



Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

Employment Change by Industry, 2000-2010

Total employment increased only 1.6% in the Appalachian Region between 2000 and 2010, compared with 5.1% for the nation as a whole. Employment in Southern Appalachia grew the most, at 5.7%, while the Northern subregion experienced a loss of 0.7%.

The industries with the greatest job growth in Appalachia were Mining (43.8%), Finance, Insurance, and Real Estate (26.1%), Health & Social Services (25.2%), and Professional and Technical Services (20.3%). Mining employment expanded by 65.2% in Northern Appalachia and 51.6% in North Central Appalachia. Finance increased the most in South Central (29.3%) and Southern Appalachia (38.9%), along with Health and Social Services, which grew 32.9% and 34.4% in South Central and Southern Appalachia, respectively.

Industries that lost the most jobs over the 2000-2010 period included Manufacturing (-35.8%), Farming (-16.7%), Utilities (-14.7%), and Construction (-7.4%). Manufacturing employment declined at a faster rate than the nation in every region of Appalachia except the Central subregion. In South Central Appalachia, manufacturing employment fell 43.0%.

Employment Shares by Industry, 2000-2010

The industries with the highest shares of total employment in Appalachia were Food, Lodging, and Entertainment (14.7%), State and Local Government (12.1%), Health and Social Services (11.5%), Retail Trade (11.5%), Professional and Technical Services (11.3%), and Manufacturing (9.8%). Shares of these industries were similar to that of the nation, except for Manufacturing, Retail Trade, and Health and Social Services, which were higher in Appalachia, and Professional Services, which was lower. Manufacturing's share of the total was highest in Southern (11.4%), South Central (10.2%), and Northern Appalachia (9.3%)

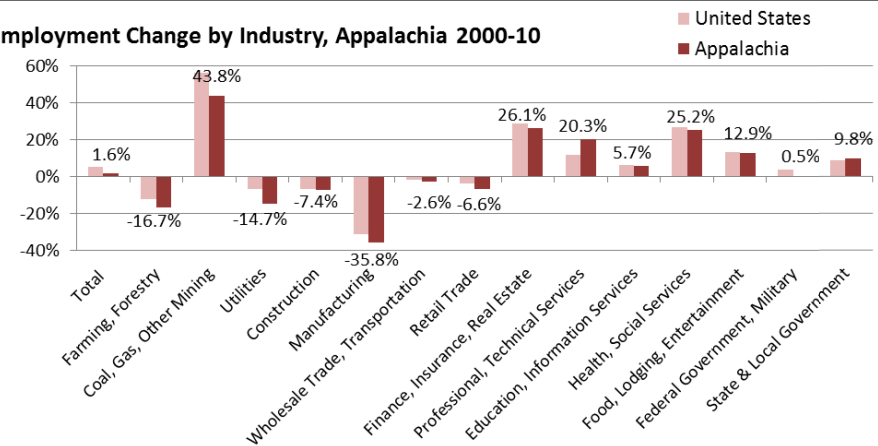
The industries with the smallest share of total employment were Utilities (0.4%), Mining (1.1%), Federal Government (2.1%), Farming (2.6%), and Education (3.3%). Mining ranged from a high of 4.8% of total employment in Central Appalachia to a low of 0.2% in South Central Appalachia.

Employment Index by Industry, 2000-2010

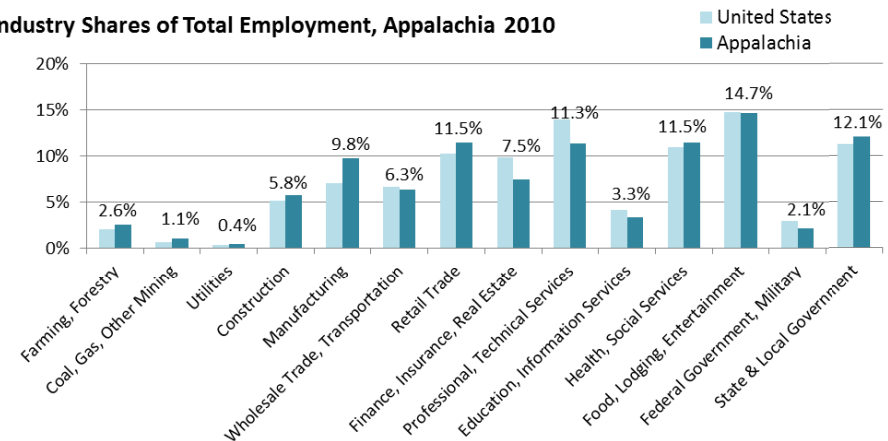
The employment index is the ratio of regional to national employment shares, and measures the relative concentration of a particular industry in a given area. The most highly concentrated industries in Appalachia are Mining (1.61 times the national share), Manufacturing (1.39), Farming and Forestry (1.30), and Utilities (1.27). The industries with the lowest concentration included Federal Government (0.72), Finance (0.76), Education and Information Services (0.79), and Professional and Technical Services (0.81).

It is important to note that the industry sectors with relatively low concentrations in Appalachia had some of the highest growth rates over the 2000-2010 period (Finance, Education and Information Services, and Professional and Technical Services). The reverse is also true: the industry sectors with relatively high concentrations in Appalachia are the industries that contracted over the 2000-2010 period (Manufacturing, Farming and Forestry, and Utilities). This phenomenon largely explains why employment growth in Appalachia lags behind the nation during boom years and falls further during recessions.

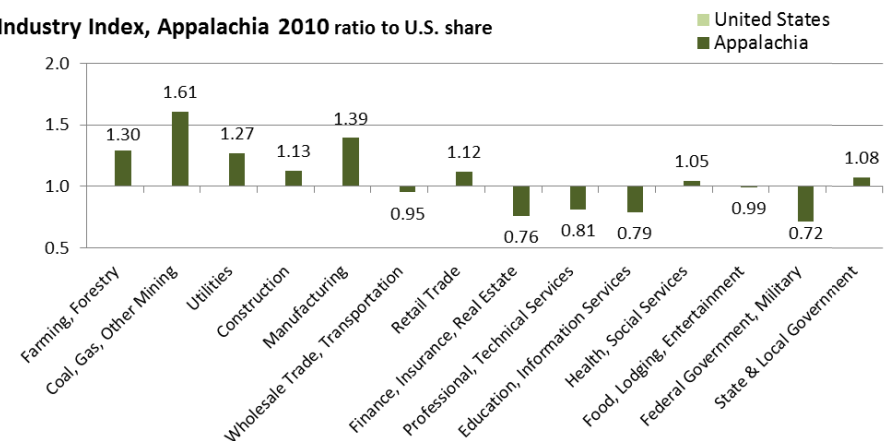
Employment Change by Industry, Appalachia 2000-10



Industry Shares of Total Employment, Appalachia 2010



Industry Index, Appalachia 2010 ratio to U.S. share

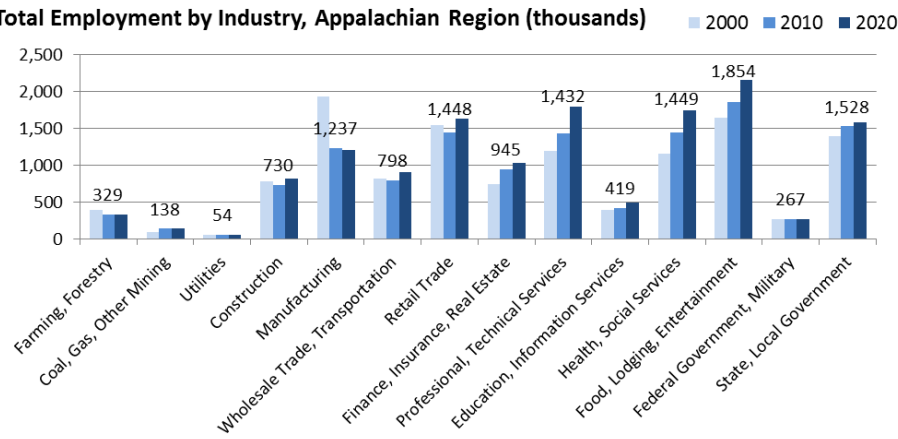




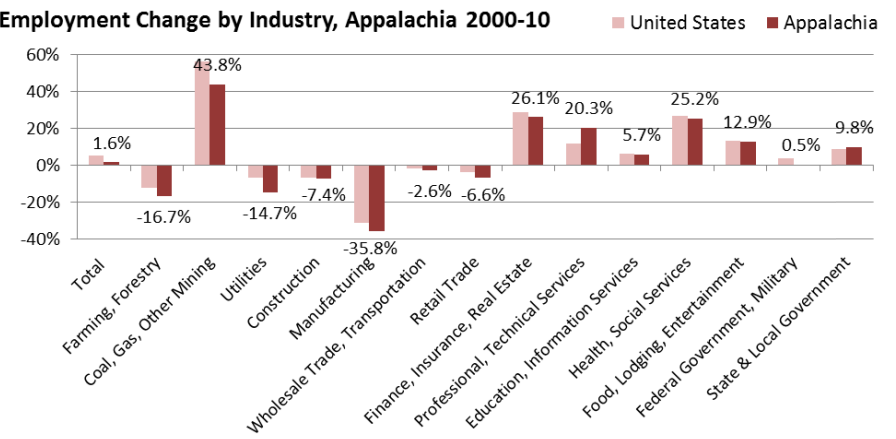
Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

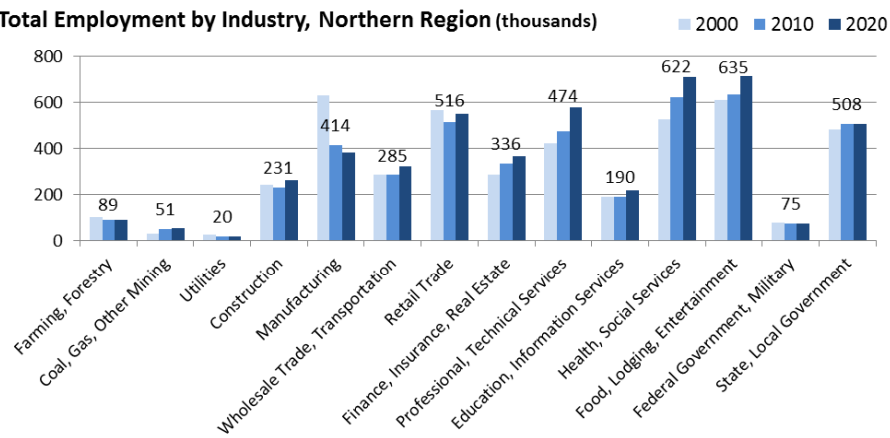
Total Employment by Industry, Appalachian Region (thousands)



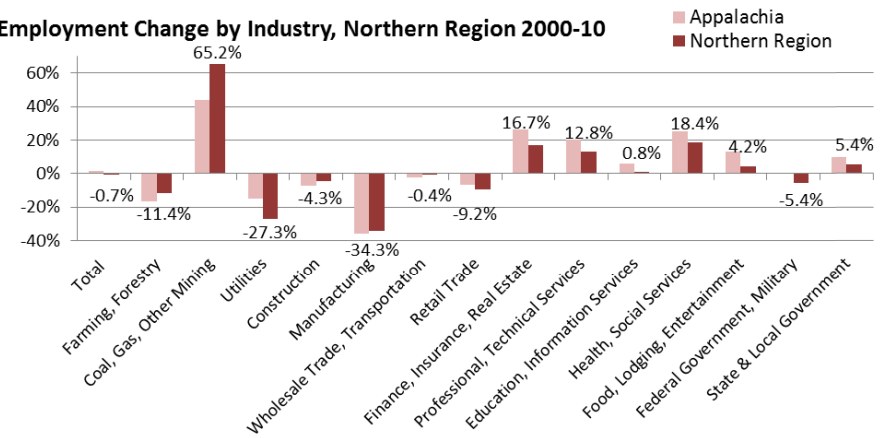
Employment Change by Industry, Appalachia 2000-10



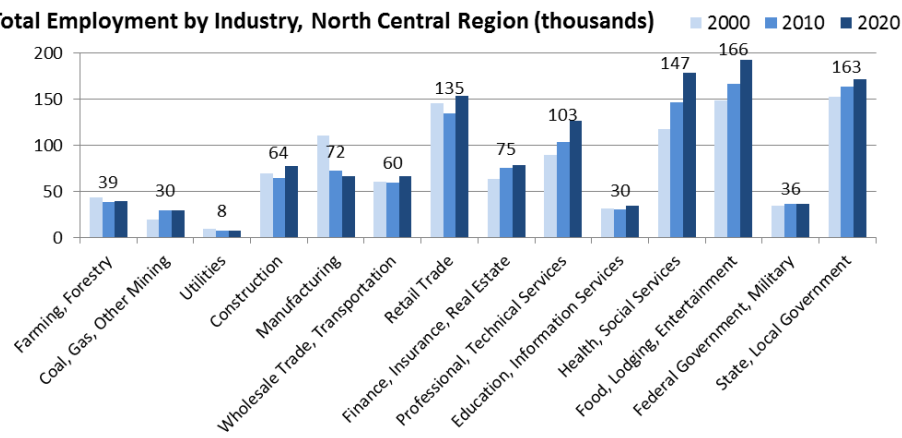
Total Employment by Industry, Northern Region (thousands)



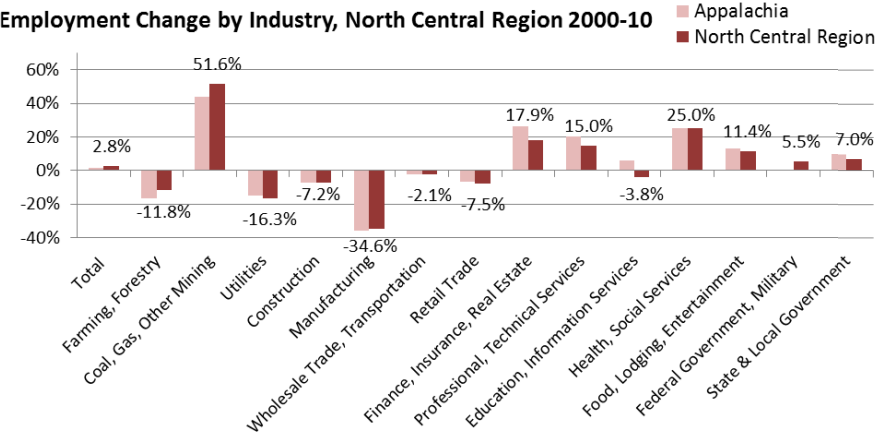
Employment Change by Industry, Northern Region 2000-10



Total Employment by Industry, North Central Region (thousands)



Employment Change by Industry, North Central Region 2000-10

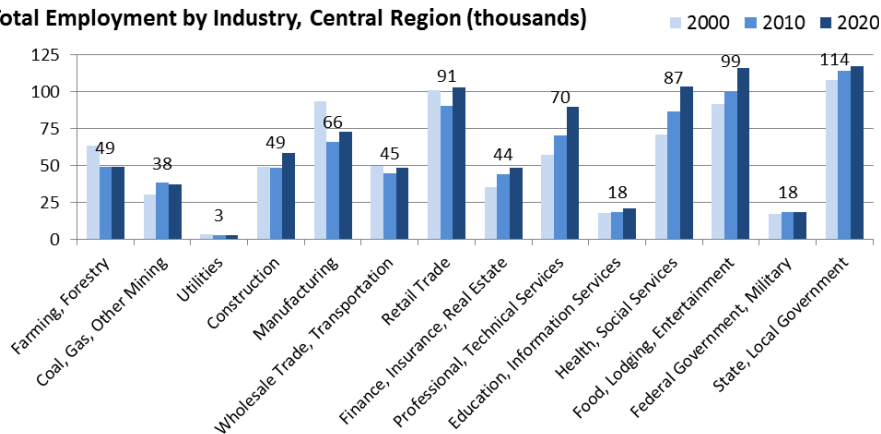




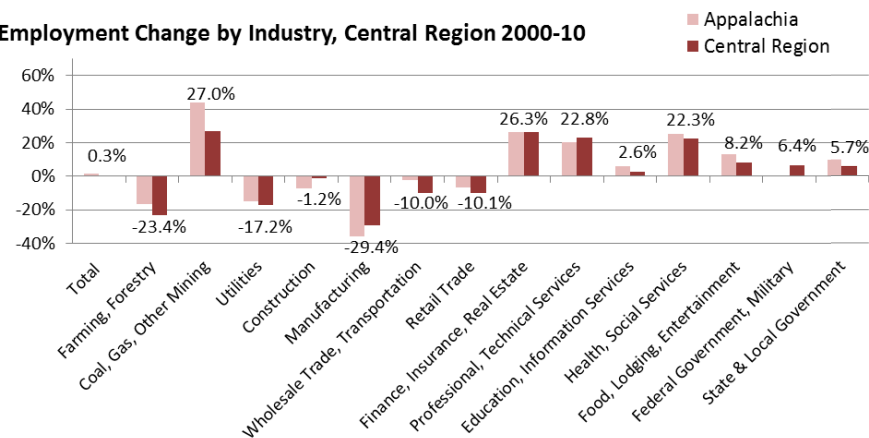
Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

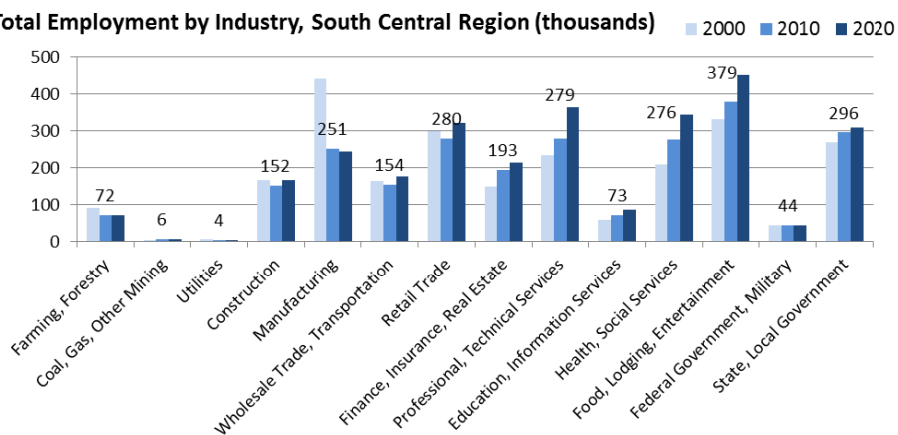
Total Employment by Industry, Central Region (thousands)



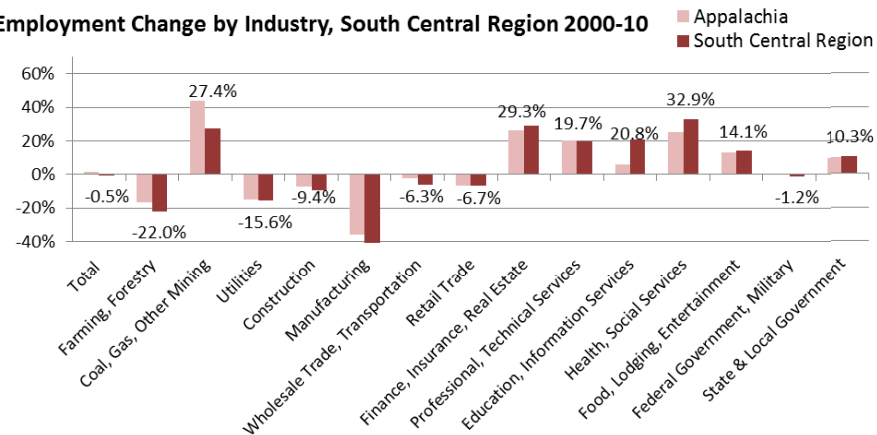
Employment Change by Industry, Central Region 2000-10



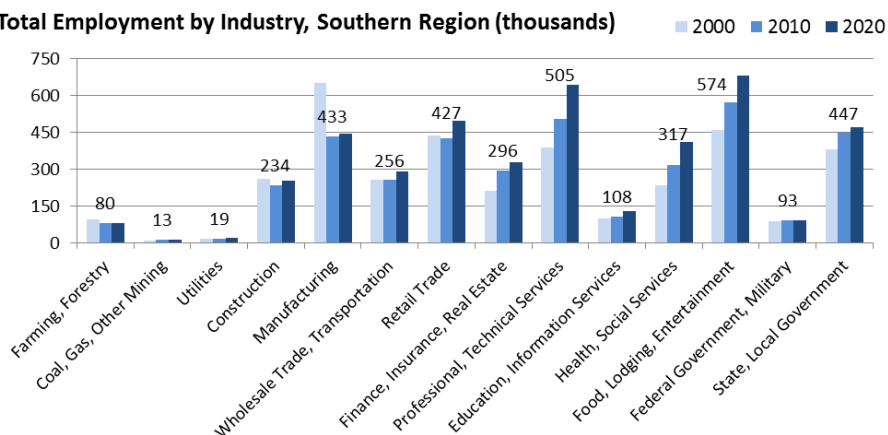
Total Employment by Industry, South Central Region (thousands)



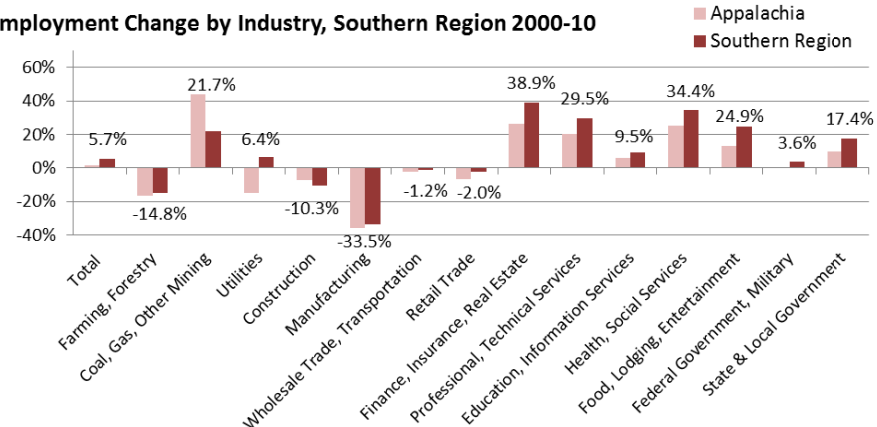
Employment Change by Industry, South Central Region 2000-10



Total Employment by Industry, Southern Region (thousands)



Employment Change by Industry, Southern Region 2000-10

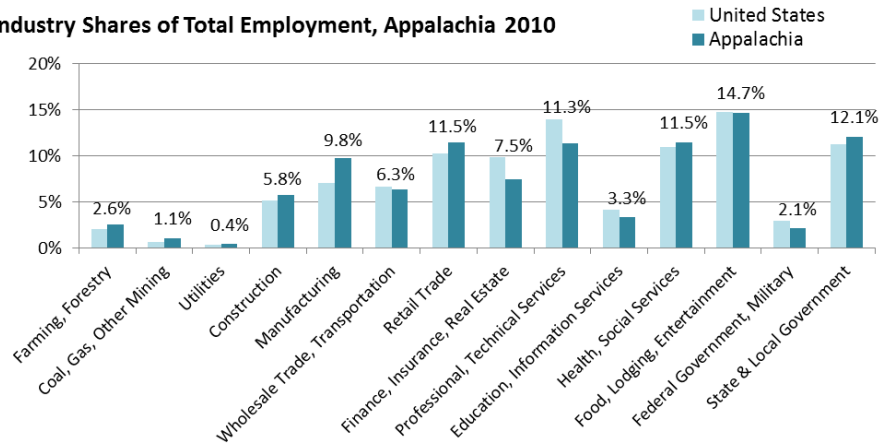




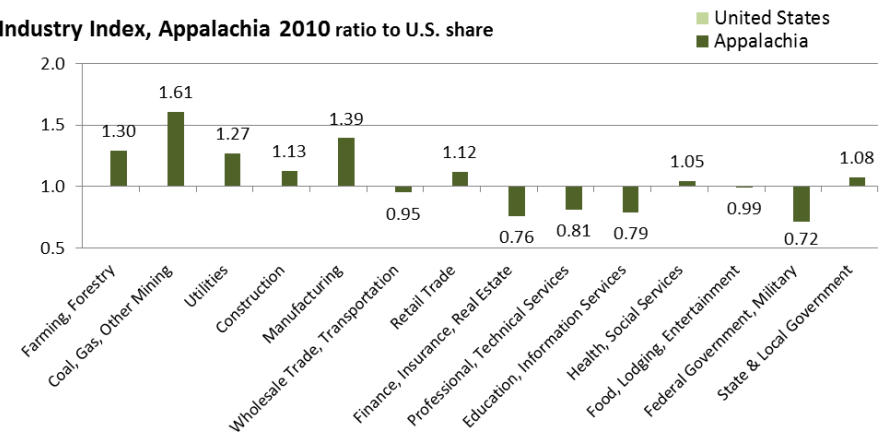
Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

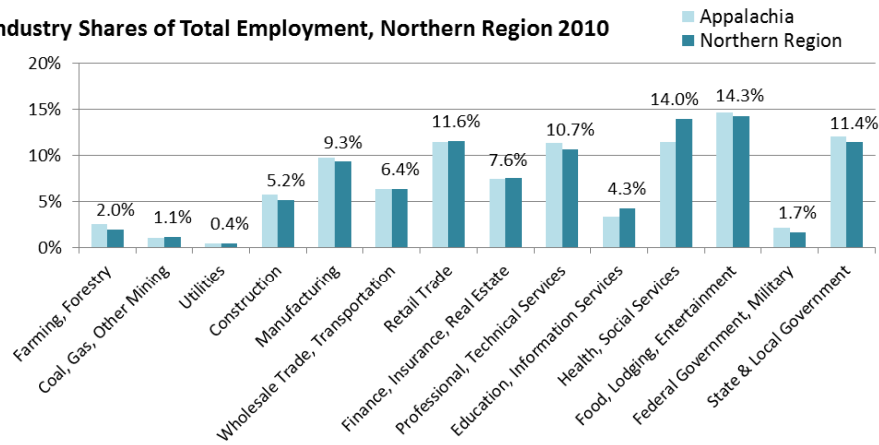
Industry Shares of Total Employment, Appalachia 2010



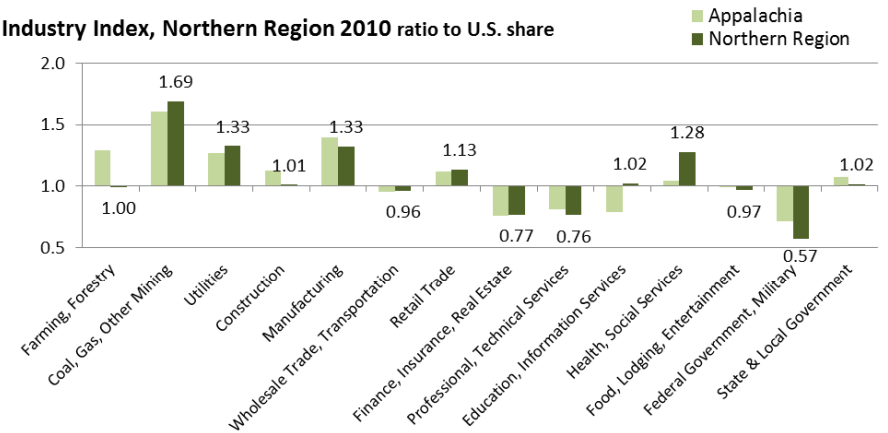
Industry Index, Appalachia 2010 ratio to U.S. share



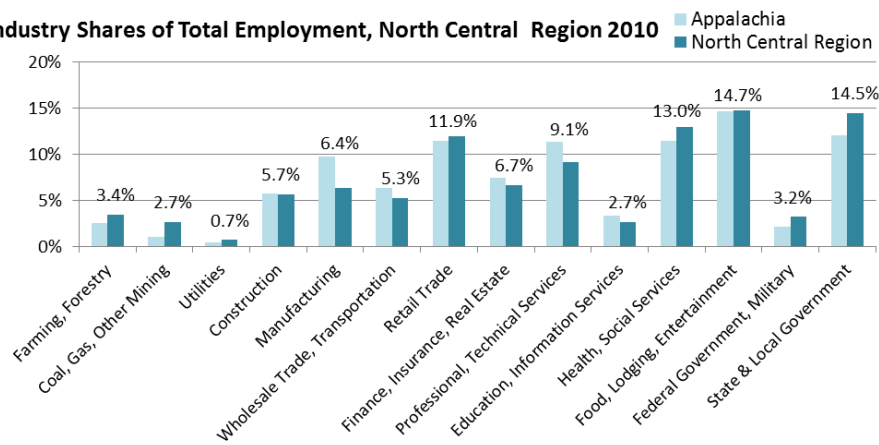
Industry Shares of Total Employment, Northern Region 2010



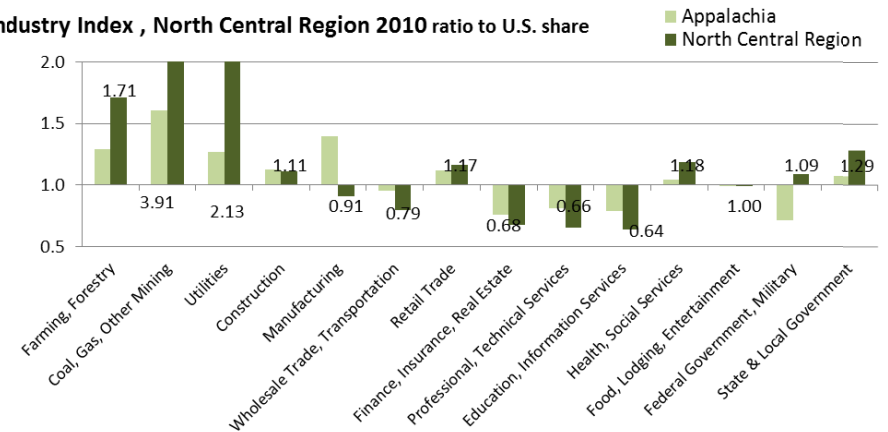
Industry Index, Northern Region 2010 ratio to U.S. share



Industry Shares of Total Employment, North Central Region 2010



Industry Index, North Central Region 2010 ratio to U.S. share

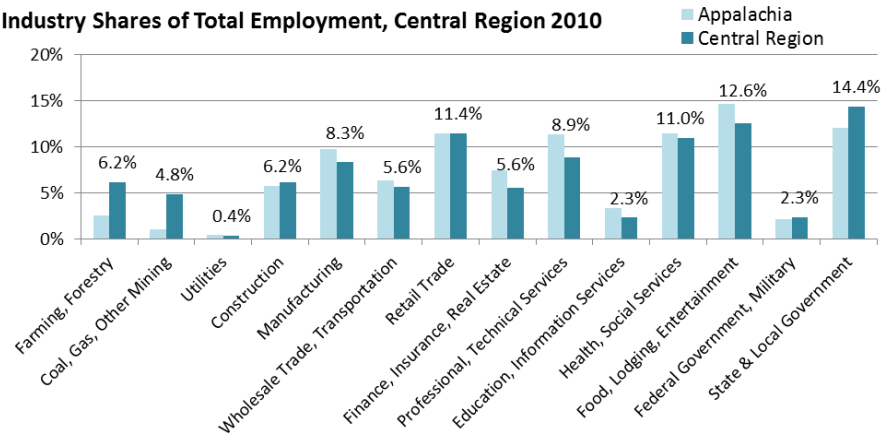




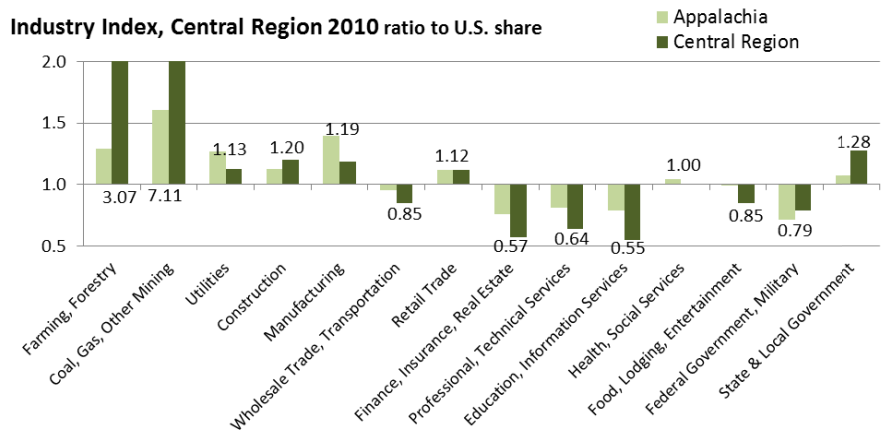
Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

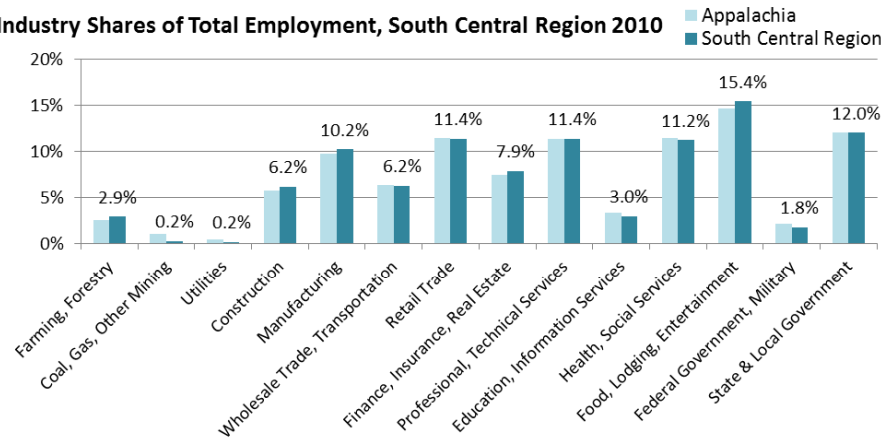
Industry Shares of Total Employment, Central Region 2010



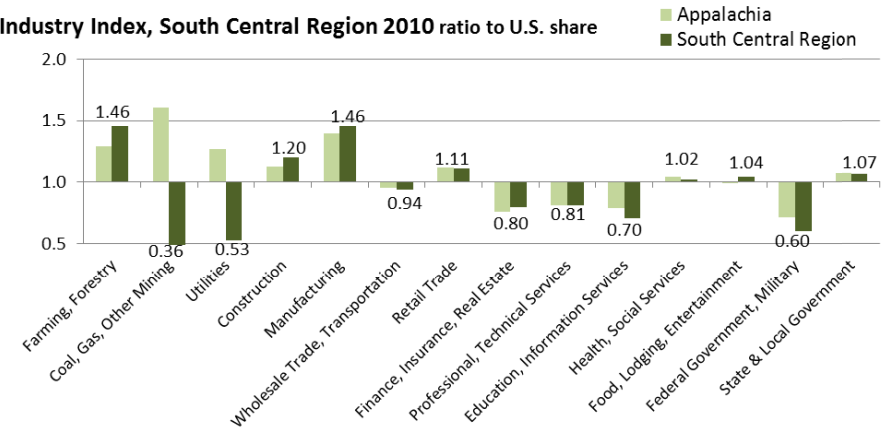
Industry Index, Central Region 2010 ratio to U.S. share



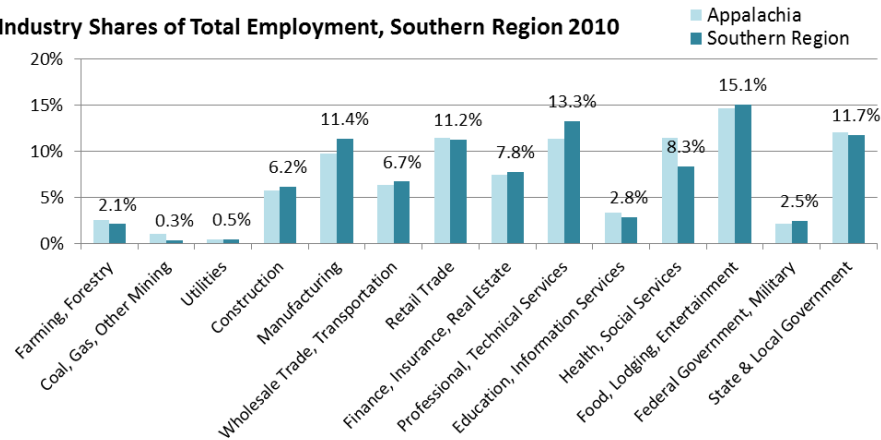
Industry Shares of Total Employment, South Central Region 2010



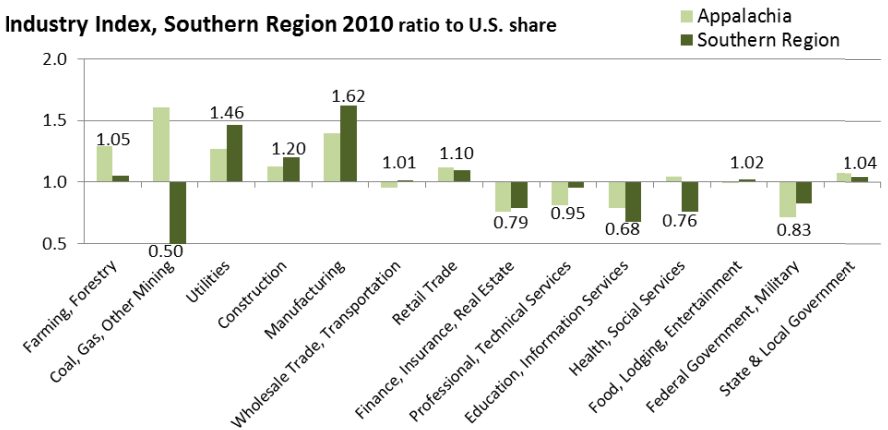
Industry Index, South Central Region 2010 ratio to U.S. share



Industry Shares of Total Employment, Southern Region 2010



Industry Index, Southern Region 2010 ratio to U.S. share





Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000–2010, 2020 forecast

Employment by Industry, 2010 (thousands)	Total Employment	Farming, Forestry	Coal, Gas, Other Mining	Utilities	Construction	Manufacturing	Wholesale Trade, Transportation	Retail Trade	Finance, Insurance, Real Estate	Professional, Technical Services	Education, Information Services	Health, Social Services	Food, Lodging, Entertainment	Federal Government, Military	State & Local Government
United States	173,767	3,493	1,182	580	8,916	12,208	11,554	17,763	17,111	24,249	7,286	19,060	25,686	5,138	19,542
Appalachian Region	12,627	329	138	54	730	1,237	798	1,448	945	1,432	419	1,449	1,854	267	1,528
Northern Appalachia	4,446	89	51	20	231	414	285	516	336	474	190	622	635	75	508
North Central Appalachia	1,128	39	30	8	64	72	60	135	75	103	30	147	166	36	163
Central Appalachia	791	49	38	3	49	66	45	91	44	70	18	87	99	18	114
South Central Appalachia	2,458	72	6	4	152	251	154	280	193	279	73	276	379	44	296
Southern Appalachia	3,802	80	13	19	234	433	256	427	296	505	108	317	574	93	447
Alabama	2,496	65	11	15	148	245	149	273	200	308	67	224	378	91	323
Appalachian Alabama	1,598	39	9	10	93	162	94	173	129	208	42	143	237	59	198
Georgia	5,274	75	9	21	277	364	421	532	481	797	221	477	806	211	582
Appalachian Georgia	1,273	19	2	5	91	144	99	152	102	179	38	100	190	17	135
Kentucky	2,342	100	29	7	119	216	177	245	176	255	69	246	318	101	284
Appalachian Kentucky	494	34	18	2	27	41	29	58	28	41	12	60	62	11	71
Maryland	3,365	22	4	10	204	124	184	335	334	559	150	395	476	218	347
Appalachian Maryland	137	2	1	0	8	10	9	19	13	12	3	20	20	2	16
Mississippi	1,493	59	13	8	89	141	90	162	102	148	39	142	217	59	225
Appalachian Mississippi	292	15	1	2	16	46	19	33	16	26	6	28	35	8	40
New York	10,973	64	13	40	460	489	683	1,037	1,339	1,530	712	1,532	1,556	193	1,325
Appalachian New York	550	17	3	3	26	59	23	64	35	48	31	73	75	6	87
North Carolina	5,202	86	7	13	301	453	319	532	454	704	194	525	750	217	645
Appalachian North Carolina	869	21	2	2	59	83	46	96	71	96	30	111	136	13	103
Ohio	6,451	91	27	21	298	649	452	672	566	868	241	831	902	121	714
Appalachian Ohio	894	30	13	6	51	92	54	110	63	80	22	118	129	13	113
Pennsylvania	7,137	92	41	23	355	589	499	765	646	938	382	995	987	146	679
Appalachian Pennsylvania	3,152	55	37	13	165	276	212	358	249	357	141	444	449	59	338
South Carolina	2,452	39	3	12	130	216	133	270	212	309	70	197	462	89	310
Appalachian South Carolina	638	8	1	2	34	81	44	69	49	92	22	46	112	9	73
Tennessee	3,541	90	8	4	198	314	289	385	298	455	121	376	546	76	381
Appalachian Tennessee	1,460	47	4	2	91	152	99	167	116	174	38	153	222	30	165
Virginia	4,765	67	14	12	276	242	254	475	403	855	186	431	673	344	535
Appalachian Virginia	362	18	7	1	21	40	20	42	21	34	9	33	51	6	60
West Virginia	907	25	40	6	48	52	50	106	53	85	25	120	136	34	127



Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000–2010, 2020 forecast

Percent Change in Employment by Industry, 2000-2010	Total	Farming, Forestry	Coal, Gas, Other Mining	Utilities	Construction	Manufacturing	Wholesale Trade, Transportation	Retail Trade	Finance, Insurance, Real Estate	Professional, Technical Services	Education, Information Services	Health, Social Services	Food, Lodging, Entertainment	Federal Government, Military	State & Local Government
United States	5.1%	-12.0%	56.1%	-6.8%	-6.5%	-31.2%	-1.6%	-3.8%	28.8%	11.6%	6.3%	26.8%	13.1%	3.6%	8.7%
Appalachian Region	1.6%	-16.7%	43.8%	-14.7%	-7.4%	-35.8%	-2.6%	-6.6%	26.1%	20.3%	5.7%	25.2%	12.9%	0.5%	9.8%
Northern Appalachia	-0.7%	-11.4%	65.2%	-27.3%	-4.3%	-34.3%	-0.4%	-9.2%	16.7%	12.8%	0.8%	18.4%	4.2%	-5.4%	5.4%
North Central Appalachia	2.8%	-11.8%	51.6%	-16.3%	-7.2%	-34.6%	-2.1%	-7.5%	17.9%	15.0%	-3.8%	25.0%	11.4%	5.5%	7.0%
Central Appalachia	0.3%	-23.4%	27.0%	-17.2%	-1.2%	-29.4%	-10.0%	-10.1%	26.3%	22.8%	2.6%	22.3%	8.2%	6.4%	5.7%
South Central Appalachia	-0.5%	-22.0%	27.4%	-15.6%	-9.4%	-43.0%	-6.3%	-6.7%	29.3%	19.7%	20.8%	32.9%	14.1%	-1.2%	10.3%
Southern Appalachia	5.7%	-14.8%	21.7%	6.4%	-10.3%	-33.5%	-1.2%	-2.0%	38.9%	29.5%	9.5%	34.4%	24.9%	3.6%	17.4%
Alabama	4.0%	-13.0%	20.2%	-0.2%	-7.0%	-30.7%	-7.8%	-4.2%	31.0%	25.6%	3.1%	24.4%	20.3%	0.2%	9.5%
Appalachian Alabama	3.3%	-13.7%	19.0%	2.8%	-9.0%	-33.5%	-6.1%	-4.4%	29.4%	24.8%	1.6%	25.0%	19.4%	5.0%	11.0%
Georgia	8.6%	-16.7%	-2.4%	2.6%	-9.4%	-32.2%	0.2%	-2.6%	40.7%	19.1%	-2.1%	36.0%	25.5%	10.7%	15.4%
Appalachian Georgia	14.6%	-17.5%	16.7%	37.9%	-7.0%	-26.0%	5.6%	7.3%	51.2%	37.3%	17.7%	50.6%	33.5%	7.4%	35.2%
Kentucky	1.2%	-20.5%	34.3%	-19.4%	-12.0%	-31.3%	-1.8%	-9.6%	28.2%	17.5%	4.9%	21.9%	10.4%	14.7%	10.0%
Appalachian Kentucky	-0.3%	-23.0%	26.2%	-20.7%	-8.5%	-30.7%	-8.6%	-10.5%	23.7%	26.8%	-0.4%	24.0%	9.3%	9.2%	5.3%
Maryland	9.8%	-14.1%	50.6%	-11.4%	0.6%	-30.7%	-2.6%	-3.9%	31.3%	19.8%	14.5%	24.3%	13.9%	6.2%	11.7%
Appalachian Maryland	5.0%	-10.1%	0.2%	-36.4%	1.5%	-31.2%	-5.9%	6.9%	12.1%	24.7%	16.9%	16.9%	11.0%	-0.9%	12.6%
Mississippi	0.8%	-17.4%	59.5%	-0.2%	1.5%	-37.2%	-1.0%	-6.3%	28.3%	30.7%	9.1%	33.4%	3.6%	-6.0%	6.4%
Appalachian Mississippi	-6.4%	-17.1%	85.7%	7.9%	-9.9%	-43.8%	2.8%	-7.5%	25.2%	32.2%	17.2%	28.9%	9.2%	-5.8%	7.2%
New York	6.1%	-13.1%	51.6%	-5.6%	3.7%	-36.1%	-6.7%	2.2%	21.4%	8.1%	4.4%	23.1%	16.3%	-4.9%	3.5%
Appalachian New York	-2.7%	-15.3%	49.9%	-13.3%	4.1%	-29.3%	-11.4%	-6.9%	21.7%	-6.1%	-1.0%	13.6%	4.8%	-14.0%	4.9%
North Carolina	6.4%	-20.3%	18.9%	-17.9%	-11.9%	-41.9%	-3.8%	-2.9%	40.4%	26.4%	27.3%	40.9%	22.7%	19.0%	15.8%
Appalachian North Carolina	-1.1%	-20.1%	34.3%	-20.1%	-13.1%	-49.6%	-10.2%	-6.6%	30.6%	22.7%	24.3%	32.1%	17.2%	5.6%	11.2%
Ohio	-4.9%	-18.6%	35.4%	-17.8%	-17.5%	-38.0%	-6.6%	-15.8%	11.7%	5.0%	7.6%	24.5%	1.5%	-2.3%	2.1%
Appalachian Ohio	-6.3%	-17.4%	37.7%	-7.8%	-13.6%	-41.3%	0.5%	-14.2%	18.4%	8.5%	-0.3%	18.1%	0.6%	-3.2%	-0.4%
Pennsylvania	3.3%	-9.1%	59.4%	-35.8%	-3.2%	-33.0%	3.2%	-6.4%	18.5%	17.7%	5.6%	22.7%	9.3%	-6.2%	7.9%
Appalachian Pennsylvania	1.4%	-8.5%	68.5%	-32.4%	-3.9%	-33.0%	1.9%	-8.7%	17.4%	17.3%	1.8%	21.5%	5.3%	-4.3%	7.2%
South Carolina	7.8%	-9.0%	31.0%	-0.9%	-15.1%	-36.1%	1.3%	-1.3%	48.5%	26.3%	18.2%	37.9%	32.6%	-0.5%	5.4%
Appalachian South Carolina	1.8%	-8.3%	-7.2%	-25.3%	-20.9%	-38.3%	-6.0%	-11.1%	47.9%	25.8%	10.9%	38.5%	28.9%	-2.7%	13.6%
Tennessee	2.0%	-23.3%	25.7%	-1.1%	-6.7%	-37.0%	-6.4%	-4.7%	22.6%	12.4%	13.3%	37.0%	16.0%	-3.0%	11.5%
Appalachian Tennessee	1.0%	-24.7%	21.2%	-11.9%	-4.6%	-36.8%	-5.7%	-5.4%	28.2%	16.5%	18.9%	35.4%	13.6%	-3.1%	10.7%
Virginia	8.9%	-10.7%	27.6%	-1.4%	-1.5%	-33.5%	-2.8%	-1.5%	36.3%	23.3%	-1.6%	32.9%	15.9%	2.9%	13.1%
Appalachian Virginia	-3.8%	-19.0%	6.1%	-10.3%	-0.7%	-41.7%	-5.5%	-11.7%	37.9%	30.0%	11.9%	17.2%	4.4%	-6.6%	7.1%
West Virginia	3.1%	-8.1%	58.7%	-19.6%	-3.9%	-32.6%	-6.4%	-7.7%	10.2%	12.5%	-8.4%	18.5%	11.8%	6.2%	6.9%



Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

Industry Share, 2010	Farming, Forestry	Coal, Gas, Other Mining	Utilities	Construction	Manufacturing	Wholesale Trade, Transportation	Retail Trade	Finance, Insurance, Real Estate	Professional, Technical Services	Education, Information Services	Health, Social Services	Food, Lodging, Entertainment	Federal Government, Military	State & Local Government
United States	2.0%	0.7%	0.3%	5.1%	7.0%	6.6%	10.2%	9.8%	14.0%	4.2%	11.0%	14.8%	3.0%	11.2%
Appalachian Region	2.6%	1.1%	0.4%	5.8%	9.8%	6.3%	11.5%	7.5%	11.3%	3.3%	11.5%	14.7%	2.1%	12.1%
Northern Appalachia	2.0%	1.1%	0.4%	5.2%	9.3%	6.4%	11.6%	7.6%	10.7%	4.3%	14.0%	14.3%	1.7%	11.4%
North Central Appalachia	3.4%	2.7%	0.7%	5.7%	6.4%	5.3%	11.9%	6.7%	9.1%	2.7%	13.0%	14.7%	3.2%	14.5%
Central Appalachia	6.2%	4.8%	0.4%	6.2%	8.3%	5.6%	11.4%	5.6%	8.9%	2.3%	11.0%	12.6%	2.3%	14.4%
South Central Appalachia	2.9%	0.2%	0.2%	6.2%	10.2%	6.2%	11.4%	7.9%	11.4%	3.0%	11.2%	15.4%	1.8%	12.0%
Southern Appalachia	2.1%	0.3%	0.5%	6.2%	11.4%	6.7%	11.2%	7.8%	13.3%	2.8%	8.3%	15.1%	2.5%	11.7%
Alabama	2.6%	0.5%	0.6%	5.9%	9.8%	6.0%	10.9%	8.0%	12.3%	2.7%	9.0%	15.1%	3.7%	12.9%
Appalachian Alabama	2.4%	0.5%	0.6%	5.8%	10.2%	5.9%	10.8%	8.1%	13.0%	2.7%	9.0%	14.8%	3.7%	12.4%
Georgia	1.4%	0.2%	0.4%	5.3%	6.9%	8.0%	10.1%	9.1%	15.1%	4.2%	9.0%	15.3%	4.0%	11.0%
Appalachian Georgia	1.5%	0.2%	0.4%	7.1%	11.3%	7.8%	11.9%	8.0%	14.1%	3.0%	7.9%	14.9%	1.3%	10.6%
Kentucky	4.3%	1.2%	0.3%	5.1%	9.2%	7.6%	10.5%	7.5%	10.9%	2.9%	10.5%	13.6%	4.3%	12.1%
Appalachian Kentucky	6.8%	3.7%	0.4%	5.5%	8.3%	5.8%	11.8%	5.7%	8.4%	2.5%	12.1%	12.5%	2.2%	14.3%
Maryland	0.7%	0.1%	0.3%	6.1%	3.7%	5.5%	10.0%	9.9%	16.6%	4.5%	11.7%	14.2%	6.5%	10.3%
Appalachian Maryland	1.8%	0.5%	0.3%	5.8%	7.6%	6.8%	14.0%	9.4%	8.7%	2.5%	14.4%	14.6%	1.6%	12.0%
Mississippi	4.0%	0.8%	0.5%	6.0%	9.4%	6.0%	10.9%	6.8%	9.9%	2.6%	9.5%	14.5%	3.9%	15.1%
Appalachian Mississippi	5.2%	0.5%	0.5%	5.5%	15.6%	6.4%	11.4%	5.6%	8.9%	1.9%	9.7%	12.0%	2.9%	13.7%
New York	0.6%	0.1%	0.4%	4.2%	4.5%	6.2%	9.4%	12.2%	13.9%	6.5%	14.0%	14.2%	1.8%	12.1%
Appalachian New York	3.0%	0.6%	0.5%	4.7%	10.7%	4.2%	11.6%	6.4%	8.8%	5.6%	13.3%	13.7%	1.1%	15.9%
North Carolina	1.7%	0.1%	0.3%	5.8%	8.7%	6.1%	10.2%	8.7%	13.5%	3.7%	10.1%	14.4%	4.2%	12.4%
Appalachian North Carolina	2.5%	0.2%	0.2%	6.8%	9.5%	5.3%	11.0%	8.1%	11.1%	3.5%	12.8%	15.7%	1.5%	11.9%
Ohio	1.4%	0.4%	0.3%	4.6%	10.1%	7.0%	10.4%	8.8%	13.5%	3.7%	12.9%	14.0%	1.9%	11.1%
Appalachian Ohio	3.3%	1.4%	0.7%	5.7%	10.3%	6.1%	12.3%	7.1%	8.9%	2.4%	13.2%	14.4%	1.5%	12.6%
Pennsylvania	1.3%	0.6%	0.3%	5.0%	8.3%	7.0%	10.7%	9.0%	13.1%	5.4%	13.9%	13.8%	2.1%	9.5%
Appalachian Pennsylvania	1.7%	1.2%	0.4%	5.2%	8.7%	6.7%	11.3%	7.9%	11.3%	4.5%	14.1%	14.2%	1.9%	10.7%
South Carolina	1.6%	0.1%	0.5%	5.3%	8.8%	5.4%	11.0%	8.7%	12.6%	2.9%	8.0%	18.9%	3.6%	12.6%
Appalachian South Carolina	1.2%	0.1%	0.3%	5.3%	12.6%	6.8%	10.8%	7.6%	14.4%	3.5%	7.2%	17.5%	1.4%	11.4%
Tennessee	2.5%	0.2%	0.1%	5.6%	8.9%	8.2%	10.9%	8.4%	12.8%	3.4%	10.6%	15.4%	2.2%	10.8%
Appalachian Tennessee	3.2%	0.3%	0.1%	6.2%	10.4%	6.8%	11.4%	8.0%	11.9%	2.6%	10.5%	15.2%	2.1%	11.3%
Virginia	1.4%	0.3%	0.2%	5.8%	5.1%	5.3%	10.0%	8.5%	17.9%	3.9%	9.0%	14.1%	7.2%	11.2%
Appalachian Virginia	4.9%	2.1%	0.3%	5.7%	11.1%	5.4%	11.6%	5.7%	9.5%	2.6%	9.0%	14.1%	1.6%	16.5%
West Virginia	2.8%	4.4%	0.6%	5.3%	5.7%	5.5%	11.7%	5.9%	9.4%	2.7%	13.2%	15.0%	3.8%	14.0%



Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

Employment Index, 2010 (ratio to U.S. share)		Farming, Forestry	Coal, Gas, Other Mining	Utilities	Construction	Manufacturing	Wholesale Trade, Transportation	Retail Trade	Finance, Insurance, Real Estate	Professional, Technical Services	Education, Information Services	Health, Social Services	Food, Lodging, Entertainment	Federal Government, Military	State & Local Government
United States		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Appalachian Region		1.30	1.61	1.27	1.13	1.39	0.95	1.12	0.76	0.81	0.79	1.05	0.99	0.72	1.08
Northern Appalachia		1.00	1.69	1.33	1.01	1.33	0.96	1.13	0.77	0.76	1.02	1.28	0.97	0.57	1.02
North Central Appalachia		1.71	3.91	2.13	1.11	0.91	0.79	1.17	0.68	0.66	0.64	1.18	1.00	1.09	1.29
Central Appalachia		3.07	7.11	1.13	1.20	1.19	0.85	1.12	0.57	0.64	0.55	1.00	0.85	0.79	1.28
South Central Appalachia		1.46	0.36	0.53	1.20	1.46	0.94	1.11	0.80	0.81	0.70	1.02	1.04	0.60	1.07
Southern Appalachia		1.05	0.50	1.46	1.20	1.62	1.01	1.10	0.79	0.95	0.68	0.76	1.02	0.83	1.04
Alabama		1.29	0.66	1.74	1.15	1.40	0.90	1.07	0.81	0.88	0.64	0.82	1.02	1.24	1.15
Appalachian Alabama		1.20	0.80	1.92	1.14	1.45	0.89	1.06	0.82	0.93	0.63	0.82	1.00	1.25	1.10
Georgia		0.71	0.26	1.19	1.03	0.98	1.20	0.99	0.93	1.08	1.00	0.82	1.03	1.35	0.98
Appalachian Georgia		0.73	0.25	1.15	1.39	1.62	1.17	1.16	0.82	1.01	0.71	0.72	1.01	0.45	0.95
Kentucky		2.13	1.81	0.86	0.99	1.31	1.14	1.02	0.76	0.78	0.70	0.96	0.92	1.45	1.08
Appalachian Kentucky		3.40	5.47	1.26	1.08	1.18	0.87	1.15	0.58	0.60	0.59	1.10	0.85	0.75	1.28
Maryland		0.33	0.18	0.91	1.18	0.52	0.82	0.98	1.01	1.19	1.06	1.07	0.96	2.20	0.92
Appalachian Maryland		0.89	0.69	0.95	1.13	1.08	1.02	1.37	0.95	0.62	0.60	1.31	0.99	0.54	1.07
Mississippi		1.97	1.24	1.63	1.16	1.34	0.91	1.06	0.69	0.71	0.63	0.87	0.98	1.33	1.34
Appalachian Mississippi		2.60	0.70	1.63	1.07	2.22	0.96	1.12	0.57	0.64	0.46	0.88	0.81	0.98	1.22
New York		0.29	0.18	1.09	0.82	0.63	0.94	0.92	1.24	1.00	1.55	1.27	0.96	0.60	1.07
Appalachian New York		1.50	0.82	1.37	0.91	1.52	0.64	1.14	0.65	0.63	1.34	1.21	0.93	0.36	1.41
North Carolina		0.83	0.20	0.75	1.13	1.24	0.92	1.00	0.89	0.97	0.89	0.92	0.98	1.41	1.10
Appalachian North Carolina		1.23	0.32	0.74	1.32	1.35	0.80	1.08	0.83	0.79	0.83	1.16	1.06	0.49	1.06
Ohio		0.70	0.63	0.96	0.90	1.43	1.05	1.02	0.89	0.96	0.89	1.17	0.95	0.63	0.98
Appalachian Ohio		1.65	2.07	2.02	1.12	1.46	0.92	1.21	0.72	0.64	0.58	1.20	0.97	0.51	1.12
Pennsylvania		0.64	0.85	0.95	0.97	1.18	1.05	1.05	0.92	0.94	1.28	1.27	0.94	0.69	0.85
Appalachian Pennsylvania		0.86	1.73	1.27	1.02	1.24	1.01	1.11	0.80	0.81	1.07	1.28	0.96	0.63	0.95
South Carolina		0.80	0.20	1.51	1.04	1.25	0.81	1.08	0.88	0.90	0.68	0.73	1.28	1.23	1.12
Appalachian South Carolina		0.58	0.14	0.86	1.04	1.80	1.03	1.06	0.77	1.03	0.83	0.65	1.18	0.46	1.01
Tennessee		1.26	0.32	0.32	1.09	1.26	1.23	1.06	0.85	0.92	0.82	0.97	1.04	0.73	0.96
Appalachian Tennessee		1.61	0.45	0.34	1.21	1.48	1.02	1.12	0.81	0.85	0.62	0.96	1.03	0.69	1.00
Virginia		0.69	0.45	0.72	1.13	0.72	0.80	0.98	0.86	1.29	0.93	0.82	0.96	2.44	1.00
Appalachian Virginia		2.43	3.03	0.88	1.12	1.58	0.81	1.14	0.58	0.68	0.61	0.82	0.95	0.53	1.46
West Virginia		1.38	6.44	1.91	1.03	0.82	0.82	1.14	0.59	0.67	0.64	1.21	1.01	1.28	1.25

Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000–2010, 2020 forecast

Forecast 2010-2020

The data for this report is obtained from Woods and Poole Economics, which provides historical data as well as a forecast for employment by industry out to the year 2020. Although any forecast should be used with caution, it is helpful to see how the economic structure of the region is predicted to change, and how that compares to the changes that are expected nationally.

Although the most recent recession officially ended in June 2009, the Appalachian Region has struggled to recover from the impacts. Despite still lingering effects, the 2010–2020 forecast begins to show signs of recovery from the recession. Total employment is expected to increase nationally by over 23 million jobs, while total employment in the Region is expected to increase by over 1.5 million jobs.

Employment Change by Industry, Forecast 2010-2020

The industries with the largest predicted numeric change in employment in Appalachia are Professional and Technical Services (368,000), Food, Lodging, and Entertainment and Health and Social Services (both with expected increases of 301,000), Retail Trade (180,000) and Wholesale Trade and Transportation (106,000). These trends mirror what is expected to happen nationally. Manufacturing is the only industry predicted to experience a decline, both in Appalachia and nationwide.

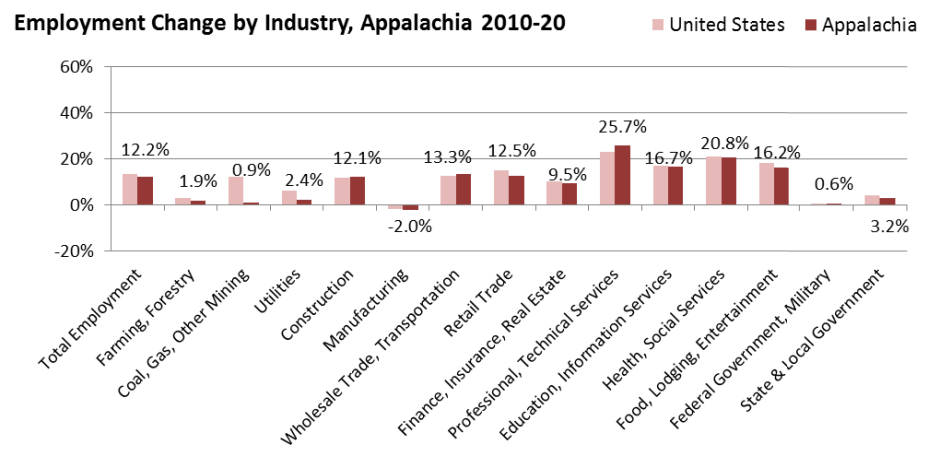
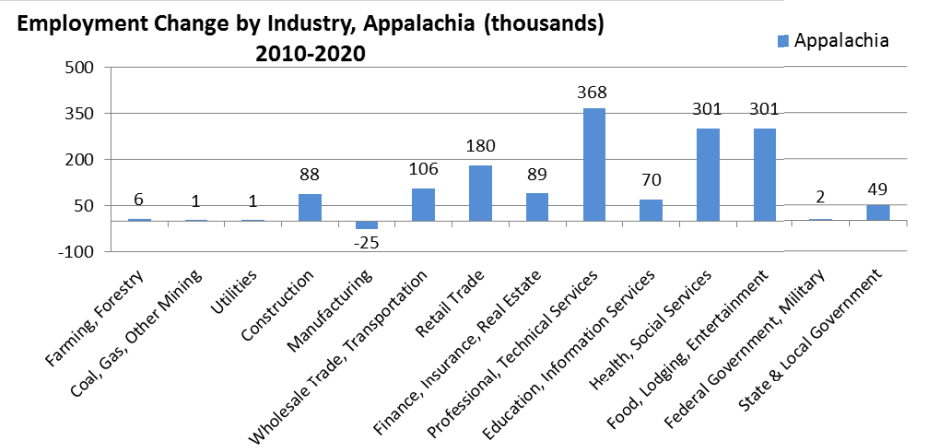
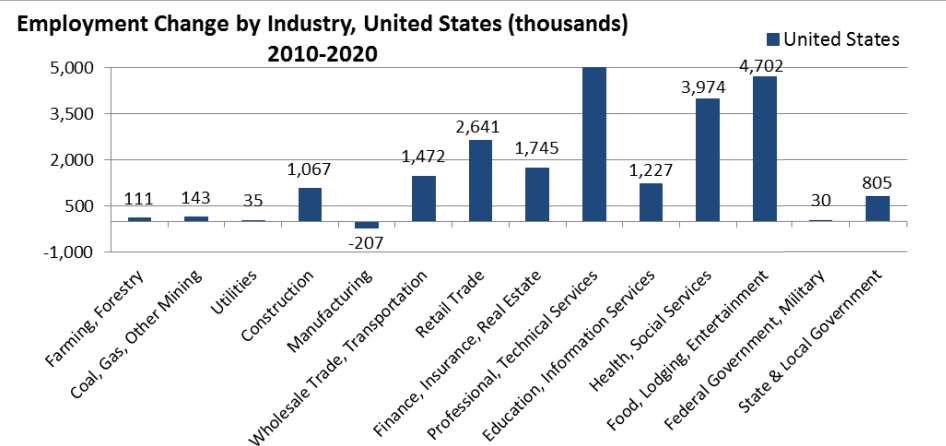
The industries exhibiting the smallest expected job growth in Appalachian employment are Farming and Forestry (6,000), Federal Government (2,000), and Mining and Utilities (both with expected increases of 1,000).

Employment Change by Industry, (percent change), Forecast 2010-2020

Total employment is expected to increase by 12.2% in the Appalachian Region between 2010 and 2020, nearly matching the expected national increase of 13.4%. All subregions of Appalachia are predicted to experience job growth of greater than 9.0%, with Southern Appalachia predicted to experience the greatest growth at 14.9%.

The industries with the greatest expected job growth in Appalachia are Professional and Technical Services (25.7%), Health & Social Services (20.8%), Education and Information Services (16.7%) and Food, Lodging and Entertainment (16.2%). While only the Manufacturing sector is expected to experience a decline (-2.0%), several industries are predicted to experience anemic growth, including Utilities (2.4%), Farming and Forestry (1.9%), Mining (0.9%), and Federal Government (0.6%).

Despite a predicted growth of 12.1% in Mining nationally, the Appalachian Region is only expected to see growth of 0.9%, with two subregions expected to experience further declines, and the other subregions' growth predicted to be far less than the national average.





Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

Forecast Employment by Industry, 2020 (thousands)	Total Employment	Farming, Forestry	Coal, Gas, Other Mining	Utilities	Construction	Manufacturing	Wholesale Trade, Transportation	Retail Trade	Finance, Insurance, Real Estate	Professional, Technical Services	Education, Information Services	Health, Social Services	Food, Lodging, Entertainment	Federal Government, Military	State & Local Government
United States	197,077	3,604	1,324	615	9,983	12,001	13,026	20,404	18,856	29,814	8,513	23,034	30,388	5,168	20,347
Appalachian Region	14,164	335	140	55	818	1,212	904	1,628	1,035	1,800	489	1,749	2,155	269	1,577
Northern Appalachia	4,853	92	53	20	262	384	322	552	366	578	218	712	713	76	507
North Central Appalachia	1,260	40	30	7	78	66	66	154	79	126	34	179	193	37	171
Central Appalachia	886	49	37	3	58	73	48	103	49	89	21	103	116	19	117
South Central Appalachia	2,799	72	7	4	166	244	175	320	214	363	86	343	451	45	309
Southern Appalachia	4,367	82	13	20	255	444	292	499	327	643	130	413	683	93	472
Alabama	2,785	66	12	16	156	246	163	308	214	381	79	277	444	90	334
Appalachian Alabama	1,789	39	9	12	100	161	104	199	139	256	50	178	276	59	206
Georgia	6,109	76	10	23	297	366	484	627	536	1,002	262	619	967	215	624
Appalachian Georgia	1,519	19	2	5	99	151	118	183	115	240	46	137	235	17	151
Kentucky	2,643	100	29	7	129	224	205	279	193	323	82	297	375	101	298
Appalachian Kentucky	554	34	18	2	32	45	31	67	31	52	14	73	72	11	72
Maryland	3,873	22	4	11	225	112	210	387	372	691	180	493	572	221	372
Appalachian Maryland	154	2	1	0	9	9	10	22	14	15	3	24	23	2	18
Mississippi	1,698	57	14	9	100	139	102	191	112	187	50	181	252	59	243
Appalachian Mississippi	335	15	1	2	19	49	20	40	18	33	7	37	42	9	42
New York	11,824	66	14	39	482	420	708	1,117	1,375	1,763	796	1,734	1,825	186	1,300
Appalachian New York	563	17	3	3	29	48	24	66	36	55	29	80	84	6	85
North Carolina	6,043	83	8	14	338	429	359	630	525	931	239	654	921	226	686
Appalachian North Carolina	991	21	2	2	65	76	51	110	79	122	38	141	163	14	107
Ohio	7,121	89	29	20	338	636	503	750	602	1,050	268	973	1,021	120	724
Appalachian Ohio	978	30	13	6	60	91	62	121	68	102	24	127	147	13	113
Pennsylvania	7,937	97	43	23	394	546	557	836	701	1,146	449	1,171	1,142	145	685
Appalachian Pennsylvania	3,488	57	39	14	186	259	242	384	277	437	169	519	505	59	340
South Carolina	2,812	37	4	13	145	222	149	303	238	392	83	253	560	89	325
Appalachian South Carolina	725	7	1	2	37	83	49	77	55	114	27	61	130	9	74
Tennessee	4,087	90	8	4	222	317	328	449	332	595	143	475	649	76	399
Appalachian Tennessee	1,661	48	5	2	99	155	114	190	126	228	43	188	262	29	171
Virginia	5,568	66	15	12	302	233	288	563	466	1,067	218	554	828	352	603
Appalachian Virginia	409	18	8	1	24	38	23	49	24	45	11	37	61	6	65
West Virginia	999	26	38	5	59	45	53	121	52	101	27	147	154	36	134



Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

Forecast Numerical Change in Employment by Industry, 2010-2020 (thousands)	Total Employment	Farming, Forestry	Coal, Gas, Other Mining	Utilities	Construction	Manufacturing	Wholesale Trade, Transportation	Retail Trade	Finance, Insurance, Real Estate	Professional, Technical Services	Education, Information Services	Health, Social Services	Food, Lodging, Entertainment	Federal Government, Military	State & Local Government
United States	23,310	111	143	35	1,067	-207	1,472	2,641	1,745	5,565	1,227	3,974	4,702	30	805
Appalachian Region	1,538	6	1	1	88	-25	106	180	89	368	70	301	301	2	49
Northern Appalachia	407	3	1	0	31	-30	37	36	30	104	28	90	77	0	-2
North Central Appalachia	131	1	0	-1	13	-6	7	19	4	23	4	32	27	0	8
Central Appalachia	95	1	-1	0	10	7	4	13	4	19	2	17	17	0	3
South Central Appalachia	340	0	0	0	14	-7	22	41	21	83	14	67	71	1	14
Southern Appalachia	565	2	1	2	21	11	36	72	31	138	22	95	109	0	26
Alabama	290	2	1	2	9	0	14	36	15	73	12	52	66	-1	11
Appalachian Alabama	190	1	0	1	7	-1	10	26	10	48	8	35	38	0	7
Georgia	835	1	0	2	20	2	64	95	56	205	41	143	161	4	43
Appalachian Georgia	246	1	0	0	9	7	19	31	13	61	8	37	46	0	15
Kentucky	301	0	0	1	10	8	28	34	17	68	13	51	57	1	14
Appalachian Kentucky	60	0	0	0	5	4	3	9	3	11	2	13	10	0	1
Maryland	508	0	0	1	21	-12	26	51	38	132	29	97	95	3	25
Appalachian Maryland	17	0	0	0	1	-1	1	3	1	3	0	5	3	0	2
Mississippi	205	-2	1	1	11	-1	12	29	10	39	11	40	35	1	18
Appalachian Mississippi	42	0	0	0	2	3	2	7	2	7	1	8	7	0	2
New York	851	2	0	-1	22	-68	26	80	36	233	83	202	268	-7	-25
Appalachian New York	13	0	0	0	3	-11	1	2	1	7	-1	7	8	0	-3
North Carolina	841	-4	1	1	37	-23	40	98	71	227	44	129	171	9	41
Appalachian North Carolina	122	-1	0	0	6	-7	5	14	8	26	8	30	27	1	4
Ohio	670	-1	1	-1	40	-13	51	78	36	182	27	142	119	-1	10
Appalachian Ohio	85	1	0	0	9	0	8	11	5	22	2	9	19	-1	0
Pennsylvania	800	5	2	1	40	-43	58	71	55	209	67	176	155	-1	6
Appalachian Pennsylvania	336	2	2	0	21	-17	30	26	29	81	28	75	57	1	1
South Carolina	360	-2	0	0	14	5	16	33	26	83	14	56	97	0	16
Appalachian South Carolina	86	0	0	0	3	2	5	8	7	23	5	15	18	0	1
Tennessee	545	1	0	0	24	3	39	63	34	140	22	99	103	-1	17
Appalachian Tennessee	201	1	0	0	9	4	15	23	10	55	5	35	40	-1	6
Virginia	803	-1	1	1	26	-9	34	88	63	212	32	124	156	8	68
Appalachian Virginia	47	0	0	0	3	-2	3	7	4	11	1	5	10	0	5
West Virginia	92	1	-1	-1	11	-7	4	15	-1	16	3	27	18	1	7



Appalachian Region Industry Report-2014

Source: Woods & Poole Economics, historical data 2000-2010, 2020 forecast

Forecast Percent Change in Employment by Industry, 2010-2020	Total Employment	Farming, Forestry	Coal, Gas, Other Mining	Utilities	Construction	Manufacturing	Wholesale Trade, Transportation	Retail Trade	Finance, Insurance, Real Estate	Professional, Technical Services	Education, Information Services	Health, Social Services	Food, Lodging, Entertainment	Federal Government, Military	State & Local Government
United States	13.4%	3.2%	12.1%	6.1%	12.0%	-1.7%	12.7%	14.9%	10.2%	22.9%	16.8%	20.8%	18.3%	0.6%	4.1%
Appalachian Region	12.2%	1.9%	0.9%	2.4%	12.1%	-2.0%	13.3%	12.5%	9.5%	25.7%	16.7%	20.8%	16.2%	0.6%	3.2%
Northern Appalachia	9.1%	3.6%	2.9%	0.6%	13.3%	-7.3%	13.0%	7.1%	9.0%	21.9%	14.6%	14.4%	12.2%	0.4%	-0.3%
North Central Appalachia	11.6%	1.9%	-0.3%	-7.5%	20.6%	-8.2%	11.6%	14.0%	4.9%	22.2%	13.6%	22.0%	16.1%	1.1%	4.8%
Central Appalachia	12.0%	1.1%	-3.0%	4.6%	19.9%	10.2%	8.6%	13.8%	9.6%	27.5%	13.0%	19.1%	16.6%	0.7%	3.0%
South Central Appalachia	13.8%	0.1%	7.9%	-2.9%	9.1%	-2.8%	14.2%	14.6%	10.6%	29.9%	18.7%	24.2%	18.8%	1.9%	4.7%
Southern Appalachia	14.9%	1.9%	4.4%	9.5%	8.8%	2.6%	14.2%	16.8%	10.4%	27.3%	20.6%	30.0%	19.0%	-0.1%	5.7%
Alabama	11.6%	2.4%	4.6%	11.6%	5.8%	0.1%	9.7%	13.1%	7.3%	23.7%	18.2%	23.2%	17.4%	-1.2%	3.3%
Appalachian Alabama	11.9%	2.1%	3.3%	14.1%	7.3%	-0.8%	11.0%	14.8%	7.7%	22.9%	18.9%	24.4%	16.2%	-0.5%	3.7%
Georgia	15.8%	0.8%	4.5%	7.7%	7.1%	0.4%	15.2%	17.9%	11.6%	25.7%	18.6%	29.9%	20.0%	1.8%	7.4%
Appalachian Georgia	19.3%	3.4%	6.8%	8.9%	9.4%	4.6%	18.9%	20.7%	12.2%	33.9%	22.1%	36.8%	24.1%	-0.5%	11.1%
Kentucky	12.9%	-0.1%	1.2%	8.2%	8.1%	3.7%	15.5%	13.9%	9.6%	26.8%	18.4%	21.0%	18.0%	0.7%	5.1%
Appalachian Kentucky	12.1%	0.7%	-2.2%	6.9%	17.9%	10.4%	9.1%	14.8%	9.8%	25.4%	12.9%	22.2%	16.3%	0.4%	2.0%
Maryland	15.1%	1.6%	10.3%	9.2%	10.2%	-9.5%	14.1%	15.3%	11.5%	23.7%	19.6%	24.7%	20.0%	1.2%	7.1%
Appalachian Maryland	12.4%	-0.4%	-4.5%	2.1%	10.3%	-11.3%	13.3%	13.5%	9.2%	24.0%	-1.0%	24.0%	15.5%	4.0%	9.6%
Mississippi	13.7%	-2.8%	9.3%	13.8%	12.8%	-1.0%	13.3%	17.8%	10.2%	26.1%	27.1%	27.9%	16.2%	1.0%	8.1%
Appalachian Mississippi	14.5%	0.5%	5.5%	10.3%	14.8%	7.6%	8.9%	21.1%	11.0%	26.5%	23.6%	29.0%	20.0%	1.8%	5.1%
New York	7.8%	2.5%	0.3%	-2.1%	4.7%	-14.0%	3.8%	7.7%	2.7%	15.2%	11.7%	13.2%	17.2%	-3.6%	-1.9%
Appalachian New York	2.4%	1.2%	1.5%	2.0%	12.4%	-18.8%	4.7%	2.8%	1.7%	13.6%	-4.7%	9.3%	11.2%	-4.2%	-3.1%
North Carolina	16.2%	-4.1%	12.5%	5.3%	12.3%	-5.2%	12.4%	18.5%	15.7%	32.2%	22.9%	24.5%	22.8%	4.1%	6.3%
Appalachian North Carolina	14.1%	-2.8%	7.7%	-4.1%	10.9%	-8.0%	10.5%	15.1%	11.7%	27.1%	27.5%	26.6%	19.7%	8.9%	3.5%
Ohio	10.4%	-1.5%	4.3%	-5.7%	13.6%	-2.0%	11.2%	11.7%	6.3%	20.9%	11.3%	17.1%	13.2%	-0.7%	1.4%
Appalachian Ohio	9.5%	2.6%	2.9%	-5.0%	17.4%	-0.4%	14.8%	9.6%	7.2%	27.7%	10.8%	7.9%	14.5%	-4.4%	0.1%
Pennsylvania	11.2%	5.2%	3.7%	2.5%	11.2%	-7.4%	11.6%	9.3%	8.6%	22.3%	17.5%	17.7%	15.7%	-0.7%	0.9%
Appalachian Pennsylvania	10.7%	4.5%	4.1%	2.4%	12.7%	-6.1%	14.2%	7.3%	11.5%	22.6%	20.1%	16.9%	12.7%	1.1%	0.4%
South Carolina	14.7%	-4.6%	11.5%	3.5%	11.0%	2.5%	12.3%	12.2%	12.1%	26.7%	19.4%	28.7%	21.1%	0.1%	5.1%
Appalachian South Carolina	13.5%	-0.1%	9.7%	-14.9%	8.5%	2.8%	12.4%	11.2%	13.4%	24.9%	20.5%	33.4%	16.1%	1.5%	1.5%
Tennessee	15.4%	0.9%	5.5%	4.1%	12.2%	0.9%	13.5%	16.5%	11.5%	30.7%	17.7%	26.2%	18.9%	-0.7%	4.6%
Appalachian Tennessee	13.8%	2.1%	8.5%	1.2%	9.5%	2.5%	14.8%	13.7%	8.7%	31.4%	12.1%	22.7%	17.8%	-1.7%	3.9%
Virginia	16.8%	-1.0%	6.0%	5.5%	9.5%	-3.8%	13.6%	18.4%	15.5%	24.9%	17.2%	28.7%	23.1%	2.5%	12.7%
Appalachian Virginia	13.1%	-0.1%	1.8%	-4.3%	14.2%	-4.5%	16.7%	15.5%	18.0%	31.2%	14.0%	14.3%	20.7%	2.2%	8.9%
West Virginia	10.1%	2.3%	-3.6%	-10.1%	22.7%	-12.7%	7.6%	14.2%	-2.1%	18.3%	12.0%	22.7%	13.0%	3.0%	5.2%