



New River/Mount Rogers Skills Gap Analysis: County Data Profiles

Smyth County, Virginia

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Part A: Economic and Demographic Data

Table I: Population, Employment, and Educational Attainment Trendsⁱ

Population Data		
Population	32,268	
Population between the Ages of 25 and 64	17,097	
Population Change (2002-2012)	-926	
Employment and Income Data		
Population Participating in the Labor Force	13,977 (43.3%)	
Unemployment Rate	7.0%	
Per Capita Income	\$28,669	
Education Attainment (Population Est.)		
Less than 9 th Grade	2,445	
9 th -12 th Grade, No Diploma	3,070	
High School Graduate	8,551	
Some College, no degree	3,796	
Associate's Degree	1,830	
Bachelor's Degree	2,210	
Graduate or Professional Degree	1,086	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	1,084	80.1%
High School Graduate	4,224	92.9%
Some College or Associate's Degree	3,705	96.2%
Bachelor's Degree or Higher	2,436	99.2%

Part B: Industry Data

Figure I: Industry Employment Trends (NAICS 2-Digit)ⁱⁱ

LQ: >1= Above National Average Concentration of Employment

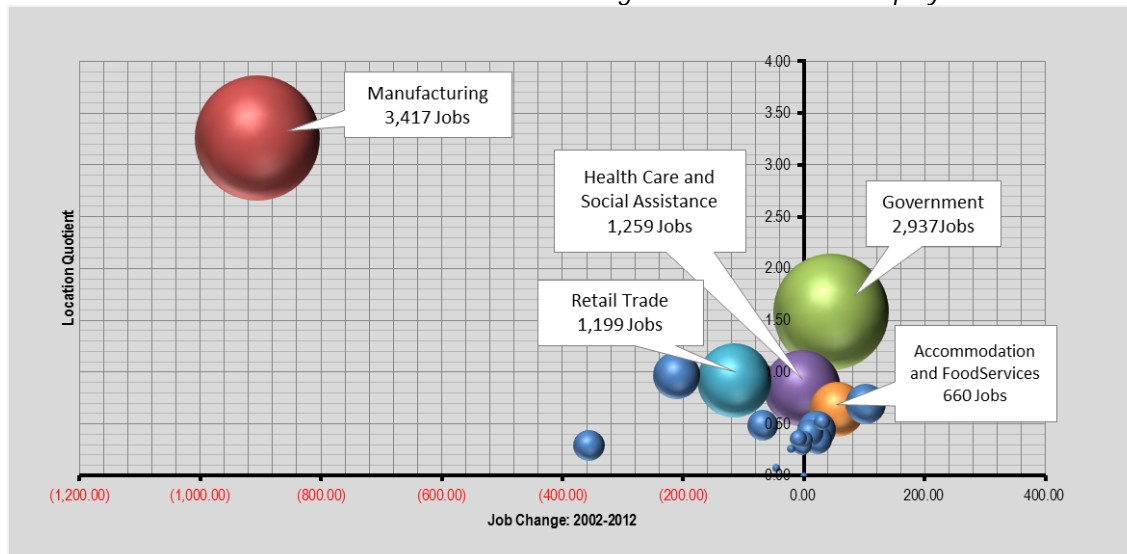


Table II: Top Ten Industries for Employment, by NAICS 3-Digitⁱⁱⁱ

	2002 Jobs	2012 Jobs	Change Jobs (2002-2012)	% of Change (2002-2012)	Average Wages, Salaries, & Proprietor Earnings
Local Government	1,811	1,872	61	3%	\$29,492
Transportation Equipment Mfg.	1,663	1,746	83	5%	\$41,137
State Government	975	991	16	2%	\$34,596
Food Services and Drinking Places	523	602	79	15%	\$12,417
Plastics and Rubber Products Mfg.	391	565	174	45%	\$45,063
Food and Beverage Stores	441	411	(-30)	(-7%)	\$14,273
Hospitals (Private)	518	373	(-145)	(-28%)	\$35,852
Nursing and Residential Care Facilities	361	340	(-21)	(-6%)	\$23,799
Ambulatory Health Care Services	279	299	20	7%	\$47,077
Administrative and Support Services	291	294	3	1%	\$23,748

Table III: Worker Age Demographics (Manufacturing and Health Care and Social Assistance)^{iv}

	Manufacturing		Health Care & Social Assistance	
	Jobs (2013)	% of Total	Jobs (2013)	% of Total
14-18 Years	<10	.3%	11	.8%
19-21 Years	117	3.4%	37	2.9%
22-24 Years	132	3.9%	72	5.7%
25-34 Years	571	16.7%	231	18.3%
35-44 Years	903	26.4%	287	22.8%
45-54 Years	965	28.2%	311	24.7%
55-64 Years	617	18.0%	233	18.5%
65+ Years	109	3.2%	78	6.2%

Part C: Occupation Data

Table IV: Top Ten Occupations (SOC 5-Digit)^v

Occupation		Jobs (2012)	Job Change (2002-2012)	% of All Jobs in County	Median Hourly Earnings (Region)	Educational Attainment (National)
1.	Cashiers	380	(-23)	3.27%	\$8.38	Short-term on-the-job training
2.	Combined Food Preparation and Serving Workers, Including Fast Food	358	27	3.08%	\$8.71	Short-term on-the-job training
3.	Office Clerks, General	296	(-37)	2.55%	\$10.62	Short-term on-the-job training
4.	Registered Nurses	255	(-35)	2.20%	\$20.74	Associate's degree
5.	Team Assemblers	239	(-68)	2.06%	\$10.88	Moderate-term on-the-job training
6.	Retail Salespersons	217	(-18)	1.87%	\$10.02	Short-term on-the-job training
7.	Stock Clerks and Order Fillers	191	(-2)	1.65%	\$9.55	Short-term on-the-job training
8.	First-Line Supervisors of Production and Operating Workers	189	(-23)	1.63%	\$22.19	Work experience in a related occupation
9.	Welders, Cutters, Solderers, and Brazers	183	41	1.58%	\$14.19	Postsecondary non-degree award
10.	Nursing Assistants	155	(-13)	1.34%	\$9.62	Postsecondary non-degree award
	Total for Top 10 Jobs	2,463	(-151)	21.22%	**	**
	Total for County (All Jobs)	11,605	(-1,453)	**	\$15.66	**

Table V: Industry Staffing Patterns for County's Top Ten Occupations for Employment (2012)^{vi}

Occupation	Jobs (2012)	Top Regional Subsectors for Occupation Employment		
		Sector (NAICS 3-Digit)	% of Occupation Employed in this Industry Subsector	% of Jobs in Industry Sector
1. Cashiers	380	Food and Beverage Stores	40.2%	36.8%
		Gasoline Stations	24.0%	69.7%
		General Merchandise Stores	12.9%	18.7%
2. Combined Food Preparation and Serving Workers, Including Fast Food	358	Food Service and Drinking Places	77.5%	46.0%
		Local Government	8.4%	1.6%
		Food and Beverage Stores	7.5%	6.3%
3. Office Clerks, General	296	Local Government	19.7%	3.1%
		State Government	12.1%	3.7%
		Transportation Equipment Mfg.	9.0%	1.5%
4. Registered Nurses	255	Hospitals (Private)	43.1%	30.3%
		State Government	35.7%	9.1%
		Machinery Mfg.	8.5%	6.6%
5. Team Assemblers	239	Transportation Equipment Mfg.	66.1%	9.3%
		Plastics and Rubber Products Mfg.	8.7%	3.7%
		Machinery Mfg.	8.4%	8.7%
6. Retail Salespersons	217	General Merchandise Stores	38.0%	32.0%
		Motor Vehicle and Parts Dealers	14.5%	21.9%
		Building Material and Garden Equipment and Supplies Dealers	9.7%	70.5%
7. Stock Clerks and Order Fillers	191	Food and Beverage Stores	33.6%	15.6%
		General Merchandise Stores	24.2%	17.9%
		Transportation Equipment Mfg.	8.7%	1.0%
8. First-Line Supervisors of Production and Operating Workers	189	Transportation Equipment Mfg.	44.6%	4.8%
		Plastics and Rubber Products Mfg.	18.1%	5.9%
		Machinery Mfg.	5.9%	4.8%
9. Welders, Cutters, Solderers, and Brazers	183	Transportation Equipment Mfg.	79.6%	8.5%
		Machinery Mfg.	10.0%	8.0%
		Fabricated Metal Product Mfg.	5.6%	8.9%
10. Nursing Assistants	155	Nursing and Residential Care Facilities	63.9%	29.6%
		Hospitals (Private)	15.5%	6.5%
		State Government.	12.5%	1.9%

Part D: Education Data

Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – Smyth County (AY: 2012-2013)
(All)^{vii}

Grade	English: Reading		English: Writing		Mathematics		Science		History and Social Science	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
Grade 3	78	22	N/A	N/A	59	41	85	15	89	11
<i>Virginia Average</i>	72	28	N/A	N/A	65	35	84	16	87	13
Grade 5	64	36	61	39	53	47	68	32	<	<
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	68	32	63	37	48	52	78	22	<	<
<i>Virginia Average</i>	71	29	70	30	61	39	76	24	81	19

Table VII: SOL Pass/Fail Rates, by High School (AY: 2012-2013)^{viii}

	Virginia		Smyth County		Chilhowie High School		Marion Senior High School		Northwood High School	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
English Reading	89	11	85	15	91	9	82	18	82	18
English Writing	87	13	81	19	86	14	73	27	93	7
Algebra I	76	24	72	28	79	21	49	51	41	59
Geometry I	76	24	60	40	65	35	55	45	55	45
Algebra II	76	24	79	21	83	17	86	14	47	53
Biology	83	17	75	25	86	14	72	28	63	37
Chemistry	86	14	64	36	82	18	49	51	64	36
Earth Science	83	17	86	14	96	4	76	24	97	3

Table VIII: Four-Year Virginia On-Time Graduation Rate (AY: 2012-2013)^{ix}

	Cohort Size	Advanced Studies Diploma	Standard Diploma	Modified Standard Diploma	Special Diploma	General Achievement Diploma	Virginia On-Time Graduation Rate
All Students	373	124	201	15	<	0	92
<i>Economically Disadvantaged anytime</i>	220	42	137	12	<	0	88.2
<i>Homeless anytime</i>	<	0	<	0	0	0	<
Virginia On-Time Graduation Rate (All Students)							89.1%

Table IX: Trends for Program Completion (AY: 2010-2011 to AY: 2012-2013)^x

Count/ Percentage	2010-2011	2011-2012	2012-2013	Virginia (%) for 2011-2012*
	Advanced Diploma	122 / 32.88%	146 / 41.24%	125 / 36.34%
GED/ISAEP	20 / 5.39%	12 / 3.39%	<	2.02%
Modified Standard Diploma	22 / 5.93%	<	14 / 4.07%	2.01%
Special Diploma	<	<	<	2.56%
Standard Diploma	200 / 53.91%	179 / 50.56%	197 / 57.27%	39.77%

Table X: Advanced Program Information (AY: 2010-2011 to AY: 2012-2013)^{xi}

Program type	2010-2011	2011-2012	2012-2013	Virginia (%) for 2011-2012
Advanced Placement Course Enrollment	164 / 11.32%	161 / 11.32%	170 / 11.76%	20.38%
Dual Enrollment Courses Taken	267 / 18.43%	247 / 17.37%	306 / 21.18%	6.73%

Table XI: Career and Technical Education Trends (AY 2010-2011 to AY: 2012-2013)^{xii}

Count		2010-2011	2011-2012	2012-2013
NOCTI Assessments	Smyth County	60	15	15
	State	4,664	4,250	4,577
State Licensures	Smyth County	4	2	5
	State	880	707	673
Industry Certification	Smyth County	48	38	62
	State	28,586	32,582	39,658
Workplace Readiness	Smyth County	89	154	278
	State	2,589	13,653	21,312
Total Credentials Earned	Smyth County	201	209	360
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Smyth County	169	199	325
	State	30,613	42,218	56,247
CTE Completers	Smyth County	209	214	225
	State	41,329	41,677	40,761

Table XII: Trends for Teacher Education Attainment, by %^{xiii}

	2010-2011	2011-2012	2012-2013
Smyth County			
Bachelor's Degree	59%	60%	59%
Master's Degree	38%	38%	37%
Doctoral Degree	1%	0%	0%
Virginia			
Bachelor's Degree	41%	42%	42%
Master's Degree	56%	55%	55%
Doctoral Degree	1%	1%	1%

Section II: Postsecondary Education Completion Data

Table XIII: Completions at Regional Community College Institutions During AY: 2012-2013, by Student County/City of Origin (Smyth County)^{xiv}

Type of Credential	# of Completions for Students of Smyth County Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	0	41	26	<i>Data Update Forthcoming</i>
1-2 Years	1	38	48	
Associate's (Bachelor's Credit)	0	21	27	
Associate's (Technical Credit)	0	21	34	
# of County/City Students Transferring from Institution to a Public/Private Non-Profit Institution in Virginia	<i>Data Update Forthcoming</i>			

Table XIV: Completions at Regional 4-Year Public and Non-Profit Institutions During AY: 2012-2013, by Student County/City of Origin (Smyth County)^{xv}

Type of Credential	Virginia Tech	Radford University	Emory and Henry College (2011-2012 Only)	Virginia Intermont College	All Virginia Public 4+ Year Institutions	All Virginia Private Non-Profit 4+ Year Institutions
Associate's Degree	1	N/A	N/A	N/A	<i>Data Update Forthcoming</i>	
Bachelor's 4-Year	13	16	14	5	46	15
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	1	7	4	N/A	<i>Data Update Forthcoming</i>	
Doctoral Degree	0	N/A	N/A	N/A		

ⁱ Source: U.S. Census Bureau. American Community Survey. 5-Year Estimates (2007-2011).

ⁱⁱ Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

ⁱⁱⁱ Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^{iv} Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^v Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^{vi} Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^{vii} Source: Virginia Department of Education School Report Cards.

^{viii} Source: Virginia Department of Education School Report Cards.

^{ix} Source: Virginia Department of Education School Report Cards.

^x Source: Virginia Department of Education School Report Cards. Data not available for AY: 2012-2013.

^{xi} Source: Virginia Department of Education School Report Cards. Data not available for AY: 2012-2013.

^{xii} Source: Virginia Department of Education School Report Cards.

^{xiii} Source: Virginia Department of Education School Report Cards.

^{xiv} Source: State Council of Higher Education for Virginia. Virginia College Navigator. Data for Localities and College to University.

^{xv} Source: State Council of Higher Education for Virginia. Virginia College Navigator. Data for Localities and College to University.