

Table W-1. The distribution of skills across cities of different sizes

Skill Distribution- Share of Population				
	City Size			
	Small	Medium	Large	Very Large
Education				
Less than HS	0.125	0.119	0.105	0.147
HS Degree	0.653	0.639	0.609	0.583
College Degree	0.221	0.242	0.285	0.270
Cognitive Skills				
GED-M				
Add-Subtract	0.268	0.252	0.221	0.252
Geometry	0.329	0.330	0.327	0.333
Algebra	0.212	0.217	0.231	0.215
Algebra+ Stats	0.162	0.168	0.181	0.167
Calculus	0.027	0.029	0.036	0.030
Advanced Calculus	2.5E-03	3.1E-03	4.1E-03	3.3E-03
GED-R				
Carry out simple instructions	0.056	0.052	0.047	0.053
Commonsense understanding	0.191	0.179	0.153	0.171
Carry out detailed instructions	0.317	0.313	0.306	0.314
Solve practical problems	0.298	0.315	0.342	0.320
Logical or scientific thinking	0.115	0.117	0.125	0.116
Deal w/very abstract concepts	0.023	0.025	0.027	0.027
GED-L				
2,500 words; simple sentences	0.186	0.172	0.143	0.167
5,000 - 6,000 words; compound	0.245	0.233	0.221	0.227
Read manuals; write essays	0.286	0.297	0.300	0.293
Read novels; write business reports	0.184	0.195	0.224	0.207
Read & write literature	0.085	0.086	0.092	0.085
Same as level 5	0.014	0.016	0.019	0.021
APTG				
lowest third except bottom 10%	0.333	0.312	0.277	0.306
middle third	0.436	0.443	0.444	0.436
top 1/3 except top 10%	0.212	0.223	0.253	0.232
top 10% of popn	0.019	0.022	0.025	0.025
APTV				
lowest 10% of popn	0.022	0.020	0.017	0.020
lowest third except bottom 10%	0.423	0.400	0.364	0.391
middle third	0.395	0.411	0.429	0.413
top 1/3 except top 10%	0.152	0.161	0.183	0.171
top 10% of popn	6.8E-03	7.0E-03	7.7E-03	5.6E-03
APTN				
lowest 10% of popn	0.115	0.103	0.086	0.104
lowest third except bottom 10%	0.475	0.466	0.448	0.471
middle third	0.353	0.365	0.384	0.350
top 1/3 except top 10%	0.055	0.063	0.079	0.072
top 10% of popn	2.2E-03	2.6E-03	3.6E-03	3.0E-03
DATA				
Comparing	0.198	0.182	0.156	0.180
Copying	0.082	0.078	0.070	0.075
Computing	0.147	0.145	0.143	0.148
Compiling	0.202	0.211	0.215	0.210
Analyzing	0.222	0.231	0.250	0.230
Coordinating	0.145	0.148	0.159	0.152
Synthesizing	4.0E-03	4.6E-03	6.4E-03	5.1E-03

Table W-1. The distribution of skills across cities of different sizes (continued)

Skill Distribution- Share of Population				
	City Size			
	Small	Medium	Large	Very Large
Cognitive Index				
2 std deviations below mean	0.028	0.025	0.022	0.025
1 std deviation below mean	0.238	0.222	0.191	0.217
1 std deviation above mean	0.377	0.376	0.370	0.372
2 std deviations above mean	0.292	0.306	0.332	0.306
3 std deviations above mean	0.066	0.071	0.085	0.079
People Skills				
depl: Adaptability to dealing with people beyond giving and receiving instructions	0.533	0.552	0.576	0.561
dcp: Adaptability to accepting responsibility for direction, control, and planning	0.282	0.288	0.307	0.283
influ: Adaptability to influencing people in their opinions and judgments	0.113	0.117	0.124	0.118
PEOPLE INDEX				
1 std deviation below mean	0.395	0.374	0.341	0.361
1 std deviation above mean	0.272	0.282	0.295	0.297
2 std deviations above mean	0.217	0.226	0.247	0.226
3 std deviations above mean	0.116	0.118	0.117	0.117
Motor Skills				
THINGS				
Handling	0.413	0.423	0.445	0.436
Feeding	0.129	0.128	0.124	0.132
Tending	0.072	0.067	0.061	0.061
Manipulating	0.082	0.081	0.08	0.075
Driving-Operating	0.102	0.102	0.094	0.098
Operating-Controlling	0.166	0.168	0.167	0.168
Precision Working	0.035	0.031	0.029	0.031
Setting Up	7.10E-04	6.90E-04	6.70E-04	5.40E-04
APTF				
lowest 10% of popn	0.032	0.034	0.037	0.035
lowest third except bottom 10%	0.818	0.811	0.809	0.802
middle third	0.138	0.142	0.141	0.149
top 1/3 except top 10%	0.012	0.012	0.013	0.015
APTK				
lowest 10% of popn	0.029	0.032	0.036	0.033
lowest third except bottom 10%	0.785	0.78	0.779	0.777
middle third	0.184	0.186	0.182	0.189
top 1/3 except top 10%	2.40E-03	2.50E-03	2.30E-03	2.00E-03
APTM				
lowest 10% of popn	0.03	0.034	0.041	0.037
lowest third except bottom 10%	0.745	0.75	0.759	0.762
middle third	0.216	0.206	0.189	0.189
top 1/3 except top 10%	8.90E-03	9.80E-03	0.011	0.012
APTE				
lowest 10% of popn	0.888	0.89	0.901	0.899
lowest third except bottom 10%	0.095	0.093	0.082	0.084
middle third	0.017	0.017	0.017	0.017
top 1/3 except top 10%	1.30E-04	2.20E-04	2.60E-04	2.80E-04

Table W-1. The distribution of skills across cities of different sizes (continued)

Skill Distribution- Share of Population				
	City Size			
	Small	Medium	Large	Very Large
APTS				
lowest 10% of popn	0.158	0.163	0.167	0.171
lowest third except bottom 10%	0.623	0.62	0.614	0.621
middle third	0.174	0.172	0.165	0.158
top 1/3 except top 10%	0.044	0.045	0.054	0.05
top 10% of popn	4.6E-04	4.1E-04	4.7E-04	2.3E-04
APTP				
lowest 10% of popn	0.019	0.022	0.027	0.027
lowest third except bottom 10%	0.735	0.732	0.724	0.731
middle third	0.225	0.225	0.226	0.219
top 1/3 except top 10%	0.02	0.021	0.023	0.023
APTC				
lowest 10% of popn	0.834	0.835	0.833	0.837
lowest third except bottom 10%	0.147	0.145	0.146	0.139
middle third	0.018	0.018	0.019	0.021
top 1/3 except top 10%	1.7E-03	1.8E-03	2.2E-03	2.7E-03
STS				
	0.422	0.419	0.406	0.411
MOTOR INDEX				
3 std deviations below mean	1.1E-03	1.3E-03	2.1E-03	1.7E-03
2 std deviations below mean	0.177	0.185	0.194	0.191
1 std deviation below mean	0.419	0.419	0.422	0.429
1 std deviation above mean	0.268	0.259	0.245	0.239
2 std deviations above mean	0.114	0.114	0.113	0.118
3 std deviations above mean	0.021	0.022	0.023	0.022
Specific Vocational Preparation				
short demonstration	0.016	0.014	0.012	0.014
up to 30 days	0.106	0.097	0.086	0.098
30 days - 3 months	0.169	0.163	0.142	0.161
3 - 6 months	0.127	0.131	0.134	0.137
6 months - 1 year	0.126	0.129	0.132	0.124
1 -2 years	0.196	0.194	0.191	0.187
2 - 4 years	0.224	0.234	0.259	0.235
4 - 10 years	0.037	0.039	0.044	0.043
Physical Strength				
STRENGTH				
sedentary	0.412	0.441	0.489	0.478
light	0.427	0.416	0.385	0.394
medium	0.158	0.139	0.123	0.124
heavy	3.10E-03	2.90E-03	2.90E-03	2.50E-03
very heavy	5.80E-04	6.10E-04	5.30E-04	8.00E-04
Other Skills				
SJC	0.616	0.627	0.656	0.619
REPCON	0.207	0.193	0.163	0.186
PUS	0.049	0.047	0.044	0.049
CLIMB	0.096	0.095	0.088	0.084
STOOP	0.292	0.271	0.245	0.245
OUT	0.155	0.144	0.133	0.119
SEE	0.988	0.989	0.99	0.99
REACH	0.996	0.996	0.997	0.997
TALK	0.707	0.727	0.756	0.735
HAZARD	0.305	0.28	0.242	0.249

Notes: Small city size: population between 100,000 and 500,000; Medium: between 500,000 and 1 million; Large: between 1 million and 4 million; Very Large: more than 4 million. See draft Table 1 for definition of variables.

Table W-2. Spatial concentration of industries: location quotients

	Average Location Quotient by Industry			
	City Size			
	Small	Medium	Large	Very Large
Manufacturing	1.09	1	0.91	1.07
Food	1.32	1.12	0.8	0.9
Textiles	1.44	1.5	0.66	0.68
Apparel	0.81	1.07	0.68	1.93
Paper and Pulp	1.39	1.15	0.74	0.92
Printing and Publishing	0.84	0.92	1.04	1.18
Chemicals	1.04	1.16	0.94	0.92
Petroleum	1.24	0.78	0.93	1.04
Rubber	1.28	1.25	0.76	0.91
Leather	1.36	0.88	0.81	1.06
Lumber	1.4	1.26	0.72	0.83
Clay and Glass Products	1.22	1.22	0.86	0.78
Metal	1.27	1.08	0.8	1.02
Machinery	1.17	0.92	1	0.82
Electrical Equipment	1.02	0.78	1.14	0.83
Transportation Equipment	0.97	0.81	0.91	1.41
Instruments	0.97	1.15	0.94	1.01
Mining	1.42	0.99	1.04	0.24
Construction	1.03	1.03	1.03	0.85
Transportation	0.86	0.98	1.06	1.04
Communications	0.82	0.91	1.14	1
Utilities	1.09	1.15	0.94	0.85
Wholesale Trade	0.88	0.95	1.06	1.05
Retail Trade	1.05	1	0.99	0.93
Finance, Insurance, and Real Estate	0.78	0.95	1.08	1.16
Business services	0.79	0.89	1.1	1.15
Professional services	1.01	1	0.98	1.02
Personal Services	0.99	1.06	0.98	0.98
Entertainment Services	0.87	0.96	0.94	1.33
Public admin.	0.99	1.07	1.06	0.77

Table W-3. Spatial concentration of occupations: location quotients

	Average Location Quotient by Occupation			
	City Size			
	Small	Medium	Large	Very Large
Managers	0.89	0.95	1.09	0.98
Engineers	0.89	0.91	1.14	0.91
Physicians	0.81	0.91	1.06	1.21
Dentists	0.91	1	1.03	1.06
Therapists	0.97	1	1	1.04
College Professors	1.25	1.14	0.88	0.8
Teachers	1.08	1.05	0.98	0.9
Sales Person	0.96	1	1.04	0.96
Food Services	1.08	1	0.97	0.96
Mechanics	1.12	1.06	0.95	0.91
Construction workers	1.06	1.05	0.99	0.89
Machine Operators	1.16	1.11	0.79	1.18
Janitors	1.07	1.02	0.94	1.03
Natural Scientists	0.98	0.95	1.16	0.69
Nurses	1.06	1.03	0.97	0.96
Social Workers	1.07	0.98	0.94	1.07
Technicians	0.97	1	1.07	0.87
Administrative Support	0.91	0.99	1.03	1.07
Personal Services	0.97	1.02	1	1.03

Notes: Small city size: population between 100,000 and 500,000; Medium: between 500,000 and 1 million; Large: between 1 million and 4 million; Very Large: more than 4 million. See draft text for more discussion.

Table W-4. Inequality in the Allocation of Skills to Cities

City Size	Skill Distribution- Spread among cities							
	Small		Medium		Large		Very Large	
	10th pct	90th pct	10th pct	90th pct	10th pct	90th pct	10th pct	90th pct
Education								
Less than HS	0.07	0.2	0.09	0.17	0.067	0.154	0.103	0.196
HS Degree	0.57	0.73	0.58	0.69	0.531	0.662	0.543	0.677
College Degree	0.15	0.31	0.19	0.32	0.222	0.395	0.208	0.303
Cognitive Skills								
GED-M								
Add-Subtract	0.21	0.33	0.2	0.31	0.185	0.256	0.225	0.269
Geometry	0.3	0.36	0.31	0.356	0.31	0.347	0.327	0.339
Algebra	0.18	0.24	0.19	0.24	0.213	0.244	0.211	0.216
Algebra+ Stats	0.13	0.2	0.14	0.2	0.16	0.204	0.153	0.185
Calculus	0.01	0.05	0.02	0.04	0.024	0.048	0.026	0.035
Advanced Calculus	0.001	0.007	0.001	0.005	2.00E-03	5.30E-03	3.10E-03	3.80E-03
GED-R								
Carry out simple instructions	0.04	0.08	0.04	0.066	0.038	0.058	0.047	0.058
Commonsense understanding	0.14	0.24	0.14	0.23	0.129	0.179	0.149	0.199
Carry out detailed instructions	0.28	0.36	0.29	0.34	0.282	0.337	0.303	0.327
Solve practical problems	0.25	0.34	0.28	0.35	0.309	0.369	0.307	0.334
Logical or scientific thinking	0.09	0.15	0.1	0.137	0.103	0.14	0.106	0.129
Deal w/very abstract concepts	0.01	0.04	0.02	0.04	0.02	0.034	0.02	0.033
GED-L								
2,500 words; simple sentences	0.13	0.26	0.126	0.23	0.122	0.176	0.145	0.186
5,000 - 6,000 words; compound	0.21	0.29	0.206	0.26	0.196	0.255	0.213	0.233
Read manuals; write essays	0.25	0.31	0.281	0.31	0.287	0.314	0.281	0.304
Read novels; write business reports	0.14	0.23	0.166	0.23	0.192	0.256	0.188	0.216
Read & write literature	0.06	0.12	0.073	0.1	0.074	0.106	0.075	0.093
Same as level 5	0.01	0.02	0.01	0.02	0.014	0.024	0.016	0.026
APTG								
lowest third except bottom 10%	0.27	0.41	0.254	0.37	0.238	0.314	0.279	0.328
middle third	0.4	0.47	0.421	0.47	0.427	0.464	0.429	0.449
top 1/3 except top 10%	0.16	0.27	0.189	0.27	0.212	0.291	0.205	0.245
top 10% of popn	0.01	0.03	0.02	0.03	0.018	0.031	0.02	0.03
APTV								
lowest 10% of popn	0.01	0.04	0.01	0.029	0.012	0.023	0.017	0.025
lowest third except bottom 10%	0.36	0.49	0.34	0.456	0.323	0.4	0.365	0.422
middle third	0.35	0.44	0.38	0.438	0.41	0.448	0.398	0.43
top 1/3 except top 10%	0.11	0.21	0.13	0.197	0.156	0.209	0.146	0.185
top 10% of popn	0.003	0.012	0.004	0.01	4.40E-03	0.01	4.50E-03	6.40E-03
APTN								
lowest 10% of popn	0.08	0.17	0.08	0.142	0.069	0.104	0.085	0.118
lowest third except bottom 10%	0.43	0.52	0.43	0.492	0.419	0.482	0.457	0.484
middle third	0.3	0.4	0.33	0.403	0.356	0.406	0.334	0.377
top 1/3 except top 10%	0.03	0.08	0.05	0.084	0.059	0.101	0.066	0.078
top 10% of popn	0.001	0.005	0.001	0.005	1.70E-03	4.50E-03	2.60E-03	3.40E-03
DATA								
Comparing	0.14	0.27	0.14	0.241	0.131	0.184	0.155	0.203
Copying	0.06	0.11	0.06	0.089	0.059	0.083	0.067	0.084
Computing	0.12	0.17	0.13	0.158	0.133	0.159	0.141	0.156
Compiling	0.18	0.23	0.2	0.223	0.207	0.228	0.206	0.218
Analyzing	0.18	0.27	0.2	0.277	0.217	0.278	0.205	0.252
Coordinating	0.12	0.17	0.13	0.164	0.143	0.175	0.149	0.155
Synthesizing	0.001	0.009	0.002	0.007	3.30E-03	8.40E-03	4.10E-03	5.90E-03

Table W-4. Inequality in the Allocation of Skills to Cities (continued)

City Size	Skill Distribution- Spread among cities							
	Small	Medium	Large	Very Large				
Cognitive Index								
2 std deviations below mean	0.02	0.04	0.02	0.03	0.017	0.029	0.022	0.03
1 std deviation below mean	0.19	0.3	0.18	0.27	0.161	0.218	0.193	0.235
1 std deviation above mean	0.34	0.41	0.36	0.4	0.346	0.395	0.369	0.384
2 std deviations above mean	0.24	0.34	0.27	0.35	0.294	0.358	0.282	0.321
3 std deviations above mean	0.04	0.1	0.05	0.094	0.065	0.104	0.071	0.086
People Skills								
Adaptability to dealing with people beyond giving and receiving instructions								
	0.48	0.59	0.51	0.59	0.547	0.615	0.528	0.598
Adaptability to accepting responsibility for direction, control, and planning								
	0.24	0.32	0.26	0.32	0.28	0.333	0.273	0.305
Adaptability to influencing people in their opinions and judgments								
	0.09	0.13	0.1	0.14	0.114	0.134	0.111	0.126
PEOPLE INDEX								
1 std deviation below mean	0.33	0.47	0.32	0.43	0.311	0.376	0.324	0.394
1 std deviation above mean	0.23	0.31	0.25	0.31	0.276	0.308	0.275	0.324
2 std deviations above mean	0.17	0.25	0.2	0.25	0.221	0.269	0.21	0.232
3 std deviations above mean	0.09	0.14	0.11	0.13	0.107	0.131	0.105	0.127
Motor Skills								
THINGS								
Handling	0.372	0.451	0.395	0.446	0.418	0.468	0.404	0.448
Feeding	0.104	0.154	0.11	0.144	0.112	0.135	0.124	0.143
Tending	0.055	0.094	0.057	0.079	0.052	0.074	0.052	0.07
Manipulating	0.068	0.097	0.07	0.092	0.073	0.086	0.071	0.078
Driving-Operating	0.081	0.13	0.084	0.129	0.084	0.103	0.092	0.104
Operating-Controlling	0.142	0.187	0.153	0.182	0.158	0.177	0.164	0.177
Precision Working	0.022	0.052	0.023	0.039	0.024	0.036	0.025	0.043
Setting Up	4.40E-04	3.10E-03	2.20E-04	1.40E-03	1.80E-04	1.40E-03	2.90E-04	7.10E-04
APTF								
lowest 10% of popn	0.023	0.041	0.027	0.04	0.031	0.042	0.029	0.038
lowest third except bottom 10%	0.795	0.847	0.793	0.825	0.797	0.821	0.793	0.811
middle third	0.112	0.159	0.128	0.159	0.132	0.152	0.139	0.153
top 1/3 except top 10%	0.005	0.017	0.009	0.017	9.90E-03	0.016	0.012	0.017
APTK								
lowest 10% of popn	0.019	0.037	0.025	0.037	0.028	0.042	0.027	0.037
lowest third except bottom 10%	0.764	0.811	0.766	0.798	0.77	0.788	0.77	0.788
middle third	0.157	0.207	0.163	0.203	0.171	0.193	0.181	0.196
top 1/3 except top 10%	9.50E-04	4.60E-03	1.30E-03	3.80E-03	1.50E-03	3.10E-03	1.60E-03	2.80E-03
APTM								
lowest 10% of popn	0.019	0.041	0.025	0.043	0.029	0.05	0.028	0.045
lowest third except bottom 10%	0.708	0.777	0.731	0.77	0.741	0.776	0.753	0.769
middle third	0.18	0.259	0.177	0.23	0.17	0.209	0.18	0.209
top 1/3 except top 10%	3.30E-03	0.014	7.30E-03	0.014	8.20E-03	0.013	9.80E-03	0.014
APTE								
lowest 10% of popn	0.856	0.918	0.867	0.908	0.886	0.914	0.891	0.91
lowest third except bottom 10%	0.071	0.123	0.077	0.115	0.071	0.097	0.073	0.097
middle third	1.00E-02	0.024	0.013	0.022	0.014	0.02	0.012	0.024
top 1/3 except top 10%	2.90E-04	1.90E-03	8.50E-05	1.50E-03	9.80E-05	5.80E-04	5.30E-05	5.60E-04

Table W-4. Inequality in the Allocation of Skills to Cities (continued)

City Size	Skill Distribution- Spread among cities							
	Small		Medium		Large		Very Large	
APTS								
lowest 10% of popn	0.139	0.18	0.142	0.179	0.157	0.178	0.16	0.183
lowest third except bottom 10%	0.592	0.66	0.599	0.64	0.597	0.63	0.61	0.627
middle third	0.15	0.198	0.161	0.182	0.153	0.177	0.148	0.17
top 1/3 except top 10%	0.023	0.064	0.031	0.059	0.04	0.065	0.042	0.057
top 10% of popn	4.80E-04	3.20E-03	1.60E-04	2.20E-03	1.00E-04	1.20E-03	1.60E-04	3.00E-04
APTP								
lowest 10% of popn	0.011	0.028	0.015	0.03	0.021	0.032	0.02	0.031
lowest third except bottom 10%	0.701	0.772	0.702	0.752	0.705	0.745	0.714	0.744
middle third	0.194	0.253	0.206	0.244	0.208	0.237	0.201	0.246
top 1/3 except top 10%	0.01	0.029	0.015	0.026	0.018	0.028	0.018	0.026
APTC								
lowest 10% of popn	0.809	0.858	0.819	0.851	0.82	0.846	0.827	0.849
lowest third except bottom 10%	0.124	0.17	0.13	0.164	0.133	0.157	0.13	0.154
middle third	0.01	0.024	0.014	0.023	0.016	0.022	0.018	0.024
top 1/3 except top 10%	7.80E-04	4.50E-03	8.30E-04	2.70E-03	1.20E-03	2.90E-03	1.50E-03	3.60E-03
STS								
	0.375	0.468	0.388	0.45	0.376	0.426	0.373	0.455
MOTOR INDEX								
3 std deviations below mean	5.40E-04	3.30E-03	4.10E-04	2.00E-03	8.70E-04	2.80E-03	7.60E-04	2.40E-03
2 std deviations below mean	0.146	0.212	0.161	0.206	0.176	0.209	0.167	0.212
1 std deviation below mean	0.386	0.459	0.397	0.443	0.408	0.438	0.41	0.441
1 std deviation above mean	0.236	0.304	0.239	0.278	0.232	0.265	0.221	0.262
2 std deviations above mean	0.088	0.136	0.106	0.131	0.101	0.125	0.106	0.136
3 std deviations above mean	0.011	0.027	0.017	0.026	0.018	0.027	0.021	0.026
Specific Vocational Preparation								
short demonstration	0.01	0.03	0.01	0.021	8.90E-03	0.016	0.012	0.017
up to 30 days	0.08	0.14	0.07	0.116	0.067	0.099	0.082	0.109
30 days - 3 months	0.13	0.21	0.14	0.189	0.127	0.162	0.148	0.17
3 - 6 months	0.11	0.15	0.12	0.146	0.126	0.142	0.129	0.147
6 months - 1 year	0.11	0.15	0.12	0.144	0.12	0.14	0.112	0.132
1 -2 years	0.17	0.22	0.18	0.208	0.183	0.202	0.184	0.19
2 - 4 years	0.18	0.27	0.21	0.275	0.222	0.286	0.224	0.252
4 - 10 years	0.02	0.06	0.03	0.054	0.034	0.056	0.03	0.05
Physical Strength								
STRENGTH								
Other Skills								
SJC	0.561	0.662	0.578	0.677	0.622	0.686	0.605	0.65
REPCON	0.155	0.269	0.145	0.247	0.132	0.195	0.166	0.211
PUS	0.033	0.069	0.038	0.057	0.035	0.055	0.037	0.069
CLIMB	0.078	0.118	0.083	0.106	0.078	0.098	0.079	0.088
STOOP	0.243	0.339	0.237	0.298	0.21	0.273	0.232	0.262
OUT	0.118	0.194	0.12	0.16	0.111	0.153	0.103	0.131
SEE	0.98	0.99	0.99	0.99	0.986	0.993	0.987	0.992
REACH	0.99	1	0.99	1	0.996	0.998	0.997	0.998
TALK	0.64	0.77	0.68	0.78	0.72	0.793	0.703	0.763
HAZARD	0.23	0.38	0.23	0.34	0.196	0.275	0.208	0.284

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 Web Appendix

Table W-5. Urban skill premiums: Basic models with all covariates

	Dependent variable: Log of weekly wages									
	Baseline	Pop*Educ	Cog	+Pop*Cog	Peo	+Pop*Peo	Motor	+Pop*Motor	All Skills	+Pop*DOT
HS degree	0.30148 [0.00454]***	-0.13801 [0.05246]***	-0.19417 [0.04599]***	-0.07979 [0.04336]*	-0.15583 [0.04998]***	-0.05942 [0.04628]	-0.14028 [0.05312]***	-0.13789 [0.05238]***	-0.18783 [0.04695]***	-0.05187 [0.04264]
College degree	0.67679 [0.00598]***	0.20066 [0.07216]***	-0.07638 [0.06504]	0.21021 [0.05721]***	0.1376 [0.06982]**	0.33296 [0.06493]***	0.20734 [0.07382]***	0.25219 [0.06994]***	-0.05812 [0.06674]	0.26702 [0.05612]***
Female	-0.30702 [0.00332]***	-0.30716 [0.00328]***	-0.32768 [0.00284]***	-0.3277 [0.00282]***	-0.32885 [0.00323]***	-0.32873 [0.00322]***	-0.30247 [0.00338]***	-0.30227 [0.00340]***	-0.31343 [0.00285]***	-0.31333 [0.00283]***
Age	0.06284 [0.00065]***	0.06287 [0.00064]***	0.05798 [0.00062]***	0.05798 [0.00062]***	0.06244 [0.00064]***	0.0624 [0.00064]***	0.06282 [0.00065]***	0.06281 [0.00065]***	0.05778 [0.00062]***	0.05774 [0.00062]***
Age-squared	-0.00062 [0.00001]***	-0.00062 [0.00001]***	-0.00057 [0.00001]***	-0.00057 [0.00001]***	-0.00061 [0.00001]***	-0.00061 [0.00001]***	-0.00061 [0.00001]***	-0.00061 [0.00001]***	-0.00056 [0.00001]***	-0.00056 [0.00001]***
Married	0.10636 [0.00218]***	0.10649 [0.00218]***	0.08727 [0.00205]***	0.08738 [0.00204]***	0.10348 [0.00214]***	0.10356 [0.00214]***	0.10562 [0.00218]***	0.10562 [0.00218]***	0.08726 [0.00205]***	0.08736 [0.00205]***
White	0.0889 [0.00415]***	0.08951 [0.00409]***	0.04892 [0.00356]***	0.04881 [0.00356]***	0.08473 [0.00403]***	0.08525 [0.00406]***	0.0875 [0.00415]***	0.08772 [0.00414]***	0.04776 [0.00360]***	0.04819 [0.00357]***
ln(MSA Pop'n)	0.06695 [0.00264]***									
ln(MSA Pop'n)*less than HS		0.03897 [0.00406]***	0.03602 [0.00352]***	-0.08478 [0.01967]***	0.03792 [0.00383]***	0.02966 [0.00414]***	0.03905 [0.00411]***	0.14173 [0.02303]***	0.03649 [0.00358]***	0.02318 [0.02276]
ln(MSA Pop'n)*HS degree		0.07021 [0.00274]***	0.06326 [0.00193]***	-0.06573 [0.01962]***	0.06875 [0.00254]***	0.05359 [0.00290]***	0.07048 [0.00273]***	0.17298 [0.02336]***	0.06366 [0.00194]***	0.0406 [0.02277]*
ln(MSA Pop'n)*College degree		0.07277 [0.00400]***	0.07019 [0.00328]***	-0.07107 [0.02036]***	0.07274 [0.00382]***	0.05055 [0.00423]***	0.07291 [0.00412]***	0.17239 [0.02400]***	0.06999 [0.00340]***	0.03347 [0.02362]
Cognitive skills			1.67424 [0.02086]***	-0.04153 [0.25141]					1.8397 [0.02419]***	0.95857 [0.29240]***
ln(MSA Pop'n) * Cognitive skills				0.12249 [0.01862]***						0.06287 [0.02158]***
People Skills					0.10582 [0.00562]***	-0.30568 [0.07000]***			-0.07387 [0.00551]***	-0.39793 [0.07103]***
ln(MSA Pop'n) *People skills						0.0294 [0.00524]***				0.0232 [0.00526]***
Motor Skills							0.24009 [0.02381]***	1.69678 [0.30636]***	0.05826 [0.02142]***	0.84427 [0.26614]***
ln(MSA Pop'n) *Motor skills								-0.10364 [0.02286]***		-0.05573 [0.01968]***
Constant	-0.08231 [0.04206]*	0.31107 [0.05830]***	-1.1156 [0.05060]***	0.57633 [0.26528]**	0.34516 [0.05520]***	0.46053 [0.05869]***	0.06708 [0.06308]	-1.37656 [0.31108]***	-1.3396 [0.05392]***	-1.15853 [0.30849]***
Observations	726277	726277	726277	726277	726277	726277	726277	726277	726277	726277
R-squared	0.22	0.22	0.25	0.25	0.22	0.22	0.22	0.22	0.25	0.25

Notes: Standard errors in brackets are clustered at the occupation/MSA level. * significant at 10%; ** significant at 5%; *** significant at 1%.

Table W-6. Urban skill premiums: Models with all variables interacted with MSA population

	Dependent variable: Log of weekly wages									
	Baseline	Pop*Educ	Cog	+Pop*Cog	Peo	+Pop*Peo	Motor	+Pop*Motor	All Skills	+Pop*DOT
ln(MSA Pop'n)	0.03569									
	[0.01980]*									
ln(MSA Pop'n)*less than HS		0.03569	0.0264	-0.07757	0.03392	0.03757	0.03576	0.12561	0.02673	0.0167
		[0.01980]*	[0.01866]	[0.03006]**	[0.01967]*	[0.01920]*	[0.01986]*	[0.02709]***	[0.01859]	[0.02866]
ln(MSA Pop'n)*HS degree		0.06559	0.05238	-0.05947	0.06335	0.06186	0.06582	0.15556	0.05268	0.03385
		[0.01353]***	[0.01298]***	[0.02365]**	[0.01364]***	[0.01364]***	[0.01351]***	[0.02310]***	[0.01275]***	[0.02286]
ln(MSA Pop'n)*College degree		0.07068	0.06139	-0.06202	0.06984	0.06268	0.07076	0.15777	0.06108	0.02902
		[0.01500]***	[0.01363]***	[0.02488]**	[0.01492]***	[0.01492]***	[0.01509]***	[0.02441]***	[0.01350]***	[0.02400]
Cognitive skills			1.67312	0.01996					1.83793	0.74857
			[0.02732]***	[0.25148]					[0.02091]***	[0.19200]***
ln(MSA Pop'n) * Cognitive skills				0.11799						0.07766
				[0.01868]***						[0.01395]***
People Skills					0.10594	-0.21883			-0.07358	-0.29768
					[0.00687]***	[0.07043]***			[0.00548]***	[0.05742]***
ln(MSA Pop'n) *People skills						0.02319				0.01607
						[0.00528]***				[0.00427]***
Motor Skills							0.23883	1.49354	0.0575	0.84063
							[0.02352]***	[0.22171]***	[0.01467]***	[0.15159]***
ln(MSA Pop'n) *Motor skills								-0.08926		-0.05552
								[0.01644]***		[0.01078]***

Notes: Standard errors in brackets are clustered at the occupation/MSA level. * significant at 10%; ** significant at 5%; *** significant at 1%. Regressions also include controls for age, age-squared, sex, marital status, race, dummies for high school graduate and college graduate, all interactions with ln(MSA Pop'n), and a constant.