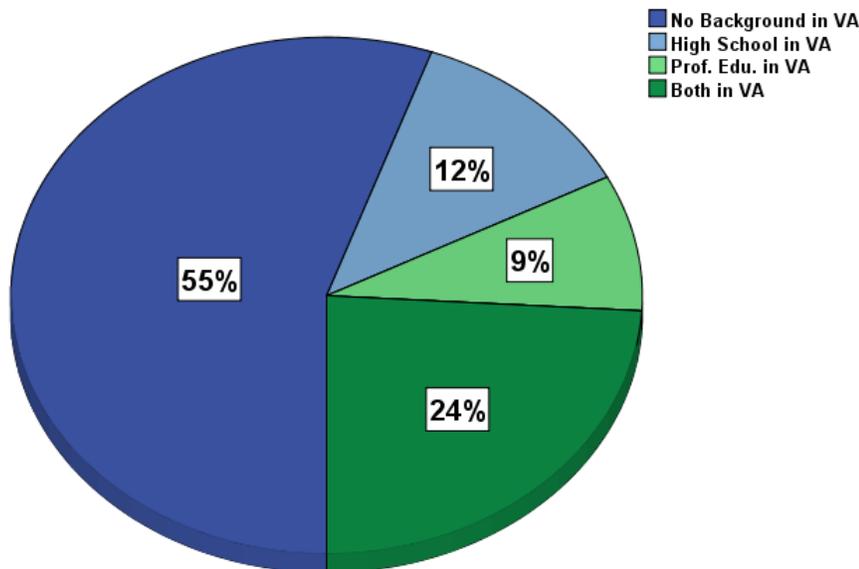
Source: Va. Healthcare Workforce Data Center

A Closer Look:

Primary Location: USDA Rural Urban Continuum		Rural Status of Childhood Location		
Code	Description	Rural	Suburban	Urban
Metro Counties				
1	Metro, 1 Million+	22%	70%	8%
2	Metro, 250,000 to 1 Million	30%	70%	0%
3	Metro, 250,000 or Less	33%	63%	4%
Non-Metro Counties				
4	Urban Pop 20,000+, Metro Adjacent	67%	33%	0%
6	Urban Pop, 2,500-19,999, Metro Adjacent	67%	0%	33%
7	Urban Pop, 2,500-19,999, Non-Adjacent	60%	40%	0%
8	Rural, Metro Adjacent	0%	0%	0%
9	Rural, Non-Adjacent	67%	33%	0%
Overall		27%	67%	7%

Source: Va. Healthcare Workforce Data Center

Educational Background in Virginia



More than one out of every four audiologists grew up in self-described rural areas, and 15% of these professionals currently work in non-metro counties. Overall, 6% of all audiologists currently work in non-metro counties.

Source: Va. Healthcare Workforce Data Center

Top Ten States for Audiologist Recruitment

Rank	All Professionals			
	High School	#	Professional School	#
1	Virginia	123	Virginia	109
2	Maryland	24	Tennessee	26
3	Pennsylvania	21	Washington, D.C.	24
4	New York	20	West Virginia	20
5	West Virginia	20	Maryland	16
6	Ohio	14	Ohio	14
7	Outside U.S./Canada	13	New York	12
8	Michigan	12	Florida	11
9	New Jersey	8	Pennsylvania	10
10	Illinois	8	North Carolina	10

More than one-third of all audiologists received their high school degree in Virginia, and 33% received their initial professional degree in the state.

Source: Va. Healthcare Workforce Data Center

Among audiologists who received their license in the past five years, one-quarter received their high school degree in Virginia, while 19% received their initial professional degree in the state.

Rank	Licensed in the Past 5 Years			
	High School	#	Professional School	#
1	Virginia	24	Virginia	17
2	Ohio	7	Washington, D.C.	9
3	Pennsylvania	7	Tennessee	8
4	Maryland	7	Pennsylvania	6
5	New York	5	West Virginia	5
6	Illinois	4	Ohio	5
7	New Jersey	4	Florida	5
8	West Virginia	4	Texas	4
9	Outside U.S./Canada	4	Indiana	3
10	Florida	3	Maryland	3

Source: Va. Healthcare Workforce Data Center

More than 20% of licensed audiologists did not participate in Virginia's workforce in 2018. Nearly 90% of these audiologists worked at some point in the past year, and 84% are currently employed as audiologists.

At a Glance:

Not in VA Workforce

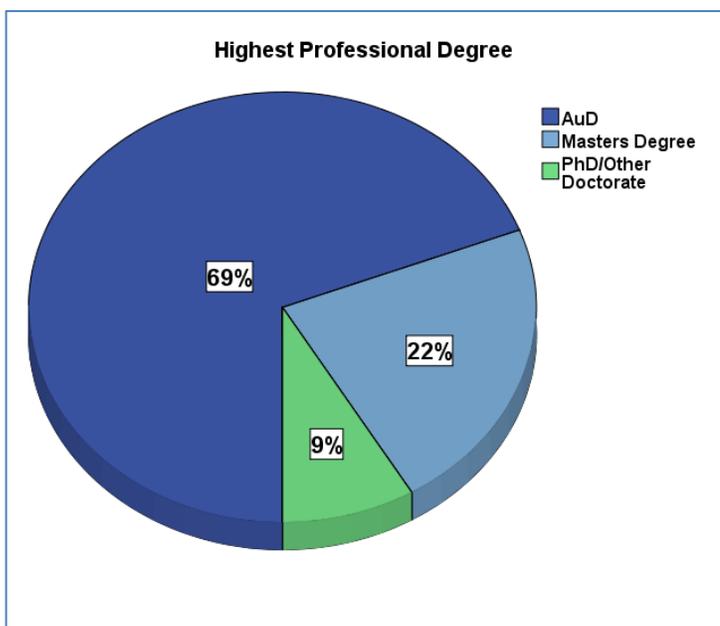
Total:	117
% of Licensees:	22%
Federal/Military:	16%
Va Border State/DC:	28%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Highest Professional Degree		
Degree	#	%
Master's Degree	75	22%
AuD	231	69%
PhD	27	8%
Other Doctorate Degree	1	0%
Total	334	100%

Source: Va. Healthcare Workforce Data Center



Source: Va. Healthcare Workforce Data Center

More than 30% of audiologists currently have education debt, including 57% of those who are under the age of 40. For those with education debt, the median outstanding balance on their loans is between \$60,000 and \$70,000.

At a Glance:

Education
 Doctor of Audiology: 69%
 Master's Degree: 22%

Educational Debt
 Carry Debt: 31%
 Under Age 40 w/ Debt: 57%
 Median Debt: \$60k-\$70k

Source: Va. Healthcare Workforce Data Center

Nearly 70% of all audiologists hold a Doctorate of Audiology (AuD) as their highest professional degree.

Amount Carried	Educational Debt			
	All Audiologists		Audiologists Under 40	
	#	%	#	%
None	210	69%	47	43%
Less Than \$10,000	2	1%	0	0%
\$10,000-\$19,999	10	3%	3	3%
\$20,000-\$29,999	9	3%	2	2%
\$30,000-\$39,999	5	2%	4	4%
\$40,000-\$49,999	4	1%	4	4%
\$50,000-\$59,999	10	3%	9	8%
\$60,000-\$69,999	10	3%	7	6%
\$70,000-\$79,999	10	3%	8	7%
\$80,000-\$89,999	6	2%	6	6%
\$90,000-\$99,999	4	1%	1	1%
\$100,000 or More	24	8%	16	15%
Total	304	100%	109	100%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Top Specialties

Hearing Aids/Devices:	52%
Geriatrics:	26%
Pediatrics:	24%

Top Credentials

CCC-A Audiology:	70%
Hearing Aid Disp. License:	56%
F-AAA Fellow:	32%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Self-Designated Specialties		
Specialty	#	% of Workforce
Hearing Aids/Devices	216	52%
Geriatrics	107	26%
Pediatrics	102	24%
Vestibular	67	16%
Educational	45	11%
Cochlear Implants	35	8%
Occupational Hearing Conservation	34	8%
Intraoperative Monitoring	7	2%
Other	22	5%
At Least One Specialty	275	66%

Source: Va. Healthcare Workforce Data Center

Credentials		
Credential	#	% of Workforce
CCC-A: Audiology	292	70%
Hearing Aid Dispenser License	232	56%
F-AAA Fellow	134	32%
ABA Certification	13	3%
CCC-SLP: Speech-Language Pathology	7	2%
PASC: Pediatric Audiology	2	0%
Other	8	2%
At Least One Credential	334	80%

Source: Va. Healthcare Workforce Data Center

Two-thirds of all audiologists have at least one self-designated specialty, while 80% have at least one credential as well.

At a Glance:

Employment

Employed in Profession: 95%
Involuntarily Unemployed: 0%

Positions Held

1 Full-time: 76%
2 or More Positions: 8%

Weekly Hours:

40 to 49: 56%
60 or More: 3%
Less Than 30: 10%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Current Work Status		
Status	#	%
Employed, Capacity Unknown	1	< 1%
Employed in an Audiologist-Related Capacity	324	95%
Employed, NOT in an Audiologist-Related Capacity	6	2%
Not Working, Reason Unknown	0	0%
Involuntarily Unemployed	0	0%
Voluntarily Unemployed	8	2%
Retired	3	1%
Total	342	100%

Source: Va. Healthcare Workforce Data Center

More than nine out of every ten audiologists are currently employed in the profession. More than three-quarters have one full-time job, and 56% work between 40 and 49 hours per week.

Current Positions		
Positions	#	%
No Positions	11	3%
One Part-Time Position	42	13%
Two Part-Time Positions	10	3%
One Full-Time Position	257	76%
One Full-Time Position & One Part-Time Position	14	4%
Two Full-Time Positions	0	0%
More Than Two Positions	2	1%
Total	336	100%

Source: Va. Healthcare Workforce Data Center

Current Weekly Hours		
Hours	#	%
0 Hours	11	3%
1 to 9 Hours	2	1%
10 to 19 Hours	14	4%
20 to 29 Hours	18	5%
30 to 39 Hours	64	19%
40 to 49 Hours	187	56%
50 to 59 Hours	29	9%
60 to 69 Hours	7	2%
70 to 79 Hours	2	1%
80 or More Hours	1	0%
Total	335	100%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Income		
Annual Income	#	%
Volunteer Work Only	3	1%
Less Than \$20,000	4	1%
\$20,000-\$29,999	2	1%
\$30,000-\$39,999	7	3%
\$40,000-\$49,999	16	6%
\$50,000-\$59,999	27	10%
\$60,000-\$69,999	41	15%
\$70,000-\$79,999	40	15%
\$80,000-\$89,999	42	16%
\$90,000-\$99,999	39	15%
\$100,000-\$109,999	18	7%
\$110,000-\$119,999	8	3%
\$120,000 or More	21	8%
Total	269	100%

Source: Va. Healthcare Workforce Data Center

Job Satisfaction		
Level	#	%
Very Satisfied	234	72%
Somewhat Satisfied	83	26%
Somewhat Dissatisfied	9	3%
Very Dissatisfied	0	0%
Total	326	100%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Annual Earnings

Median Income: \$70k-80k

Benefits

Health Insurance: 58%

Retirement: 66%

Satisfaction

Satisfied: 97%

Very Satisfied: 72%

Source: Va. Healthcare Workforce Data Center

The typical audiologist earns between \$70,000 and \$80,000 per year. In addition, 82% receive at least one employer-sponsored benefit, including 58% who have access to health insurance.

Employer-Sponsored Benefits			
Benefit	#	%	% of Wage/Salary Employees
Paid Vacation	243	75%	81%
Paid Sick Leave	205	63%	67%
Retirement	213	66%	71%
Health Insurance	189	58%	64%
Dental Insurance	152	47%	55%
Group Life Insurance	109	34%	40%
Signing/Retention Bonus	13	4%	5%
At Least One Benefit	267	82%	88%

*From any employer at time of survey.

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Underemployment in Past Year		
In The Past Year Did You . . . ?	#	%
Experience Involuntary Unemployment?	1	< 1%
Experience Voluntary Unemployment?	11	3%
Work Part-Time or Temporary Positions, but Would Have Preferred a Full-Time/Permanent Position?	9	2%
Work Two or More Positions at the Same Time?	32	8%
Switch Employers or Practices?	14	3%
Experienced At Least One	61	15%

Source: Va. Healthcare Workforce Data Center

Involuntary unemployment among Virginia’s audiologists was less than 1% over the past year. For comparison, Virginia’s average monthly unemployment rate was 3.0%.¹

Location Tenure				
Tenure	Primary		Secondary	
	#	%	#	%
Not Currently Working at This Location	6	2%	4	6%
Less Than 6 Months	10	3%	5	7%
6 Months to 1 Year	16	5%	12	17%
1 to 2 Years	57	17%	10	14%
3 to 5 Years	74	23%	15	22%
6 to 10 Years	64	20%	12	17%
More Than 10 Years	100	31%	12	17%
Subtotal	326	100%	69	100%
Did Not Have Location	8		346	
Item Missing	84		2	
Total	418		418	

Source: Va. Healthcare Workforce Data Center

Nearly 70% of audiologists receive a salary or commission at their primary work location.

At a Glance:

Unemployment Experience

Involuntarily Unemployed: < 1%
Underemployed: 2%

Turnover & Tenure

Switched: 3%
New Location: 13%
Over 2 Years: 73%
Over 2 Yrs, 2nd Location: 57%

Employment Type

Salary/Commission: 69%
Hourly Wage: 15%

Source: Va. Healthcare Workforce Data Center

Nearly three-quarters of audiologists have worked at their primary work location for more than two years.

Employment Type		
Primary Work Site	#	%
Salary/Commission	190	69%
Hourly Wage	41	15%
Business/Practice Income	34	12%
By Contract/Per Diem	9	3%
Unpaid	0	0%
Subtotal	275	100%

Source: Va. Healthcare Workforce Data Center

¹ As reported by the US Bureau of Labor Statistics. The non-seasonally adjusted monthly unemployment rate fell from 3.7% in January 2018 to 2.6% in December 2018. The unemployment rate from December 2018 was still preliminary at the time of publication.

At a Glance:

Concentration

Top Region:	36%
Top 3 Regions:	72%
Lowest Region:	1%

Locations

2 or More (2018):	22%
2 or More (Now*):	20%

Source: Va. Healthcare Workforce Data Center

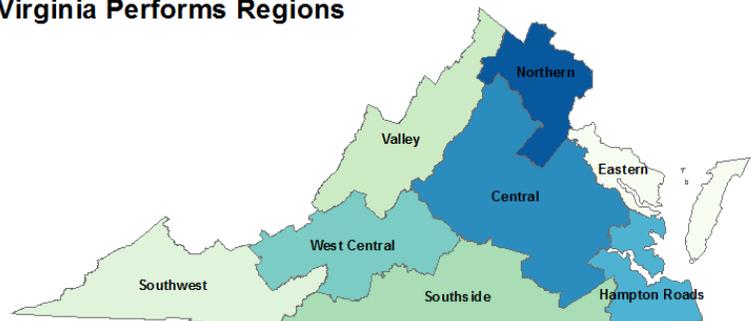
More than one-third of audiologists work in Northern Virginia, the most of any region in the state. Along with Central Virginia and Hampton Roads, these three regions account for 72% of all audiologists in the state.

A Closer Look:

Regional Distribution of Work Locations				
Virginia Performs Region	Primary Location		Secondary Location	
	#	%	#	%
Central	66	21%	9	13%
Eastern	3	1%	0	0%
Hampton Roads	51	16%	14	21%
Northern	115	36%	29	43%
Southside	11	3%	1	1%
Southwest	12	4%	4	6%
Valley	23	7%	8	12%
West Central	30	9%	0	0%
Virginia Border State/D.C.	7	2%	2	3%
Other US State	3	1%	0	0%
Outside of the US	0	0%	0	0%
Total	321	100%	67	100%
Item Missing	89		4	

Source: Va. Healthcare Workforce Data Center

Virginia Performs Regions



One out of every five audiologists currently have multiple work locations, while 22% have had multiple work location over the past year.

Locations	Number of Work Locations			
	Work Locations in 2018		Work Locations Now*	
	#	%	#	%
0	7	2%	11	3%
1	254	77%	256	77%
2	43	13%	38	11%
3	23	7%	23	7%
4	4	1%	3	1%
5	2	1%	2	1%
6 or More	0	0%	0	0%
Total	333	100%	333	100%

*At the time of survey completion, December 2018.

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Sector	Location Sector			
	Primary Location		Secondary Location	
	#	%	#	%
For-Profit	209	67%	52	75%
Non-Profit	43	14%	11	16%
State/Local Government	35	11%	4	6%
Veterans Administration	11	4%	2	3%
U.S. Military	10	3%	0	0%
Other Federal Gov't	3	1%	0	0%
Total	311	100%	69	100%
Did Not Have Location	8		346	
Item Missing	99		3	

Source: Va. Healthcare Workforce Data Center

At a Glance: (Primary Locations)

Sector

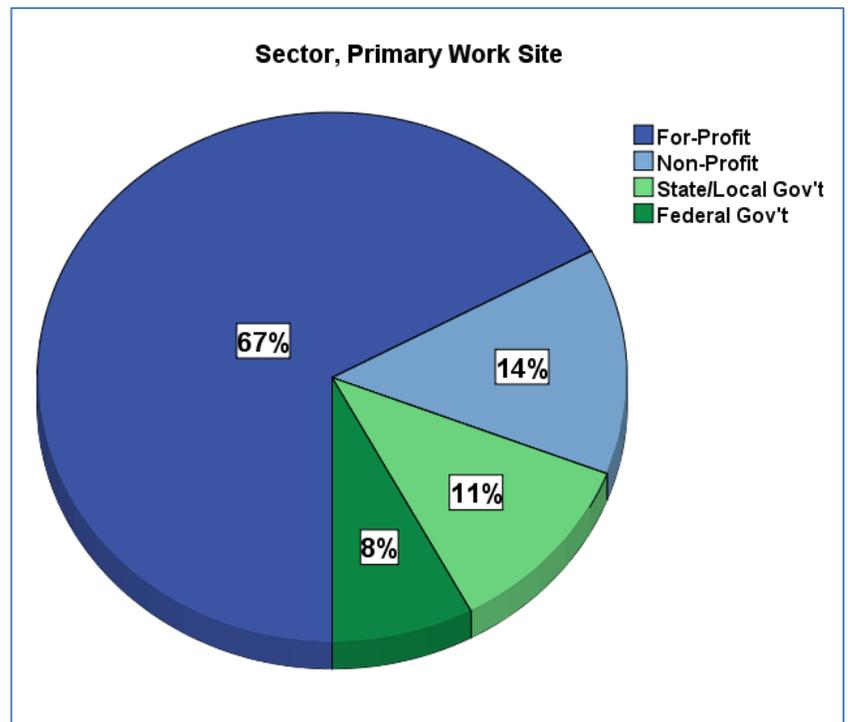
For Profit:	67%
Federal:	8%

Top Establishments

Private Practice (Group):	23%
Physician Office:	21%
Hospital (Outpatient):	19%

Source: Va. Healthcare Workforce Data Center

More than 80% of audiologists work in the private sector, including 67% who work at for-profit establishments. Another 8% of Virginia's audiologists work for the federal government.



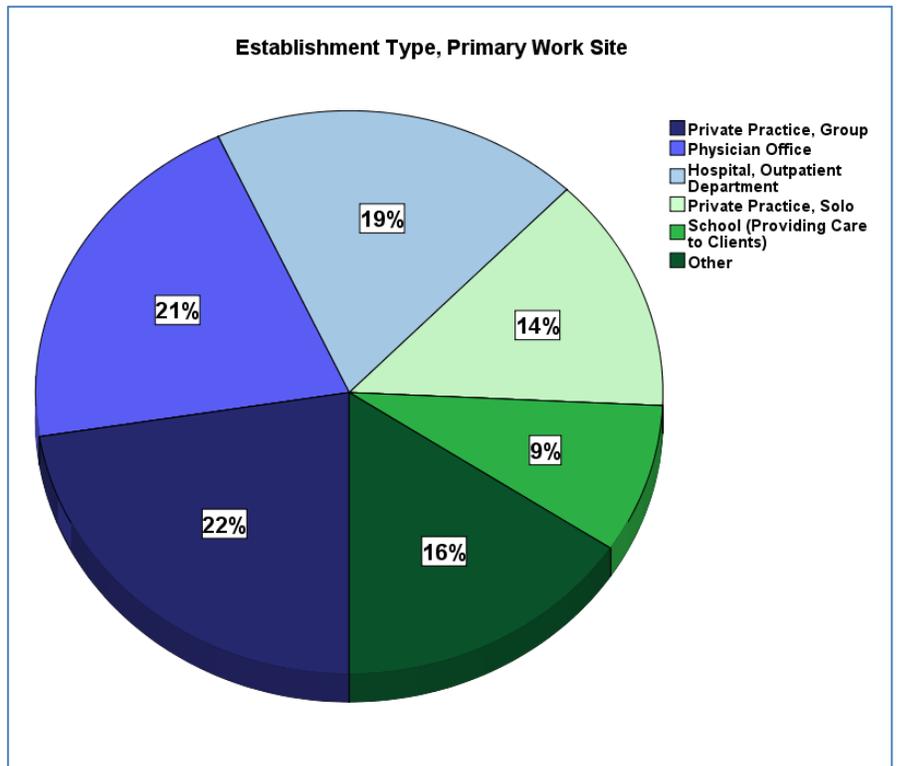
Source: Va. Healthcare Workforce Data Center

Top 10 Location Type				
Establishment Type	Primary Location		Secondary Location	
	#	%	#	%
Private Practice, Group	67	23%	24	36%
Physician Office	61	21%	14	21%
Hospital, Outpatient Department	57	19%	10	15%
Private Practice, Solo	40	14%	9	13%
School (Providing Care to Clients)	25	8%	1	1%
Community-Based Clinic or Health Center	12	4%	2	3%
Academic Institution (Teaching Health Professions Students or Research)	9	3%	5	7%
Administrative/Business Organization	2	1%	0	0%
Hospital, Inpatient Department	2	1%	0	0%
Rehabilitation Facility	2	1%	0	0%
Home Health Care	0	0%	1	1%
Other	18	6%	1	1%
Total	295	100%	67	100%
Did Not Have Location	8		346	

Nearly one-quarter of all audiologists work at group private practices, the most of any establishment type in the state. Another 21% work at physicians' offices.

Source: Va. Healthcare Workforce Data Center

Among those audiologists who also have a secondary work location, 36% work at group private practices and 21% work at physicians' offices.



Source: Va. Healthcare Workforce Data Center

At a Glance: (Primary Locations)

Typical Time Allocation

Client Care: 80%-89%
Administration: 10%-19%

Roles

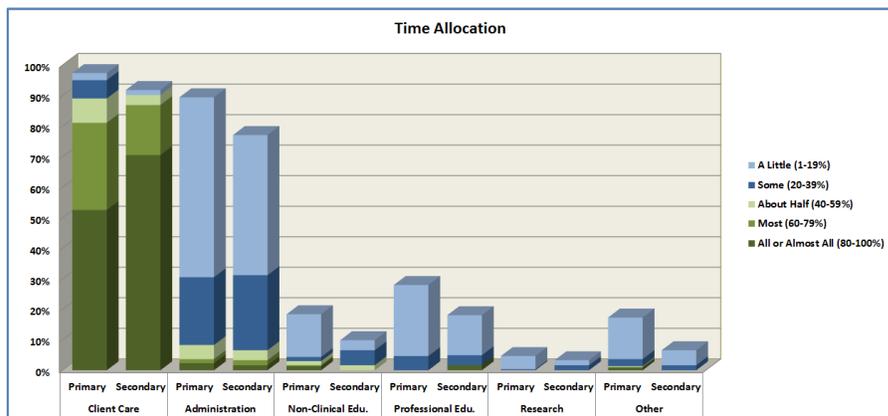
Patient Care: 81%
Administration: 4%
Non-Clinical Edu.: 2%

Patient Care Audiologists

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

Source: Va. Healthcare Workforce Data Center

A Closer Look:



Source: Va. Healthcare Workforce Data Center

A typical audiologist spends most of her time in client care activities. In fact, 81% of audiologists fill a client care role, defined as spending at least 60% of their time in that activity.

Time Allocation

Time Spent	Client Care		Admin.		Non-Clinical Education		Professional Education		Research		Other	
	Pri. Site	Sec. Site	Pri. Site	Sec. Site	Pri. Site	Sec. Site	Pri. Site	Sec. Site	Pri. Site	Sec. Site	Pri. Site	Sec. Site
All or Almost All (80-100%)	52%	70%	2%	2%	1%	0%	0%	2%	0%	0%	1%	0%
Most (60-79%)	28%	16%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
About Half (40-59%)	8%	3%	5%	3%	1%	2%	0%	0%	0%	0%	0%	0%
Some (20-39%)	6%	0%	22%	25%	1%	5%	5%	3%	0%	2%	2%	2%
A Little (1-19%)	2%	2%	59%	46%	14%	3%	23%	13%	4%	2%	14%	5%
None (0%)	3%	8%	11%	23%	81%	90%	72%	82%	95%	97%	82%	93%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Weekly Patient Totals

(Median)

Primary Location: 30-39

Secondary Location: 1-9

Total: 30-39

% with Group Sessions

Primary Location: 6%

Secondary Location: 3%

Source: Va. Healthcare Workforce Data Center

A Closer Look:

Weekly Client Totals						
Number of Clients	Primary Work Location		Secondary Work Location		Total ²	
	#	%	#	%	#	%
None	17	5%	13	19%	16	5%
1-9	28	9%	26	38%	21	7%
10-19	36	12%	20	29%	35	11%
20-29	57	18%	8	12%	44	14%
30-39	71	23%	2	3%	78	25%
40-49	47	15%	0	0%	47	15%
50-59	21	7%	0	0%	30	9%
60-69	15	5%	0	0%	20	6%
70-79	9	3%	0	0%	14	4%
80 or More	12	4%	0	0%	12	4%
Total	313	100%	69	100%	317	100%

Source: Va. Healthcare Workforce Data Center

The typical audiologist treats between 30 and 39 clients per week at her primary work location. In addition, audiologists who also have a secondary work location treat an additional 1 to 9 patients per week.

Weekly Client Sessions								
Number of Sessions	Primary Work Location				Secondary Work Location			
	Individual Sessions		Group Sessions		Individual Sessions		Group Sessions	
	#	%	#	%	#	%	#	%
None	15	5%	287	94%	13	19%	64	97%
1-9	33	11%	17	6%	28	41%	2	3%
10-19	41	13%	1	0%	19	28%	0	0%
20-29	55	18%	0	0%	8	12%	0	0%
30-39	70	22%	0	0%	1	1%	0	0%
40-49	50	16%	0	0%	0	0%	0	0%
50-59	21	7%	0	0%	0	0%	0	0%
60-69	12	4%	0	0%	0	0%	0	0%
70-79	6	2%	0	0%	0	0%	0	0%
80 or More	10	3%	0	0%	0	0%	0	0%
Total	314	100%	305	100%	68	100%	66	100%

Source: Va. Healthcare Workforce Data Center

² This column estimates the total number of clients treated per week across both primary and secondary work locations.

A Closer Look:

Retirement Expectations				
Expected Retirement Age	All		Over 50	
	#	%	#	%
Under Age 50	3	1%	-	-
50 to 54	9	3%	1	1%
55 to 59	24	8%	5	4%
60 to 64	71	24%	16	14%
65 to 69	117	40%	50	44%
70 to 74	43	15%	24	21%
75 to 79	5	2%	2	2%
80 or Over	1	0%	1	1%
I Do Not Intend to Retire	20	7%	14	12%
Total	292	100%	113	100%

Source: Va. Healthcare Workforce Data Center

At a Glance:

Retirement Expectations

All Audiologists

Under 65: 37%

Under 60: 12%

Audiologists 50 and Over

Under 65: 19%

Under 60: 5%

Time until Retirement

Within 2 Years: 4%

Within 10 Years: 18%

Half the Workforce: By 2043

Source: Va. Healthcare Workforce Data Center

More than one-third of all audiologists expect to retire by the age of 65. Among those audiologists who are age 50 or over, 19% still expect to retire by the age of 65.

Within the next two years, 9% of audiologists expect to increase their client care hours. In addition, 4% of audiologists also expect to pursue additional educational opportunities.

Future Plans

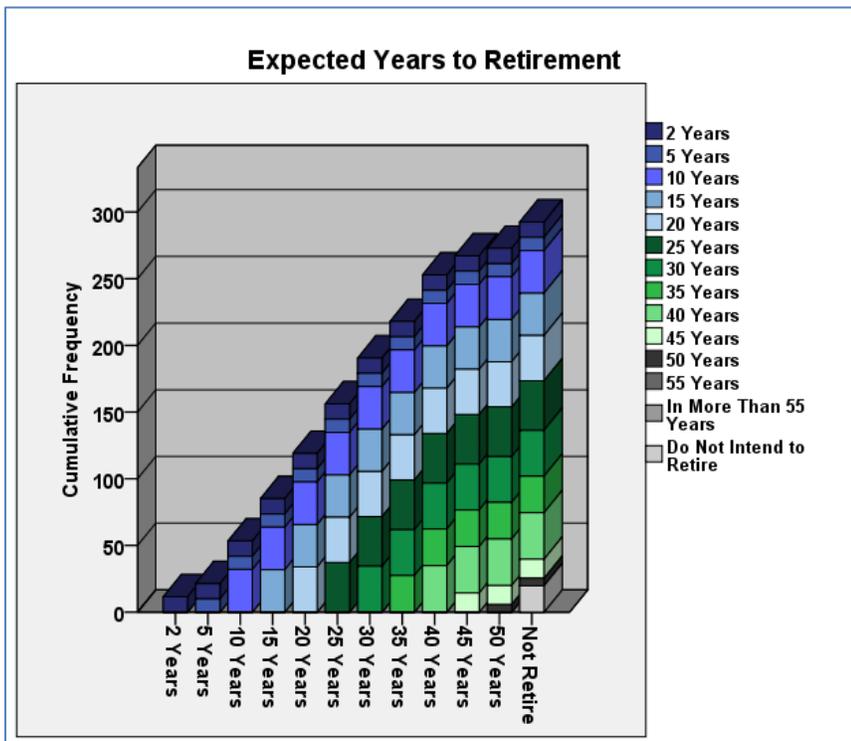
2 Year Plans:	#	%
Decrease Participation		
Leave Profession	6	1%
Leave Virginia	12	3%
Decrease Client Care Hours	14	3%
Decrease Teaching Hours	0	0%
Increase Participation		
Increase Client Care Hours	37	9%
Increase Teaching Hours	12	3%
Pursue Additional Education	18	4%
Return to Virginia's Workforce	1	0%

Source: Va. Healthcare Workforce Data Center

By comparing retirement expectation to age, we can estimate the maximum years to retirement for audiologists. Only 4% of audiologists expect to retire in the next two years, while 18% plan to retire in the next ten years. Half of the current audiology workforce expect to retire by 2043.

Time to Retirement			
Expect to Retire Within . . .	#	%	Cumulative %
2 Years	12	4%	4%
5 Years	10	3%	8%
10 Years	32	11%	18%
15 Years	32	11%	29%
20 Years	34	12%	41%
25 Years	37	13%	54%
30 Years	34	12%	65%
35 Years	27	9%	75%
40 Years	35	12%	87%
45 Years	14	5%	91%
50 Years	6	2%	93%
55 Years	0	0%	93%
In More Than 55 Years	0	0%	93%
Do Not Intend to Retire	20	7%	100%
Total	292	100%	

Source: Va. Healthcare Workforce Data Center



Source: Va. Healthcare Workforce Data Center

Using these estimates, retirement will begin to reach 10% of the current workforce every five years starting in 2028. Retirement will peak at 13% of the current workforce around 2043 before declining to under 10% of the current workforce again around 2063.

At a Glance:

FTEs

Total: 347
 FTEs/1,000 Residents³: 0.041
 Average: 0.85

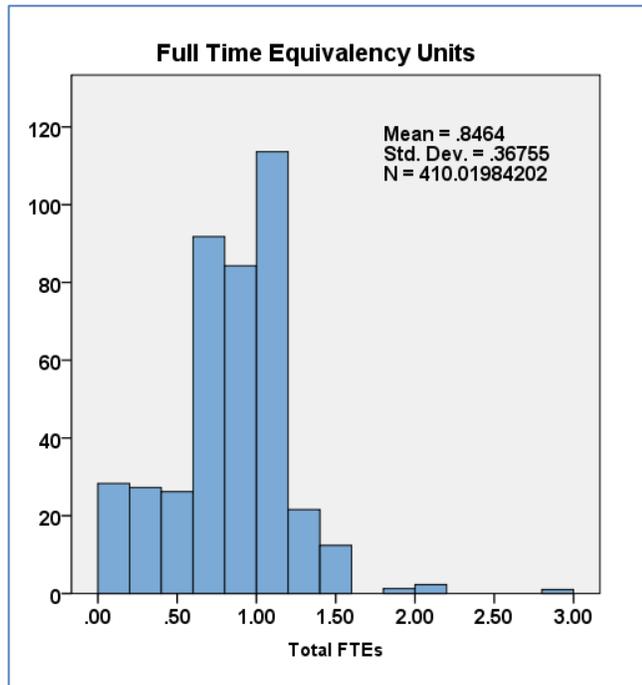
Age & Gender Effect

Age, Partial Eta³: Small
 Gender, Partial Eta³: Negligible

Partial Eta³ Explained:
 Partial Eta³ is a statistical measure of effect size.

Source: Va. Healthcare Workforce Data Center

A Closer Look:

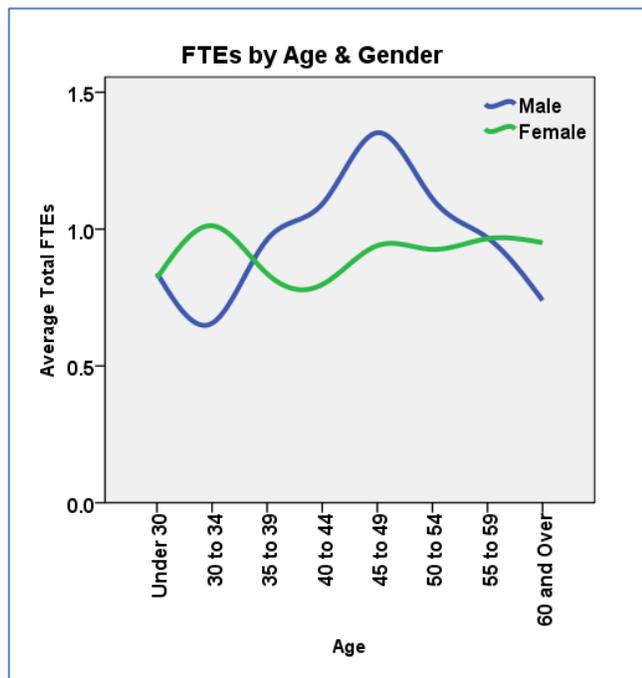


Source: Va. Healthcare Workforce Data Center

The typical audiologist provided 0.87 FTEs in 2018, or about 35 hours per week for 50 weeks. Statistical tests did not indicate that FTEs vary by age or gender.

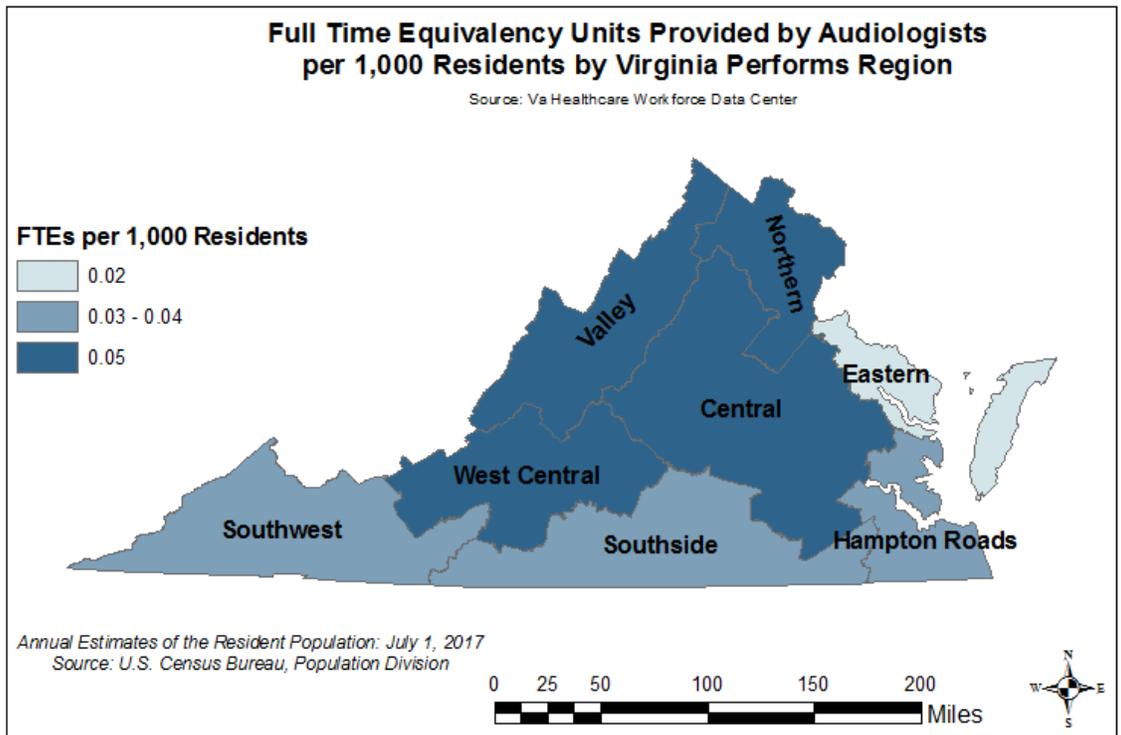
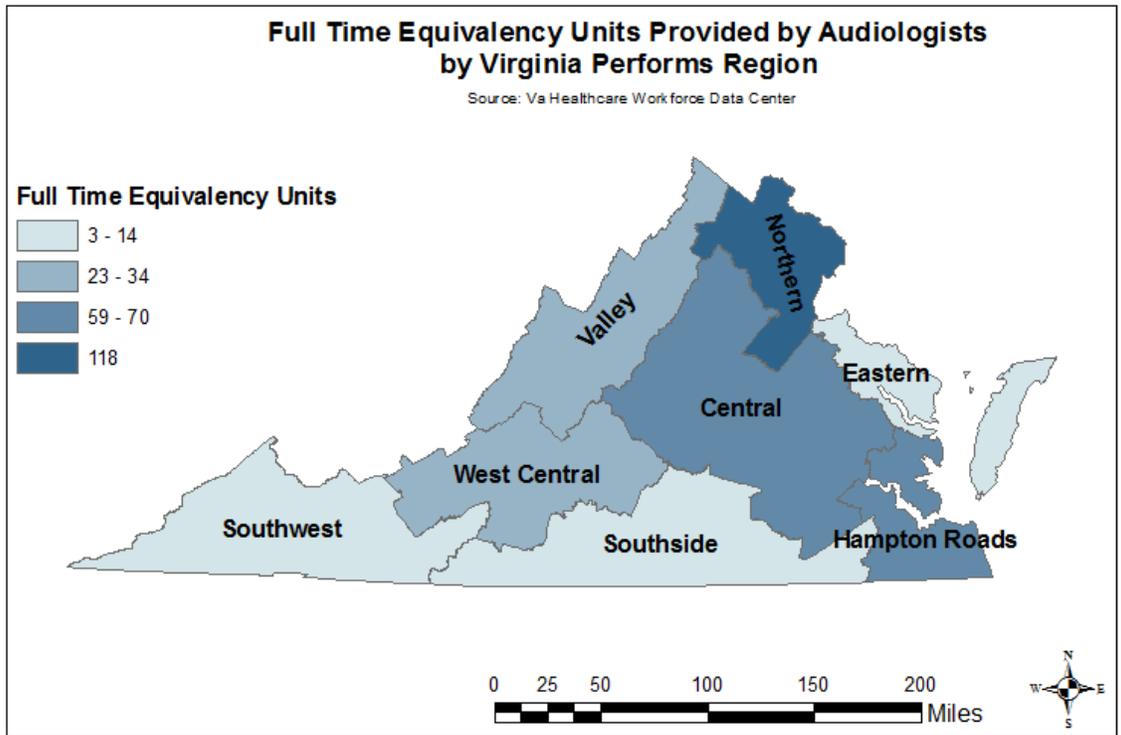
Full-Time Equivalency Units		
	Average	Median
Age		
Under 30	0.82	0.84
30 to 34	0.96	0.94
35 to 39	0.84	0.83
40 to 44	0.69	0.76
45 to 49	0.92	0.85
50 to 54	0.94	0.93
55 to 59	0.91	0.80
60 and Over	0.75	0.93
Gender		
Male	0.93	1.05
Female	0.90	0.94

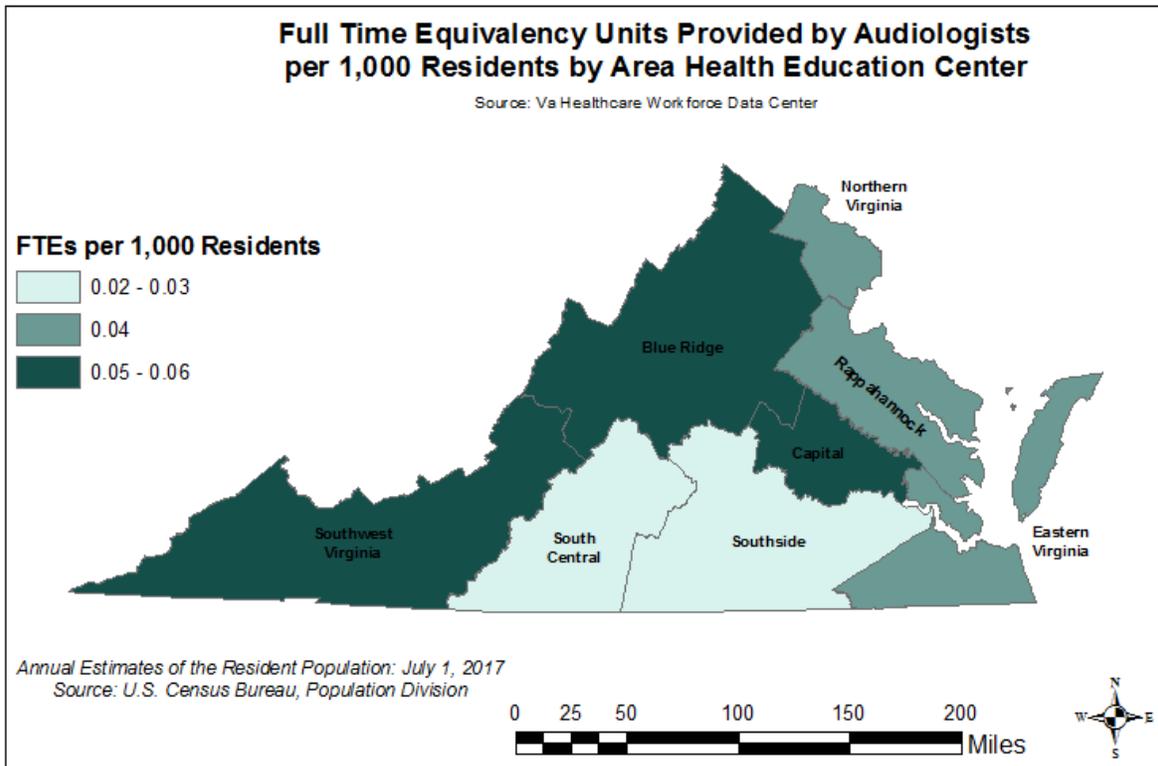
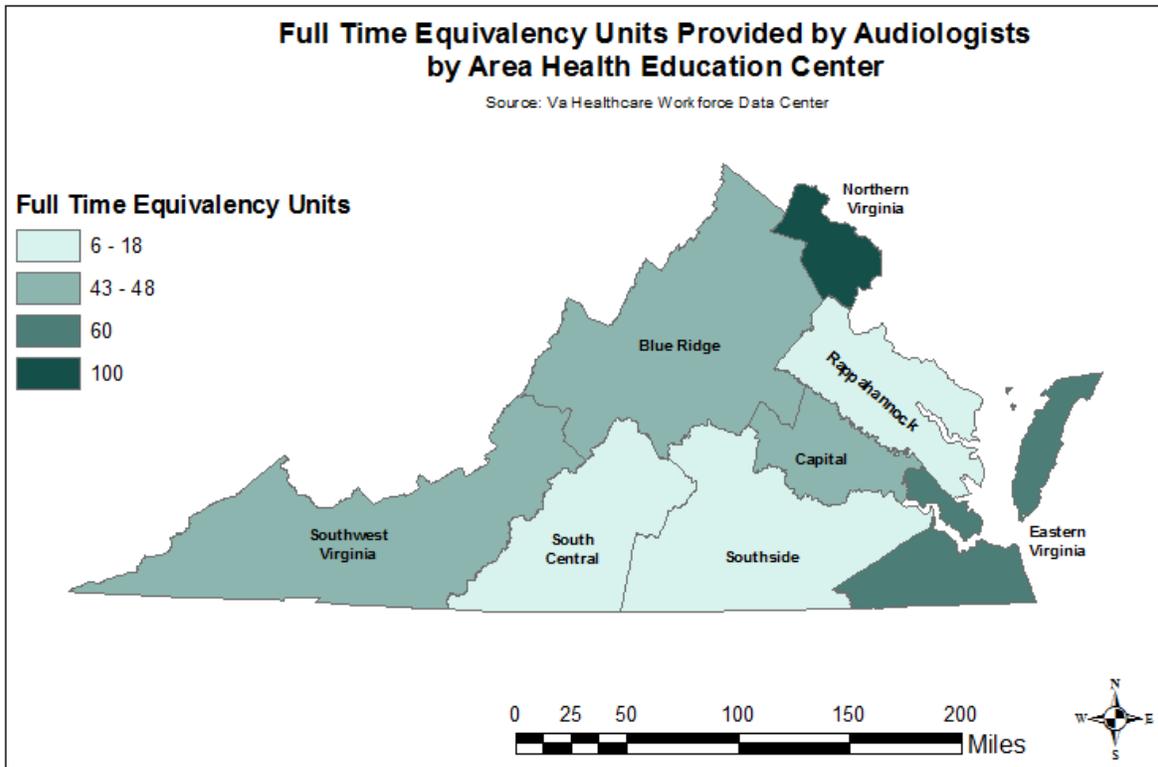
Source: Va. Healthcare Workforce Data Center

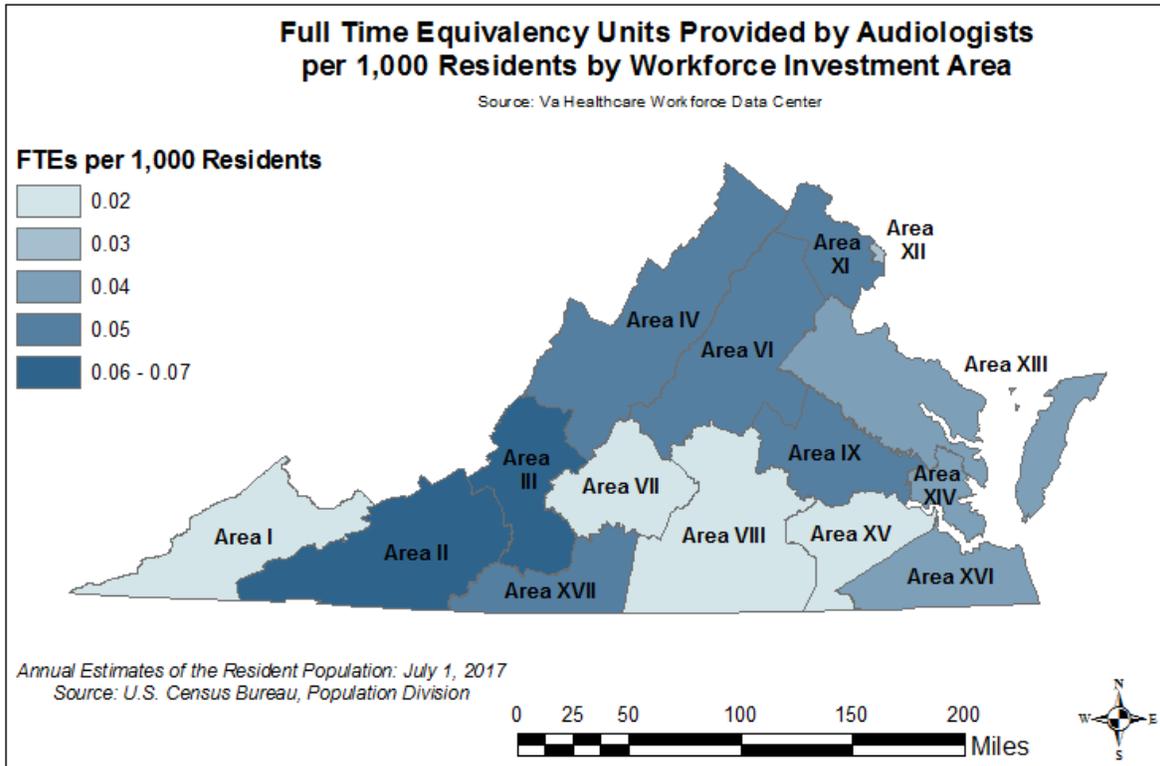
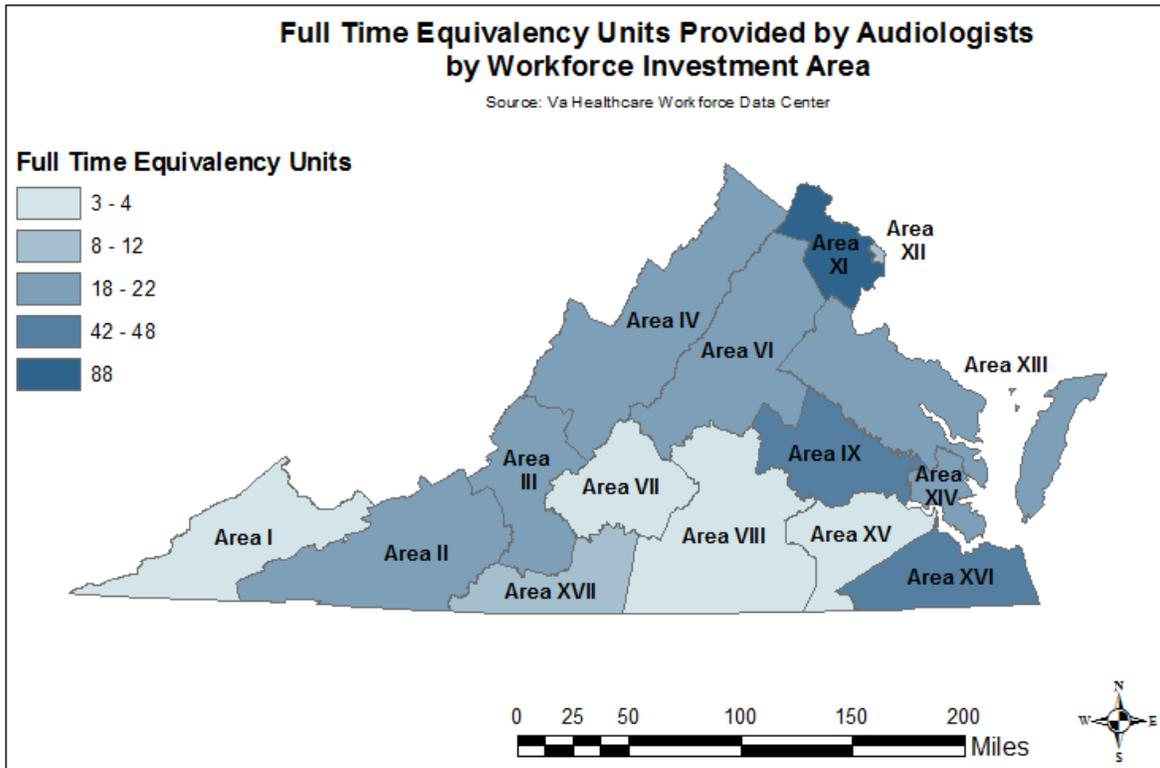


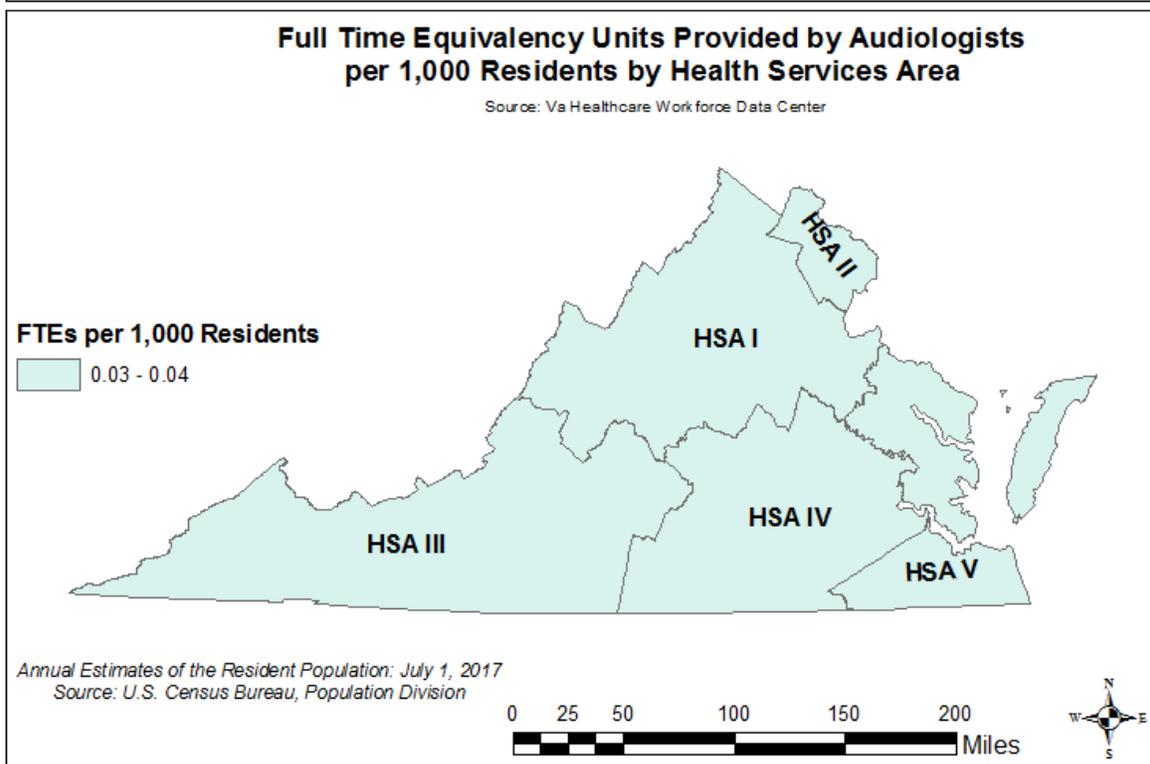
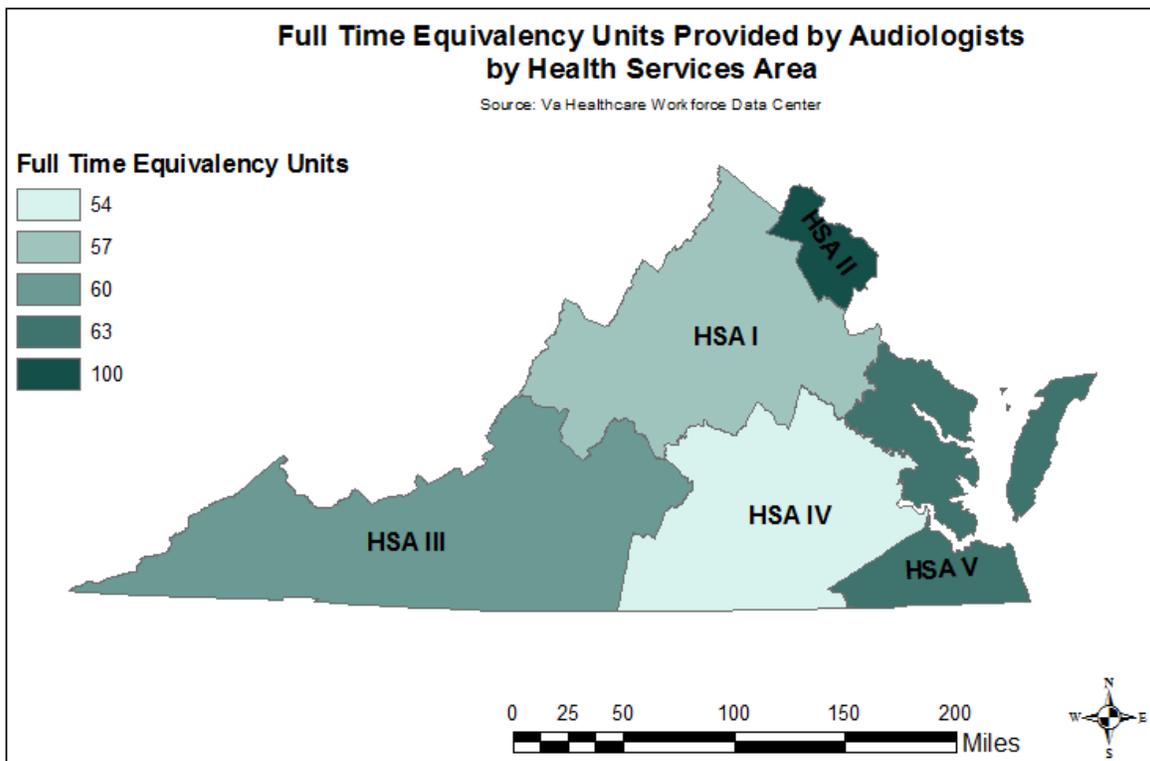
Source: Va. Healthcare Workforce Data Center

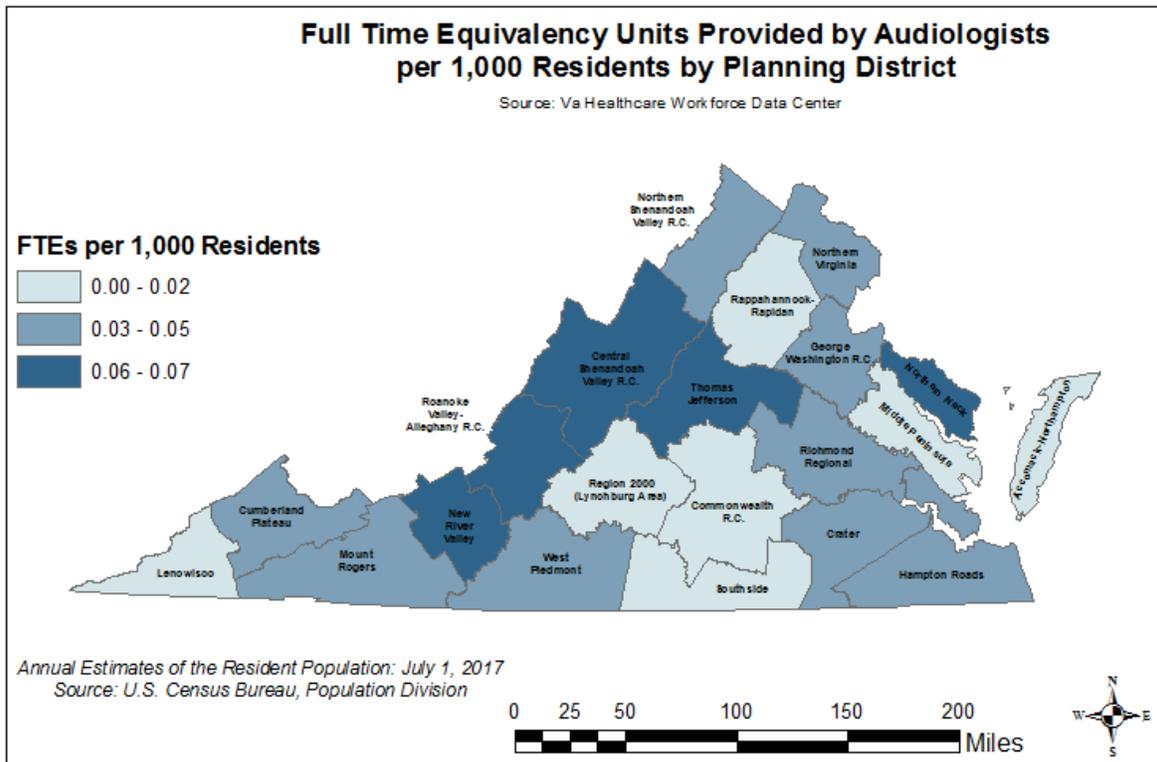
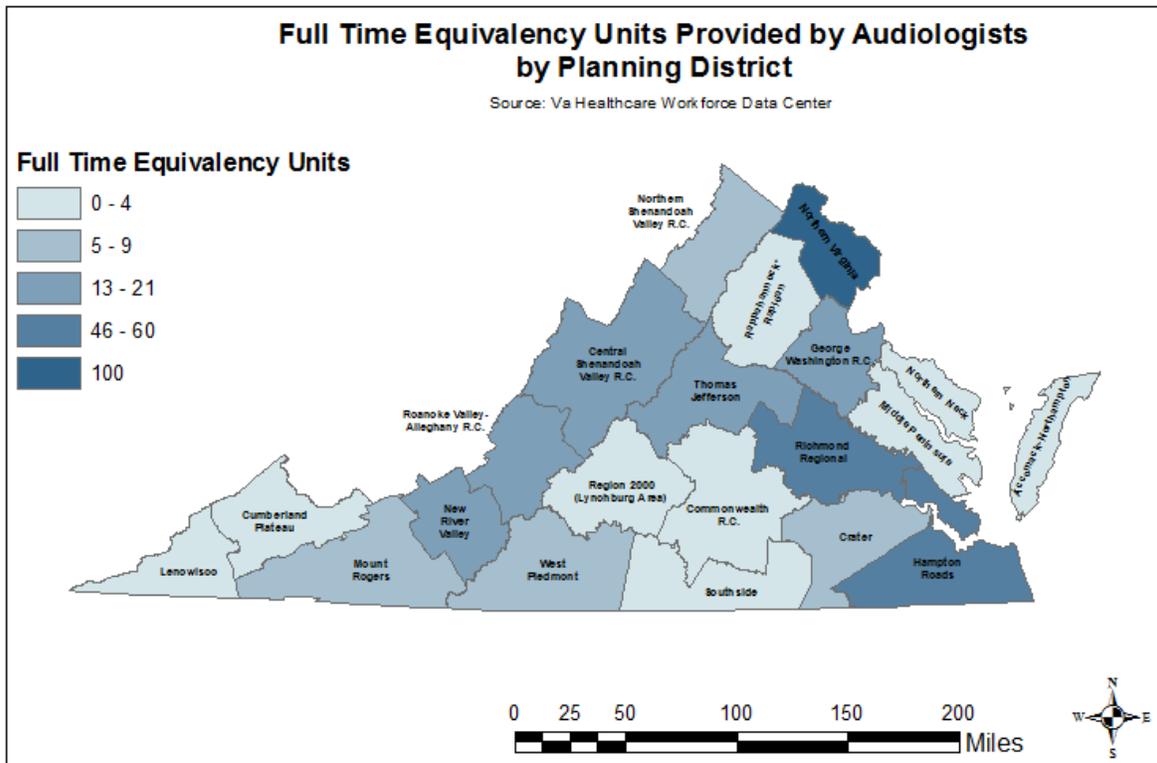
³ Number of residents in 2017 was used as the denominator.











Appendix

Weights

Rural Status	Location Weight			Total Weight	
	#	Rate	Weight	Min	Max
Metro, 1 Million+	264	90.91%	1.1	1.02571	1.42619
Metro, 250,000 to 1 Million	34	73.53%	1.36	1.26815	1.76329
Metro, 250,000 or Less	56	87.50%	1.142857	1.06567	1.48176
Urban Pop 20,000+, Metro Adj	9	33.33%	3	2.8219	2.90764
Urban Pop 20,000+, Non-Adj	0	NA	NA	NA	NA
Urban Pop, 2,500-19,999, Metro Adj	11	100.00%	1	0.93246	1.01765
Urban Pop, 2,500-19,999, Non-Adj	8	100.00%	1	0.93246	1.01765
Rural, Metro Adj	4	100.00%	1	0.94063	1.01765
Rural, Non-Adj	2	100.00%	1	0.99009	1.01765
Virginia Border State/DC	98	77.55%	1.289474	1.20239	1.67185
Other US State	48	75.00%	1.333333	1.24329	1.72871

Source: Va. Healthcare Workforce Data Center

Age	Age Weight			Total Weight	
	#	Rate	Weight	Min	Max
Under 30	61	65.57%	1.525	1.42619	1.76329
30 to 34	61	85.25%	1.173077	0.99734	1.35638
35 to 39	52	90.38%	1.106383	0.94063	2.8219
40 to 44	79	83.54%	1.19697	1.01765	1.384
45 to 49	64	90.63%	1.103448	1.03195	1.27587
50 to 54	57	87.72%	1.14	0.96921	2.90764
55 to 59	68	91.18%	1.096774	0.93246	1.26815
60 and Over	92	85.87%	1.164557	0.99009	1.34652

Source: Va. Healthcare Workforce Data Center

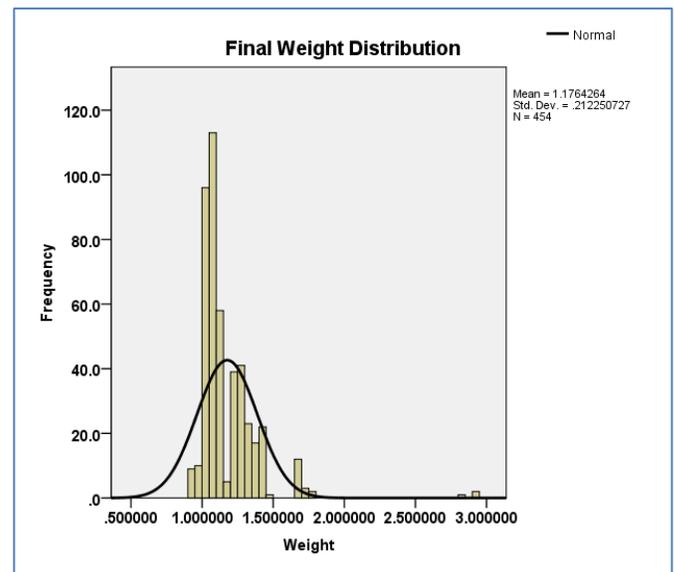
See the Methods section on the HWDC website for details on HWDC Methods:

www.dhp.virginia.gov/hwdc/

Final weights are calculated by multiplying the two weights and the overall response rate:

$$\text{Age Weight} \times \text{Rural Weight} \times \text{Response Rate} = \text{Final Weight}$$

Overall Response Rate: 0.850187



Source: Va. Healthcare Workforce Data Center