

**Table 3.5 Total Multipliers for Output, Earnings, Employment, and Value Added by State
50 - Professional, scientific, and technical services (Type II)**

STATE	Multiplier					
	Final Demand				Direct Effect	
	Output/1/ (dollars)	Earnings/2/ (dollars)	Employment/3/ (jobs)	Value-added/4/ (dollars)	Earnings/5/ (dollars)	Employment/6/ (jobs)
1. Alabama	1.9292	0.7680	13.0821	1.2002	1.5981	2.0065
2. Alaska	1.6582	0.6820	11.1112	1.0589	1.4429	1.5999
3. Arizona	2.0843	0.8355	14.2693	1.3245	1.7093	2.0211
4. Arkansas	1.8007	0.7204	13.2301	1.1195	1.5201	1.7198
5. California	2.1026	0.8254	11.0791	1.3187	1.7392	2.2180
6. Colorado	2.1738	0.8599	12.5848	1.3684	1.7711	2.2634
7. Connecticut	1.8820	0.7120	9.8387	1.1976	1.6133	2.0266
8. Delaware	1.6742	0.5319	8.0507	1.0700	1.4845	1.8976
9. District of Columbia	1.3476	0.1854	2.1907	0.8868	1.2505	1.4923
10. Florida	2.0973	0.8480	14.8142	1.3315	1.7166	2.1368
11. Georgia	2.1975	0.8521	14.1812	1.3784	1.7832	2.3481
12. Hawaii	1.8699	0.7505	12.4684	1.1894	1.5587	1.7760
13. Idaho	1.8753	0.7380	13.3763	1.1832	1.5989	1.8886
14. Illinois	2.2468	0.8437	11.8356	1.3891	1.8045	2.3307
15. Indiana	1.9858	0.7812	13.0587	1.2219	1.6141	1.9147
16. Iowa	1.7461	0.7034	12.3843	1.0948	1.4756	1.7025
17. Kansas	1.8875	0.6677	11.2567	1.1765	1.6085	1.8770
18. Kentucky	1.8792	0.7105	12.8212	1.1547	1.5507	1.7693
19. Louisiana	1.8691	0.7669	13.3155	1.1678	1.5696	1.8816
20. Maine	1.8278	0.7609	13.0928	1.1615	1.5623	1.8124
21. Maryland	1.9435	0.7068	10.0444	1.2388	1.6617	2.1621
22. Massachusetts	1.9866	0.7293	9.3159	1.2674	1.7009	2.1961
23. Michigan	2.0386	0.7938	12.7511	1.2672	1.7117	2.1361
24. Minnesota	2.0152	0.7841	11.6239	1.2506	1.6696	2.1098
25. Mississippi	1.7663	0.7119	13.2683	1.0984	1.4879	1.7194
26. Missouri	1.9849	0.6812	10.9612	1.2400	1.6973	2.2082
27. Montana	1.7699	0.7469	13.8326	1.1234	1.5020	1.7097
28. Nebraska	1.8030	0.7186	12.2810	1.1393	1.5349	1.7957
29. Nevada	1.8521	0.7507	13.0420	1.1873	1.5483	1.8608
30. New Hampshire	1.8488	0.7140	9.9201	1.1785	1.5838	1.8802
31. New Jersey	2.1023	0.7516	10.4697	1.3206	1.7483	2.2598
32. New Mexico	1.7317	0.6617	10.8834	1.0939	1.5361	1.9179
33. New York	1.8379	0.6351	8.7485	1.1765	1.5930	2.0785
34. North Carolina	2.1203	0.8216	13.2208	1.3286	1.7399	2.2235
35. North Dakota	1.6693	0.6471	11.3350	1.0567	1.4363	1.5768
36. Ohio	2.0747	0.7995	13.2172	1.2743	1.6893	2.1037
37. Oklahoma	1.9229	0.7956	14.6166	1.1986	1.5815	1.8243
38. Oregon	1.9266	0.7474	12.2306	1.2207	1.6173	1.8672
39. Pennsylvania	2.0469	0.7596	10.9383	1.2733	1.7143	2.2274
40. Rhode Island	1.7888	0.6381	10.3182	1.1420	1.5282	1.7804

(Continued)

1. Each entry in column 1 represents the total dollar change in output that occurs in all industries within the state for each additional dollar of output delivered to final demand by the selected industry.

2. Each entry in column 2 represents the total dollar change in earnings of households employed by all industries within the state for each additional dollar of output delivered to final demand by the selected industry.

3. Each entry in column 3 represents the total change in number of jobs that occurs in all industries within the state for each additional million dollars of output delivered to final demand by the selected industry. Because the employment multipliers are based on regional data, the output delivered to final demand should be in regional year dollars.

4. Each entry in column 4 represents the total dollar change in value added that occurs in all industries within the state for each additional dollar of output delivered to final demand by the selected industry.

5. Each entry in column 5 represents the total dollar change in earnings of households employed by all industries within the state for each additional dollar of earnings paid directly to households employed by the selected industry.

6. Each entry in column 6 represents the total change in number of jobs in all industries within the state for each additional job in the selected industry.

NOTE.--Multipliers are based on the 2012 Benchmark Input-Output Table for the Nation and 2021 regional data.

SOURCE.--Regional Input-Output Modeling System (RIMS II), Bureau of Economic Analysis.

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41. South Carolina	2.0492	0.7834	14.4546	1.2797	1.6829	2.0912
42. South Dakota	1.7246	0.7109	12.9717	1.0886	1.4695	1.6391
43. Tennessee	2.1911	0.8351	13.4968	1.3570	1.7491	2.1308
44. Texas	2.3585	0.9131	14.5735	1.4601	1.8656	2.5371
45. Utah	2.1053	0.8068	14.6299	1.3157	1.7310	2.1256
46. Vermont	1.7454	0.7125	11.8675	1.1111	1.4905	1.7298
47. Virginia	1.9587	0.7169	10.6051	1.2427	1.6761	2.3282
48. Washington	1.9152	0.7559	10.2428	1.2088	1.5756	1.9421
49. West Virginia	1.6497	0.6536	11.2735	1.0399	1.4157	1.6413
50. Wisconsin	1.9182	0.7688	12.6225	1.1922	1.5953	1.9025
51. Wyoming	1.6347	0.6831	12.4518	1.0402	1.3988	1.5918

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4. Each entry in column 4 represents the total dollar change in value added that occurs in all industries within the state for each additional dollar of output delivered to final demand by the selected industry.

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6. Each entry in column 6 represents the total change in number of jobs in all industries within the state for each additional job in the selected industry.

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