



Are There Really Jobs Americans Won't Do?

A detailed look at immigrant and native employment across occupations

By Steven Camarota and Karen Zeigler

This analysis tests the often-made argument that immigrants do only jobs Americans don't want. If the argument is correct, there should be occupations comprised entirely or almost entirely of immigrants (legal and illegal). But Census Bureau data collected from 2009 to 2011, which allows for detailed analysis of all 472 separate occupations, shows that there were only a handful of majority-immigrant occupations. Thus, there really are no jobs that Americans won't do. Further, we estimated the share of occupations that are comprised of illegal immigrants, and found that there are no occupations in which the majority of workers are illegally in the country.

Among the findings:

- Of the 472 civilian occupations, only six are majority immigrant (legal and illegal). These six occupations account for 1 percent of the total U.S. workforce. Moreover, native-born Americans still comprise 46 percent of workers even in these occupations.
- Many jobs often thought to be overwhelmingly immigrant (legal and illegal) are in fact majority native-born:
 - Maids and housekeepers: 51 percent native-born
 - Taxi drivers and chauffeurs: 58 percent native-born
 - Butchers and meat processors: 63 percent native-born
 - Grounds maintenance workers: 64 percent native-born
 - Construction laborers: 66 percent native-born
 - Porters, bellhops, and concierges: 72 percent native-born
 - Janitors: 73 percent native-born
- There are 67 occupations in which 25 percent or more of workers are immigrants (legal and illegal). In these high-immigrant occupations, there are still 16.5 million natives — accounting for one out of eight natives in the labor force.
- High-immigrant occupations (25 percent or more immigrant) are primarily, but not exclusively, lower-wage jobs that require relatively little formal education.
- In high-immigrant occupations, 59 percent of the natives have no education beyond high school, compared to 31 percent of the rest of the labor force.

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- Natives tend to have high unemployment in high-immigrant occupations, averaging 14 percent during the 2009-2011 period, compared to 8 percent in the rest of the labor market. There were a total of 2.6 million unemployed native-born Americans in high-immigrant occupations.
- Some may think that native-born workers in high-immigrant occupations are mostly older, with few young natives willing to do such work. But 34 percent of natives in these occupations are age 30 or younger, compared to 27 percent of natives in the rest of labor force.
- It is worth remembering that not all high-immigrant occupations are lower skilled. For example, 36 percent of software engineers are immigrants as are 27 percent of physicians.
- A number of politically important groups tend to face very little job competition from immigrants (legal and illegal). For example, just 10 percent of reporters are immigrants, as are only 6 percent of lawyers and judges and 6 percent of farmers and ranchers.

Estimates of Illegal Immigrants

- We find that there are no occupations in the United States in which a majority of workers are illegal immigrants.
- Illegal immigrants work mostly in construction, cleaning, maintenance, food service, garment manufacturing, and agricultural occupations. However, the overwhelming majority of workers even in these areas are native-born or legal immigrants.
- Although illegal immigrants comprise a large share of workers in agriculture, farm workers are only a tiny share of the total labor force. Consistent with other research, just 5 percent of all illegal immigrants work in agriculture.

Discussion

Immigration overall. The table at the end of this report uses the American Community Survey (ACS), 2009 to 2011, to show the share of each occupation that is comprised of immigrants (legal and illegal) and natives.¹ Immigrants (or the foreign-born, as the Census Bureau refers to them) are individuals residing in the United States who were not American citizens at birth. The data presented here make clear that the often-made argument that immigrants only take jobs Americans don't want is mistaken. Looking at the most detailed level of analysis possible there are very few occupations that are majority immigrant — just six out of 472.² Moreover, these occupations are quite small, accounting for a tiny share of workers.

The American economy is dynamic, and it would be a mistake to think that every job taken by an immigrant is a job lost by a native. Many factors impact employment and wages. But it would also be a mistake to assume that dramatically increasing the number of workers in these occupations as a result of immigration policy has no impact on the employment prospects or wages of natives. To talk about the labor market as if there were jobs done entirely or almost entirely by immigrants is not helpful to understanding the potential impact of immigration on American workers. It gives the false impression that the job market is segmented between immigrant and native jobs. This is clearly not the case.

It is important to understand that the possible impact of immigration on the labor market opportunities of natives is not confined to those who are in the labor force. The ACS shows nearly 40 million native-born Americans ages 18 to 65 not in the labor force. It is very possible that one of the ways immigration impacts natives is by reducing the share who are employed or in the labor force at any one time.

This analysis focuses on the nation as a whole. Of course, the immigrant share of occupations will vary significantly at the state and local level. However, we live in a national economy in which workers can and do move to higher-wage and lower-

unemployment areas over time. Of native-born native adults, 14 percent changed addresses in just the last year. Moreover, 38 percent live outside of their state of birth.³ In its magisterial 1997 study of immigration, the National Research Council concluded that the effects of immigration are likely to be national in scope. Capital, labor, goods, and services can all move. This means that the impact of immigration is not confined to only those areas of the country where immigrants settle.⁴

Illegal Immigrants. In addition to reporting the share of each occupation that is foreign-born, the table at the end of this report also reports an estimate for the share of each occupation that is comprised of illegal immigrants. We include in our estimate only those illegal immigrants captured by the American Community Survey. Prior research indicates that perhaps 10 percent of illegal immigrants are missed by the ACS.⁵ Illegal immigrants tend to be concentrated in a relatively modest number of occupations. There are 22 occupations out of 472 in which illegal immigrants comprise 20 percent or more of workers.⁶

There are 5.6 million natives in these high-illegal-immigrant occupations, 70 percent of whom have no education beyond high school. In contrast, in occupations that are made up of 10 percent or fewer illegal immigrants, 70 percent of natives have education beyond high school. This suggests that the impact of illegal immigration on wages and employment opportunities will be felt most by less-educated natives. More-educated natives will tend to avoid competition with illegal immigrants.

Methodology

The data for this analysis come from the public-use file of the combined three-year sample of the American Community Survey (ACS) for 2009 through 2011. The ACS public-use file is enormous, allowing for detailed analysis by occupation. The file includes almost 4.5 million individuals in the civilian, non-institutionalized labor force, about 630,000 of whom are immigrants. Persons in the labor force are either working or looking for work. Like almost all the labor force statistics reported by the government, we confine our analysis to civilians 16 years of age and older not in institutions. The immigrant population, which can also be referred to as the foreign-born, is defined as persons living in the United States who were not U.S. citizens at birth. In the ACS this includes people who responded to the survey that they are naturalized American citizens, legal permanent residents (green card holders), illegal aliens, and people on long-term temporary visas such as students or guest workers. It does not include those born abroad of American parents or those born in outlying territories of the United States, such as Puerto Rico. Prior research indicates that some 90 percent of illegal immigrants respond to the ACS.⁷

By design our estimate of the illegal immigrant population matches the overall figures from the Department of Homeland Security. We purposefully match published DHS estimates for 2009 to 2011 by gender, country, age, state of residence, and year of arrival.⁸ However, estimating the illegal immigrant share by detailed occupations is still open to some significant uncertainty. Therefore, we report a range for the illegal share in each occupation in order not to convey a false sense of specificity.

End Notes

¹ Figures include those employed in the occupation and those who are unemployed and who indicated that their last job was in that occupation.

² Between 2009 and 2010, the Census Bureau reclassified occupations. Because the dataset for this analysis spans the years 2009 through 2011, the occupation variable has to reflect this change. We used the “Crosswalk” provided by the Census Bureau to create occupational categories that are consistent for all years. To eliminate duplicate categories, older occupational codes that only changed code number were simply reported under the new codes. Also recoded were newer codes that could easily be placed into original code groupings. This includes 4 percent of the sample. About 1 percent of the sample did not have a straightforward re-code. These were coded into new categories using a main grouping strategy. For example, the older code for Public Relations (value 2820) was grouped with the new Public Relations category (value 2825) and not new Market Research Analyst (value 0735). The Census Bureau occupational Crosswalk can be found [here](#).

³ Figures are from the 2009-2011 public-use file of the American Community Survey.

⁴ James P. Smith and Barry Edmonston, eds., *The New Americans: Economic, Demographic, and Fiscal Effects of Immigration*, Washington, DC: National Research Council National Press, 1997.

⁵ The Department of Homeland Security estimates a 10 percent undercount of illegal aliens in Census Bureau data. See Table 2 in Michael Hofer, Nancy Rytina, and Bryan Bak, [“Estimates of the Unauthorized Immigrant Population Residing in the United States: January 2011”](#), Office of Immigration Statistics Policy Directorate, Department of Homeland Security, March 2012.

⁶ Although we report ranges for the illegal share of each occupation, we do have point estimates and these figures reflect those point estimates.

⁷ See end note 4.

⁸ To distinguish legal from illegal immigrants in the survey this report uses citizenship status, year of arrival in the United States, age, country of birth, educational attainment, sex, receipt of welfare programs, receipt of Social Security, veteran status, and marital status. We use these variables to assign probabilities to each respondent. Those individuals who have a cumulative probability of 1 or higher are assumed to be illegal aliens. The probabilities are assigned so that both the total number of illegal aliens and the characteristics of the illegal population closely match other research in the field, particularly the estimates developed by the Department of Homeland Security. This method is based on some very well established facts about the characteristics of the illegal population. For example, it is well known that illegal aliens are disproportionately young, male, under age 45, and have few years of schooling, etc. Thus, we assign probabilities to these and other factors in order to select the likely illegal population. In some cases, we assume that there is no probability that an individual is an illegal alien. For example, veterans, those who directly report they receive a welfare program, Cubans, and several other categories are assumed not to be illegal immigrants. We further took into account whether a particular occupation is highly regulated and licensed (e.g. doctors and pharmacists), and/or if it requires background checks and screening (e.g. security and law enforcement.)

The Department of Homeland Security (DHS) estimate for 2009 through 2011 can be found [here](#). The [Pew Hispanic Center](#) has estimated 11.2 million illegal immigrant population as of March 2010 based on the CPS. This includes an adjustment for those missed by the survey. Older studies by the INS and Census Bureau are also available. An [INS report](#) found seven million illegal aliens in 2000 and an annual increase of about 500,000. A [Census Bureau report](#) estimated eight million illegals in 2000. (Appendix A of Report 1 contains the estimates).

Table 1. Immigrant and Native Share of Occupations 2009-2011

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
6040	GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	63%	37%	40%-46%	26%	29,459	50,723	2,245
4520	MISCELLANEOUS PERSONAL APPEARANCE WORKERS	59%	41%	9%-15%	8%	109,975	161,224	7,005
6460	PLASTERERS AND STUCCO MASONS	56%	44%	35%-45%	27%	18,922	23,991	973
8320	SEWING MACHINE OPERATORS	52%	48%	20%-26%	16%	109,943	120,346	6,740
6050	MISCELLANEOUS AGRICULTURAL WORKERS, INCLUDING ANIMAL BREEDERS	52%	48%	37%-43%	16%	438,258	478,956	28,175
8350	TAILORS, DRESSMAKERS, AND SEWERS	52%	48%	25%-31%	8%	42,817	46,479	2,638
4230	MAIDS AND HOUSEKEEPING CLEANERS	49%	51%	22%-28%	15%	853,288	815,024	43,407
6330	DRY WALL INSTALLERS, CEILING TILE INSTALLERS, AND TAPERS	47%	53%	34%-40%	29%	92,838	83,694	4,174
8310	PRESSERS, TEXTILE, GARMENT, AND RELATED MATERIALS	46%	54%	25%-31%	16%	30,939	26,608	1,499
1650	MEDICAL SCIENTISTS, AND LIFE SCIENTISTS, ALL OTHER	46%	54%	<1%	2%	71,216	60,448	3,956
2860	MISCELLANEOUS MEDIA AND COMMUNICATION WORKERS	46%	54%	11%-16%	7%	52,464	44,392	2,734
9640	PACKERS AND PACKAGERS, HAND	42%	58%	21%-27%	21%	304,114	218,952	13,510
9140	TAXI DRIVERS AND CHAUFFEURS	42%	58%	6%-12%	10%	213,489	153,504	9,445
8750	JEWELERS AND PRECIOUS STONE AND METAL WORKERS	40%	60%	11%-17%	7%	23,911	16,208	1,168
6510	ROOFERS	40%	60%	29%-35%	25%	152,288	102,808	5,974
6420	PAINTERS, CONSTRUCTION AND MAINTENANCE	40%	60%	23%-29%	23%	387,610	254,317	16,041
1760	PHYSICAL SCIENTISTS, ALL OTHER	39%	61%	<1%	3%	115,481	75,306	5,994
6240	CARPET, FLOOR, AND TILE INSTALLERS AND FINISHERS	39%	61%	21%-27%	21%	119,543	77,259	4,844
8800	PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	39%	61%	18%-24%	18%	184,106	116,057	7,914
8300	LAUNDRY AND DRY-CLEANING WORKERS	38%	62%	15%-21%	12%	140,013	85,025	5,875
7810	BUTCHERS AND OTHER MEAT, POULTRY, AND FISH PROCESSING WORKERS	37%	63%	17%-23%	12%	178,906	107,046	7,531
4250	GROUNDS MAINTENANCE WORKERS	36%	64%	23%-29%	20%	948,256	543,410	38,239
8330	SHOE AND LEATHER WORKERS AND REPAIRERS	36%	64%	12%-23%	12%	5,965	3,410	281
8460	MISCELLANEOUS TEXTILE, APPAREL, AND FURNISHINGS WORKERS, EXCEPT UPHOLSTERERS	36%	64%	15%-25%	16%	18,744	10,704	787

Source: 2009-2011 public-use files of the American Community Survey. The occupational shares include those employed and those unemployed who indicated the occupation of their most recent job.

^a See text for explanation of illegal immigrant estimates.

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
1020	SOFTWARE DEVELOPERS, APPLICATIONS AND SYSTEMS SOFTWARE	36%	64%	<1%	4%	580,861	329,750	26,082
4000	CHEFS AND HEAD COOKS	36%	64%	5%-11%	11%	236,206	132,129	9,083
8860	CLEANING, WASHING, AND METAL PICKLING EQUIPMENT OPERATORS AND TENDERS	36%	64%	18%-28%	20%	6,386	3,544	275
7800	BAKERS	35%	65%	13%-19%	9%	137,939	73,132	5,564
8950	HELPERS-PRODUCTION WORKERS	35%	65%	15%-21%	24%	39,652	20,969	1,548
6260	CONSTRUCTION LABORERS	34%	66%	19%-25%	25%	1,247,772	646,866	49,002
7720	ELECTRICAL, ELECTRONICS, AND ELECTROMECHANICAL ASSEMBLERS	34%	66%	7%-13%	16%	115,247	59,302	5,039
6600	HELPERS, CONSTRUCTION TRADES	34%	66%	20%-26%	32%	54,368	27,813	2,065
6220	BRICKMASONS, BLOCKMASONS, AND STONEMASONS	34%	66%	18%-24%	28%	125,380	63,516	4,872
1800	ECONOMISTS	33%	67%	≤1%	2%	17,719	8,736	858
4140	DISHWASHERS	33%	67%	18%-24%	24%	230,031	112,140	8,696
8400	TEXTILE BLEACHING AND DYEING, AND CUTTING MACHINE SETTERS, OPERATORS, AND TENDERS	32%	68%	11%-21%	10%	9,039	4,341	382
6250	CEMENT MASONS, CONCRETE FINISHERS, AND TERRAZZO WORKERS	32%	68%	20%-26%	30%	56,607	26,633	2,092
3260	HEALTH DIAGNOSING AND TREATING PRACTITIONERS, ALL OTHER	32%	68%	<1%	2%	14,232	6,674	664
1400	COMPUTER HARDWARE ENGINEERS	32%	68%	≤1%	5%	42,694	19,887	1,760
9350	PARKING LOT ATTENDANTS	32%	68%	5%-12%	16%	61,371	28,425	2,194
6400	INSULATION WORKERS	32%	68%	18%-24%	20%	34,436	15,944	1,266
1700	ASTRONOMERS AND PHYSICISTS	32%	68%	<1%	3%	8,737	4,040	390
7710	AIRCRAFT STRUCTURE, SURFACES, RIGGING, AND SYSTEMS ASSEMBLERS	31%	69%	≤10%	10%	7,992	3,644	324
7850	FOOD COOKING MACHINE OPERATORS AND TENDERS	31%	69%	12%-23%	11%	8,788	3,946	351
4130	MISCELLANEOUS FOOD PREPARATION AND SERVING RELATED WORKERS	31%	69%	14%-20%	16%	272,614	121,075	10,243
6005	FIRST-LINE SUPERVISORS OF FARMING, FISHING, AND FORESTRY WORKERS	31%	69%	11%-17%	8%	42,613	18,896	2,119
7610	HELPERS--INSTALLATION, MAINTENANCE, AND REPAIR WORKERS	31%	69%	14%-24%	20%	18,930	8,337	740
4020	COOKS	30%	70%	15%-21%	16%	1,712,093	750,752	63,932
4400	GAMING SERVICES WORKERS	29%	71%	≤3%	10%	81,111	32,767	3,188
8920	MOLDERS, SHAPERS, AND CASTERS, EXCEPT METAL AND PLASTIC	29%	71%	11%-17%	11%	26,494	10,568	1,028
8450	UPHOLSTERERS	28%	72%	11%-17%	14%	29,330	11,608	1,191

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
4530	BAGGAGE PORTERS, BELLHOPS, AND CONCIERGES	28%	72%	10%-16%	9%	63,403	24,897	2,151
9610	CLEANERS OF VEHICLES AND EQUIPMENT	28%	72%	14%-20%	19%	289,504	111,576	10,174
3060	PHYSICIANS AND SURGEONS	27%	73%	<1%	1%	633,324	237,582	27,178
1720	CHEMISTS AND MATERIALS SCIENTISTS	27%	73%	<1%	4%	65,015	24,251	2,683
8220	MISCELLANEOUS METAL WORKERS AND PLASTIC WORKERS, INCLUDING MILLING AND PLANING MACHINE SETTERS,	27%	73%	6%-12%	15%	310,753	115,728	12,430
6500	REINFORCING IRON AND REBAR WORKERS	27%	73%	18%-26%	27%	7,175	2,656	247
8340	SHOE MACHINE OPERATORS AND TENDERS	27%	73%	≤10%	13%	3,623	1,337	152
4220	JANITORS AND BUILDING CLEANERS	27%	73%	9%-15%	12%	2,006,669	730,620	77,296
1410	ELECTRICAL AND ELECTRONICS ENGINEERS	26%	74%	<1%	4%	173,644	62,331	6,989
1240	MISCELLANEOUS MATHEMATICAL SCIENCE OCCUPATIONS, INCLUDING MATHEMATICIANS AND STATISTICIANS	25%	75%	<1%	4%	34,684	11,813	1,366
6230	CARPENTERS	25%	75%	12%-18%	20%	1,098,212	373,651	39,596
7840	FOOD BATCHMAKERS	25%	75%	9%-15%	10%	71,899	24,099	2,613
4030	FOOD PREPARATION WORKERS	25%	75%	11%-16%	16%	695,819	232,225	24,111
8810	PAINTING WORKERS	25%	75%	11%-16%	16%	123,062	40,617	4,563
5500	CARGO AND FREIGHT AGENTS	25%	75%	≤3%	8%	16,127	5,295	536
8960	OTHER PRODUCTION WORKERS, INCLUDING SEMICONDUCTOR PROCESSORS AND COOLING AND FREEZING EQUIPMENT OPERATORS	25%	75%	8%-14%	14%	1,024,586	332,714	39,431
1010	COMPUTER PROGRAMMERS	24%	76%	≤1%	5%	367,054	118,614	14,349
4610	PERSONAL CARE AIDES	24%	76%	≤5%	11%	846,458	273,245	31,408
6710	FENCE ERECTORS	24%	76%	10%-15%	21%	25,609	8,222	894
8710	CUTTING WORKERS	24%	76%	9%-15%	13%	63,500	20,289	2,371
8510	FURNITURE FINISHERS	24%	76%	6%-16%	14%	12,546	3,999	499
8760	MEDICAL, DENTAL, AND OPHTHALMIC LABORATORY TECHNICIANS	23%	77%	≤5%	5%	68,167	20,911	2,552
7830	FOOD AND TOBACCO ROASTING, BAKING, AND DRYING MACHINE OPERATORS AND TENDERS	23%	77%	7%-17%	16%	9,003	2,671	334
7750	MISCELLANEOUS ASSEMBLERS AND FABRICATORS	23%	77%	5%-11%	18%	806,215	237,932	29,877
1006	COMPUTER SYSTEMS ANALYSTS	23%	77%	<1%	5%	250,040	73,397	9,117
4830	TRAVEL AGENTS	23%	77%	≤3%	7%	59,215	17,280	2,306
310	FOOD SERVICE MANAGERS	22%	78%	≤5%	7%	778,812	223,083	25,650
1060	DATABASE ADMINISTRATORS	22%	78%	≤1%	6%	86,283	24,663	3,369

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share*	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
4200	FIRST-LINE SUPERVISORS OF HOUSEKEEPING AND JANITORIAL WORKERS	22%	78%	≤10%	7%	193,887	55,376	7,076
360	NATURAL SCIENCES MANAGERS	22%	78%	<1%	5%	17,942	5,061	744
8000	GRINDING, LAPPING, POLISHING, AND BUFFING MACHINE TOOL SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	22%	78%	6%-12%	20%	43,232	12,192	1,668
1530	MISCELLANEOUS ENGINEERS, INCLUDING NUCLEAR ENGINEERS	22%	78%	<1%	4%	346,742	97,146	13,817
9720	REFUSE AND RECYCLABLE MATERIAL COLLECTORS	22%	78%	11%-16%	14%	81,870	22,899	2,921
6720	HAZARDOUS MATERIALS REMOVAL WORKERS	22%	78%	6%-12%	17%	31,496	8,790	1,052
7150	AUTOMOTIVE BODY AND RELATED REPAIRERS	22%	78%	6%-12%	9%	134,760	37,508	4,808
2200	POSTSECONDARY TEACHERS	22%	78%	<1%	3%	1,113,434	305,723	44,606
3600	NURSING, PSYCHIATRIC, AND HOME HEALTH AIDES	21%	79%	≤5%	9%	1,890,701	517,146	66,246
6300	PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	21%	79%	7%-18%	28%	15,901	4,331	557
4120	FOOD SERVERS, NON-RESTAURANT	21%	79%	≤10%	10%	171,967	46,367	6,013
1106	COMPUTER NETWORK ARCHITECTS	21%	79%	<1%	4%	51,967	13,975	1,772
3010	DENTISTS	21%	79%	<1%	0%	132,311	35,410	5,399
8850	ADHESIVE BONDING MACHINE OPERATORS AND TENDERS	21%	79%	6%-16%	12%	11,489	3,061	422
3050	PHARMACISTS	21%	79%	<1%	1%	208,260	54,458	8,214
1005	COMPUTER AND INFORMATION RESEARCH SCIENTISTS	21%	79%	≤1%	5%	229,072	59,881	8,397
1340	BIOMEDICAL AND AGRICULTURAL ENGINEERS	21%	79%	<1%	4%	12,744	3,325	431
9630	MACHINE FEEDERS AND OFFBEARERS	21%	79%	6%-12%	16%	33,775	8,777	1,217
1450	MATERIALS ENGINEERS	21%	79%	<1%	4%	27,145	7,021	1,039
9600	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	20%	80%	8%-14%	18%	454,141	115,657	15,306
8650	CRUSHING, GRINDING, POLISHING, MIXING, AND BLENDING WORKERS	20%	80%	6%-12%	14%	82,245	20,784	2,976
1910	BIOLOGICAL TECHNICIANS	20%	80%	≤1%	5%	20,118	5,066	740
8200	PLATING AND COATING MACHINE SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	20%	80%	≤10%	15%	15,751	3,914	558
340	LODGING MANAGERS	20%	80%	≤1%	8%	107,579	26,509	3,976
4600	CHILDCARE WORKERS	20%	80%	≤10%	11%	1,191,103	290,459	42,110
840	FINANCIAL ANALYSTS	19%	81%	<1%	4%	67,147	16,080	2,395

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
3300	CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	19%	81%	≤1%	4%	292,009	69,926	10,432
4500	BARBERS	19%	81%	≤10%	4%	82,495	19,684	2,780
4210	FIRST-LINE SUPERVISORS OF LANDSCAPING, LAWN SERVICE, AND GROUNDSKEEPING WORKERS	19%	81%	6%-12%	7%	164,464	38,753	5,602
7200	AUTOMOTIVE SERVICE TECHNICIANS AND MECHANICS	19%	81%	≤10%	9%	724,009	170,528	24,884
5630	WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS, RECORDKEEPING	19%	81%	≤10%	13%	66,486	15,536	2,517
8140	WELDING, SOLDERING, AND BRAZING WORKERS	19%	81%	6%-12%	16%	514,462	119,764	18,877
1350	CHEMICAL ENGINEERS	19%	81%	<1%	3%	45,451	10,519	1,684
4320	FIRST-LINE SUPERVISORS OF PERSONAL SERVICE WORKERS	19%	81%	≤1%	5%	156,921	36,308	5,089
4950	DOOR-TO-DOOR SALES WORKERS, NEWS AND STREET VENDORS, AND RELATED WORKERS	19%	81%	5%-11%	13%	160,483	37,122	5,661
8930	PAPER GOODS MACHINE SETTERS, OPERATORS, AND TENDERS	18%	82%	≤10%	14%	26,628	6,032	984
8540	WOODWORKING MACHINE SETTERS, OPERATORS, AND TENDERS, EXCEPT SAWING	18%	82%	≤7%-17%	24%	20,589	4,608	747
6760	MISCELLANEOUS CONSTRUCTION WORKERS, INCLUDING SEPTIC TANK SERVICERS AND SEWER PIPE CLEANERS	18%	82%	6%-12%	18%	44,578	9,972	1,495
1610	BIOLOGICAL SCIENTISTS	18%	82%	<1%	3%	67,148	14,875	2,565
1360	CIVIL ENGINEERS	18%	82%	<1%	4%	259,888	57,240	9,622
8500	CABINETMAKERS AND BENCH CARPENTERS	18%	82%	≤10%	17%	56,193	12,329	2,052
1460	MECHANICAL ENGINEERS	18%	82%	<1%	6%	181,252	39,750	6,572
8740	INSPECTORS, TESTERS, SORTERS, SAMPLERS, AND WEIGHERS	18%	82%	≤5%	12%	678,457	145,931	24,381
8420	TEXTILE WINDING, TWISTING, AND DRAWING OUT MACHINE SETTERS, OPERATORS, AND TENDERS	18%	82%	≤4%-14%	21%	11,920	2,548	418
1520	PETROLEUM, MINING AND GEOLOGICAL ENGINEERS, INCLUDING MINING SAFETY ENGINEERS	18%	82%	≤1%	3%	27,006	5,763	999
110	COMPUTER AND INFORMATION SYSTEMS MANAGERS	18%	82%	<1%	5%	431,836	91,721	15,662
5610	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	17%	83%	≤10%	13%	522,956	110,756	17,536
7120	ELECTRONIC HOME ENTERTAINMENT EQUIPMENT INSTALLERS AND REPAIRERS	17%	83%	≤10%	11%	57,267	11,867	1,766
6120	FOREST AND CONSERVATION WORKERS	17%	83%	≤6%-16%	20%	15,526	3,217	624
4510	HAIRDRESSERS, HAIRSTYLISTS, AND COSMETOLOGISTS	17%	83%	≤5%	4%	674,936	139,278	23,115

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
300	ARCHITECTURAL AND ENGINEERING MANAGERS	17%	83%	<1%	3%	123,464	25,268	4,753
8255	PRINTING PRESS OPERATORS	17%	83%	≤10%	12%	184,950	37,753	6,342
1300	ARCHITECTS, EXCEPT NAVAL	17%	83%	<1%	8%	154,107	31,322	5,763
6010	AGRICULTURAL INSPECTORS	17%	83%	≤10%	5%	15,608	3,150	576
5410	RESERVATION AND TRANSPORTATION TICKET AGENTS AND TRAVEL CLERKS	17%	83%	≤3%	8%	110,933	22,282	3,667
1107	COMPUTER OCCUPATIONS, ALL OTHER	17%	83%	≤1%	5%	194,982	39,101	6,567
800	ACCOUNTANTS AND AUDITORS	17%	83%	<1%	4%	1,757,739	350,828	65,014
5900	OFFICE MACHINE OPERATORS, EXCEPT COMPUTER	17%	83%	≤5%	11%	40,759	8,115	1,397
8910	ETCHERS AND ENGRAVERS	17%	83%	≤10%	12%	9,543	1,898	332
1320	AEROSPACE ENGINEERS	16%	84%	<1%	3%	116,782	22,868	4,431
4110	WAITERS AND WAITRESSES	16%	84%	≤10%	13%	1,970,280	384,759	59,254
3640	DENTAL ASSISTANTS	16%	84%	≤5%	6%	244,288	47,524	8,297
1420	ENVIRONMENTAL ENGINEERS	16%	84%	<1%	2%	27,390	5,272	989
1200	ACTUARIES	16%	84%	≤1%	2%	21,422	4,074	762
9130	DRIVER/SALES WORKERS AND TRUCK DRIVERS	16%	84%	≤10%	10%	2,808,845	531,886	97,498
4720	CASHIERS	16%	84%	≤10%	17%	3,290,979	619,130	105,104
5560	POSTAL SERVICE MAIL SORTERS, PROCESSORS, AND PROCESSING MACHINE OPERATORS	16%	84%	≤1%	6%	69,367	13,013	2,515
4740	COUNTER AND RENTAL CLERKS	16%	84%	≤10%	15%	110,404	20,602	3,447
1430	INDUSTRIAL ENGINEERS, INCLUDING HEALTH AND SAFETY	16%	84%	<1%	5%	151,168	28,188	5,576
8410	TEXTILE KNITTING AND WEAVING MACHINE SETTERS, OPERATORS, AND TENDERS	16%	84%	≤10%	14%	10,346	1,920	384
7550	MANUFACTURED BUILDING AND MOBILE HOME INSTALLERS	16%	84%	6%-15%	20%	8,311	1,539	249
4010	FIRST-LINE SUPERVISORS OF FOOD PREPARATION AND SERVING WORKERS	16%	84%	≤10%	9%	498,544	91,875	15,700
7900	COMPUTER CONTROL PROGRAMMERS AND OPERATORS	16%	84%	≤3%	14%	68,380	12,544	2,531
8530	SAWING MACHINE SETTERS, OPERATORS, AND TENDERS, WOOD	15%	85%	5%-11%	18%	30,833	5,615	1,242
9620	LABORERS AND FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	15%	85%	≤10%	18%	2,002,239	364,551	66,311
3160	PHYSICAL THERAPISTS	15%	85%	<1%	1%	167,929	30,558	6,120
7340	MAINTENANCE AND REPAIR WORKERS, GENERAL	15%	85%	≤10%	7%	464,598	84,156	16,419
7320	HOME APPLIANCE REPAIRERS	15%	85%	≤10%	7%	35,517	6,416	1,230

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share*	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
5850	MAIL CLERKS AND MAIL MACHINE OPERATORS, EXCEPT POSTAL SERVICE	15%	85%	≤5%	14%	100,724	18,172	3,353
6440	PIPELAYERS, PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	15%	85%	≤8%	16%	496,501	89,530	16,268
5350	CORRESPONDENCE CLERKS AND ORDER CLERKS	15%	85%	≤8%	11%	132,330	23,716	4,666
8100	MOLDERS AND MOLDING MACHINE SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	15%	85%	3%-9%	16%	41,350	7,375	1,458
7430	PRECISION INSTRUMENT AND EQUIPMENT REPAIRERS	15%	85%	≤3%	6%	58,226	10,311	2,137
7260	MISCELLANEOUS VEHICLE AND MOBILE EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS	15%	85%	6%-12%	14%	77,012	13,632	2,385
7730	ENGINE AND OTHER MACHINE ASSEMBLERS	15%	85%	≤10%	16%	14,181	2,506	515
5540	POSTAL SERVICE CLERKS	15%	85%	<1%	4%	108,848	19,212	4,091
1960	MISCELLANEOUS LIFE, PHYSICAL, AND SOCIAL SCIENCE TECHNICIANS, INCLUDING SOCIAL SCIENCE RESEARCH ASSISTANTS AND NUCLEAR	15%	85%	≤3%	7%	159,533	28,078	5,616
5130	GAMING CAGE WORKERS	15%	85%	≤1%	7%	10,840	1,903	391
1900	AGRICULTURAL AND FOOD SCIENCE TECHNICIANS	15%	85%	≤3%	6%	26,332	4,597	1,012
2630	DESIGNERS	15%	85%	≤3%	9%	686,825	119,311	23,593
8256	PRINT BINDING AND FINISHING WORKERS	15%	85%	≤10%	15%	27,563	4,765	918
3945	TRANSPORTATION SECURITY SCREENERS	15%	85%	<1%	5%	15,204	2,603	495
5510	COURIERS AND MESSENGERS	15%	85%	≤5%	11%	268,268	45,927	8,852
5300	HOTEL, MOTEL, AND RESORT DESK CLERKS	15%	85%	≤5%	13%	134,161	22,934	4,163
7620	OTHER INSTALLATION, MAINTENANCE, AND REPAIR WORKERS, INCLUDING COMMERCIAL DIVERS, AND SIGNAL AND TRACK SWITCH REPAIR	15%	85%	≤8%	10%	219,817	37,560	7,415
3130	REGISTERED NURSES	15%	85%	<1%	2%	2,465,342	420,662	90,041
4710	FIRST-LINE SUPERVISORS OF NON-RETAIL SALES WORKERS	15%	85%	≤3%	5%	1,030,828	175,622	35,504
1030	WEB DEVELOPERS	15%	85%	<1%	6%	96,918	16,485	3,221
7700	FIRST-LINE SUPERVISORS OF PRODUCTION AND OPERATING WORKERS	14%	86%	≤5%	7%	793,790	133,478	29,236
9150	MOTOR VEHICLE OPERATORS, ALL OTHER	14%	86%	≤5%	11%	53,751	9,033	1,937
940	TAX PREPARERS	14%	86%	≤1%	21%	100,586	16,903	3,640
5620	STOCK CLERKS AND ORDER FILLERS	14%	86%	≤10%	16%	1,490,154	248,403	47,531
1550	ENGINEERING TECHNICIANS, EXCEPT DRAFTERS	14%	86%	≤1%	7%	372,523	61,903	13,049

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
1105	NETWORK AND COMPUTER SYSTEMS ADMINISTRATORS	14%	86%	<1%	5%	319,246	52,743	10,681
6740	RAIL-TRACK LAYING AND MAINTENANCE EQUIPMENT OPERATORS	14%	86%	≤3%	5%	11,663	1,923	376
6360	GLAZIERS	14%	86%	3%-9%	18%	39,883	6,562	1,272
9110	AMBULANCE DRIVERS AND ATTENDANTS, EXCEPT EMERGENCY MEDICAL TECHNICIANS	14%	86%	≤5%	7%	12,210	2,004	411
710	MANAGEMENT ANALYSTS	14%	86%	<1%	6%	619,305	101,415	21,961
8010	LATHE AND TURNING MACHINE TOOL SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	14%	86%	≤5%	23%	11,418	1,867	409
8030	MACHINISTS	14%	86%	≤5%	9%	333,091	54,386	11,805
7110	ELECTRONIC EQUIPMENT INSTALLERS AND REPAIRERS, MOTOR VEHICLES	14%	86%	≤8%	15%	15,164	2,450	477
8610	STATIONARY ENGINEERS AND BOILER OPERATORS	14%	86%	≤3%	6%	81,957	13,241	2,894
3535	MISCELLANEOUS HEALTH TECHNOLOGISTS AND TECHNICIANS	14%	86%	≤1%	5%	117,548	18,825	3,854
5250	ELIGIBILITY INTERVIEWERS, GOVERNMENT PROGRAMS	14%	86%	≤1%	3%	63,076	10,090	2,247
510	BUYERS AND PURCHASING AGENTS, FARM PRODUCTS	14%	86%	≤3%	8%	10,839	1,721	391
7160	AUTOMOTIVE GLASS INSTALLERS AND REPAIRERS	14%	86%	≤10%	11%	18,923	2,999	551
9750	MISCELLANEOUS MATERIAL MOVING WORKERS, INCLUDING MINE SHUTTLE CAR OPERATORS, AND TANK CAR, TRUCK, AND SHIP LOADERS	14%	86%	≤10%	13%	53,586	8,441	1,841
7940	ROLLING MACHINE SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	14%	86%	≤10%	13%	9,516	1,496	331
4050	COMBINED FOOD PREPARATION AND SERVING WORKERS, INCLUDING FAST FOOD	14%	86%	≤10%	16%	341,945	53,752	10,544
735	MARKET RESEARCH ANALYSTS AND MARKETING SPECIALISTS	14%	86%	≤1%	6%	202,554	31,694	6,758
8250	PREPRESS TECHNICIANS AND WORKERS	13%	87%	≤3%	15%	38,552	5,999	1,299
4650	PERSONAL CARE AND SERVICE WORKERS, ALL OTHER	13%	87%	≤5%	10%	94,321	14,661	2,881
740	BUSINESS OPERATIONS SPECIALISTS, ALL OTHER	13%	87%	≤1%	6%	212,624	32,943	7,378
7010	COMPUTER, AUTOMATED TELLER, AND OFFICE MACHINE REPAIRERS	13%	87%	≤3%	9%	243,550	37,729	7,802
4700	FIRST-LINE SUPERVISORS OF RETAIL SALES WORKERS	13%	87%	≤3%	6%	2,733,407	422,236	89,805
700	LOGISTICIANS	13%	87%	≤1%	6%	94,251	14,551	2,985
1540	DRAFTERS	13%	87%	≤1%	12%	166,582	25,711	5,889

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
7330	INDUSTRIAL AND REFRACTORY MACHINERY MECHANICS	13%	87%	≤5%	8%	353,657	54,430	12,816
7040	ELECTRIC MOTOR, POWER TOOL, AND RELATED REPAIRERS	13%	87%	≤5%	7%	28,208	4,335	1,015
9360	AUTOMOTIVE AND WATERCRAFT SERVICE ATTENDANTS	13%	87%	≤5%	17%	120,070	18,425	3,778
3930	SECURITY GUARDS AND GAMING SURVEILLANCE OFFICERS	13%	87%	<3%	12%	941,807	143,747	29,155
4930	SALES ENGINEERS	13%	87%	<1%	5%	28,737	4,383	1,012
8060	MODEL MAKERS AND PATTERNMAKERS, METAL AND PLASTIC	13%	87%	≤1%	20%	6,048	916	204
2060	RELIGIOUS WORKERS, ALL OTHER	13%	87%	≤1%	3%	78,415	11,778	2,973
7950	CUTTING, PUNCHING, AND PRESS MACHINE SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	13%	87%	≤8%	19%	91,169	13,685	3,101
120	FINANCIAL MANAGERS	13%	87%	≤1%	4%	966,894	144,627	33,175
3110	PHYSICIAN ASSISTANTS	13%	87%	≤1%	2%	99,840	14,799	3,248
4820	SECURITIES, COMMODITIES, AND FINANCIAL SERVICES SALES AGENTS	13%	87%	<1%	7%	277,773	41,067	8,997
7510	COIN, VENDING, AND AMUSEMENT MACHINE SERVICERS AND REPAIRERS	13%	87%	≤5%	10%	41,283	6,097	1,402
9000	SUPERVISORS OF TRANSPORTATION AND MATERIAL MOVING WORKERS	13%	87%	≤3%	6%	208,136	30,724	6,986
3630	MASSAGE THERAPISTS	13%	87%	≤1%	5%	132,112	19,466	4,425
9410	TRANSPORTATION INSPECTORS	13%	87%	≤3%	7%	44,161	6,482	1,513
4920	REAL ESTATE BROKERS AND SALES AGENTS	13%	87%	≤1%	6%	692,045	101,444	23,455
7310	HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	13%	87%	≤5%	10%	321,247	46,975	10,420
1920	CHEMICAL TECHNICIANS	13%	87%	≤1%	6%	61,900	9,048	2,165
8550	MISCELLANEOUS WOODWORKERS, INCLUDING MODEL MAKERS AND PATTERNMAKERS	13%	87%	≤5%	12%	26,616	3,889	984
9420	MISCELLANEOUS TRANSPORTATION WORKERS, INCLUDING BRIDGE AND LOCK TENDERS AND TRAFFIC TECHNICIANS	13%	87%	≤3%	8%	22,066	3,209	690
1050	COMPUTER SUPPORT SPECIALISTS	13%	87%	≤1%	7%	479,616	69,644	15,422
3030	DIETITIANS AND NUTRITIONISTS	13%	87%	≤1%	3%	77,419	11,239	2,686
5160	TELLERS	13%	87%	≤3%	7%	389,563	56,501	13,198
6350	ELECTRICIANS	13%	87%	≤5%	14%	707,131	102,289	23,292
830	CREDIT ANALYSTS	13%	87%	<1%	5%	25,073	3,622	817
2600	ARTISTS AND RELATED WORKERS	13%	87%	≤1%	8%	172,342	24,781	6,108

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share*	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
3650	MEDICAL ASSISTANTS AND OTHER HEALTHCARE SUPPORT OCCUPATIONS, EXCEPT DENTAL ASSISTANTS	12%	88%	≤3%	7%	765,132	108,807	24,114
6100	FISHING AND HUNTING WORKERS	12%	88%	≤5%	13%	40,476	5,752	1,477
4760	RETAIL SALESPERSONS	12%	88%	≤5%	12%	3,349,897	474,534	105,500
8830	PHOTOGRAPHIC PROCESS WORKERS AND PROCESSING MACHINE OPERATORS	12%	88%	≤3%	9%	50,354	7,118	1,493
430	MISCELLANEOUS MANAGERS, INCLUDING FUNERAL SERVICE MANAGERS AND POSTMASTERS AND MAIL SUPERINTENDENTS	12%	88%	≤1%	5%	2,886,558	405,055	99,338
10	CHIEF EXECUTIVES AND LEGISLATORS	12%	88%	<1%	4%	975,138	136,401	34,588
2800	ANNOUNCERS	12%	88%	≤5%	10%	51,930	7,238	1,525
5340	NEW ACCOUNTS CLERKS	12%	88%	≤1%	4%	20,470	2,840	661
140	INDUSTRIAL PRODUCTION MANAGERS	12%	88%	≤1%	6%	211,671	29,293	7,531
1600	AGRICULTURAL AND FOOD SCIENTISTS	12%	88%	<1%	2%	28,835	3,986	1,096
950	FINANCIAL SPECIALISTS, ALL OTHER	12%	88%	≤1%	4%	67,373	9,300	2,213
9120	BUS DRIVERS	12%	88%	≤1%	5%	552,371	76,227	19,011
8720	EXTRUDING, FORMING, PRESSING, AND COMPACTING MACHINE SETTERS, OPERATORS, AND TENDERS	12%	88%	≤5%	17%	32,491	4,453	1,048
6200	FIRST-LINE SUPERVISORS OF CONSTRUCTION TRADES AND EXTRACTION WORKERS	12%	88%	≤5%	11%	809,229	110,876	28,927
6520	SHEET METAL WORKERS	12%	88%	≤8%	16%	128,857	17,634	4,165
7130	SECURITY AND FIRE ALARM SYSTEMS INSTALLERS	12%	88%	<3%	10%	53,514	7,312	1,590
3500	LICENSED PRACTICAL AND LICENSED VOCATIONAL NURSES	12%	88%	≤1%	4%	604,999	82,389	21,074
4550	TRANSPORTATION ATTENDANTS	12%	88%	≤1%	5%	120,012	16,325	3,887
2740	DANCERS AND CHOREOGRAPHERS	12%	88%	≤5%	16%	22,490	3,029	548
3120	PODIATRISTS	12%	88%	<1%	1%	8,037	1,076	295
410	PROPERTY, REAL ESTATE, AND COMMUNITY ASSOCIATION MANAGERS	12%	88%	≤1%	6%	497,945	66,130	16,261
1220	OPERATIONS RESEARCH ANALYSTS	12%	88%	<1%	3%	117,083	15,537	4,064
4340	ANIMAL TRAINERS	12%	88%	≤5%	6%	39,015	5,158	1,244
7350	MAINTENANCE WORKERS, MACHINERY	12%	88%	≤5%	9%	28,633	3,771	962
7420	TELECOMMUNICATIONS LINE INSTALLERS AND REPAIRERS	12%	88%	≤5%	10%	159,810	20,992	4,878
5800	COMPUTER OPERATORS	12%	88%	≤1%	9%	128,970	16,873	4,199
130	HUMAN RESOURCES MANAGERS	12%	88%	≤1%	5%	387,724	50,724	13,929
2540	TEACHER ASSISTANTS	12%	88%	≤3%	7%	957,153	125,023	33,704
6530	STRUCTURAL IRON AND STEEL WORKERS	12%	88%	≤5%	23%	66,311	8,625	2,112

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
520	WHOLESALE AND RETAIL BUYERS, EXCEPT FARM PRODUCTS	11%	89%	≤1%	7%	204,108	26,514	6,809
4900	MODELS, DEMONSTRATORS, AND PRODUCT PROMOTERS	11%	89%	≤3%	19%	69,245	8,980	2,206
1007	INFORMATION SECURITY ANALYSTS	11%	89%	<1%	4%	30,016	3,892	964
2760	ENTERTAINERS AND PERFORMERS, SPORTS AND RELATED WORKERS, ALL OTHER	11%	89%	≤1%	12%	41,352	5,332	1,257
5860	OFFICE CLERKS, GENERAL	11%	89%	≤3%	9%	1,169,979	150,115	38,721
2040	CLERGY	11%	89%	≤1%	1%	386,702	49,067	15,134
500	AGENTS AND BUSINESS MANAGERS OF ARTISTS, PERFORMERS, AND ATHLETES	11%	89%	≤1%	8%	39,164	4,898	1,183
5260	FILE CLERKS	11%	89%	≤3%	11%	359,563	44,842	12,188
2340	OTHER TEACHERS AND INSTRUCTORS	11%	89%	≤1%	7%	832,953	103,796	27,940
2440	LIBRARY TECHNICIANS	11%	89%	≤3%	6%	53,425	6,625	1,954
4300	FIRST-LINE SUPERVISORS OF GAMING WORKERS	11%	89%	≤1%	8%	74,216	9,203	2,378
2750	MUSICIANS, SINGERS, AND RELATED WORKERS	11%	89%	≤3%	8%	176,158	21,832	5,897
7740	STRUCTURAL METAL FABRICATORS AND FITTERS	11%	89%	≤8%	15%	27,574	3,406	901
3040	OPTOMETRISTS	11%	89%	<1%	0%	30,931	3,783	1,163
220	CONSTRUCTION MANAGERS	11%	89%	≤3%	10%	673,206	82,227	21,794
7540	LOCKSMITHS AND SAFE REPAIRERS	11%	89%	≤5%	4%	24,844	3,030	796
160	TRANSPORTATION, STORAGE, AND DISTRIBUTION MANAGERS	11%	89%	≤3%	8%	211,937	25,837	6,751
3420	HEALTH PRACTITIONER SUPPORT TECHNOLOGISTS AND TECHNICIANS	11%	89%	≤1%	5%	487,091	59,375	15,324
900	FINANCIAL EXAMINERS	11%	89%	<1%	3%	13,156	1,599	424
3220	RESPIRATORY THERAPISTS	11%	89%	<1%	2%	91,996	11,111	3,172
4060	COUNTER ATTENDANTS, CAFETERIA, FOOD CONCESSION, AND COFFEE SHOP	11%	89%	≤8%	20%	235,740	28,343	7,069
350	MEDICAL AND HEALTH SERVICES MANAGERS	11%	89%	<1%	3%	530,444	63,540	18,028
2300	PRESCHOOL AND KINDERGARTEN TEACHERS	11%	89%	≤1%	6%	550,383	65,895	17,439
5240	CUSTOMER SERVICE REPRESENTATIVES	11%	89%	≤3%	11%	2,278,935	272,719	69,190
5110	BILLING AND POSTING CLERKS	11%	89%	≤1%	7%	462,602	55,320	15,080
2710	PRODUCERS AND DIRECTORS	11%	89%	<1%	8%	135,629	16,213	4,281
820	BUDGET ANALYSTS	11%	89%	<1%	2%	45,545	5,442	1,572
3000	CHIROPRACTORS	11%	89%	<1%	2%	49,954	5,967	1,694
20	GENERAL AND OPERATIONS MANAGERS	11%	89%	≤1%	5%	886,129	105,235	29,492
2910	PHOTOGRAPHERS	11%	89%	≤1%	12%	143,544	16,959	4,533

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
5810	DATA ENTRY KEYERS	11%	89%	≤1%	13%	404,433	47,586	13,251
7210	BUS AND TRUCK MECHANICS AND DIESEL ENGINE SPECIALISTS	11%	89%	≤5%	7%	283,900	33,339	9,430
8640	CHEMICAL PROCESSING MACHINE SETTERS, OPERATORS, AND TENDERS	10%	90%	≤5%	7%	49,338	5,750	1,706
9260	SUBWAY, STREETCAR, AND OTHER RAIL TRANSPORTATION WORKERS	10%	90%	≤3%	7%	9,518	1,109	311
2810	NEWS ANALYSTS, REPORTERS AND CORRESPONDENTS	10%	90%	≤1%	6%	74,053	8,593	2,522
3320	DIAGNOSTIC RELATED TECHNOLOGISTS AND TECHNICIANS	10%	90%	<1%	3%	285,204	33,014	9,717
5330	LOAN INTERVIEWERS AND CLERKS	10%	90%	≤1%	11%	118,886	13,756	3,655
2920	TELEVISION, VIDEO, AND MOTION PICTURE CAMERA OPERATORS AND EDITORS	10%	90%	≤1%	11%	46,517	5,381	1,451
930	TAX EXAMINERS AND COLLECTORS, AND REVENUE AGENTS	10%	90%	<1%	5%	58,571	6,764	2,011
4540	TOUR AND TRAVEL GUIDES	10%	90%	≤1%	10%	49,379	5,696	1,759
9560	CONVEYOR OPERATORS AND TENDERS, AND HOIST AND WINCH OPERATORS	10%	90%	≤5%	13%	13,242	1,526	485
3520	OPTICIANS, DISPENSING	10%	90%	≤1%	4%	48,117	5,535	1,611
50	MARKETING AND SALES MANAGERS	10%	90%	<1%	7%	789,114	90,756	25,840
7140	AIRCRAFT MECHANICS AND SERVICE TECHNICIANS	10%	90%	≤1%	4%	167,359	19,196	5,356
1740	ENVIRONMENTAL SCIENTISTS AND GEOSCIENTISTS	10%	90%	<1%	3%	66,958	7,647	2,386
5000	FIRST-LINE SUPERVISORS OF OFFICE AND ADMINISTRATIVE SUPPORT WORKERS	10%	90%	≤1%	6%	1,340,859	153,013	44,657
3840	MISCELLANEOUS LAW ENFORCEMENT WORKERS	10%	90%	≤1%	7%	10,772	1,226	331
5820	WORD PROCESSORS AND TYPISTS	10%	90%	≤1%	9%	302,016	34,216	11,323
6940	MISCELLANEOUS EXTRACTION WORKERS, INCLUDING ROOF BOLTERS AND HELPERS	10%	90%	≤5%	14%	69,373	7,843	2,310
5360	HUMAN RESOURCES ASSISTANTS, EXCEPT PAYROLL AND TIMEKEEPING	10%	90%	≤1%	7%	52,243	5,898	1,680
5120	BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	10%	90%	≤1%	7%	1,320,586	148,783	46,642
850	PERSONAL FINANCIAL ADVISORS	10%	90%	<1%	3%	318,464	35,772	10,371
5930	MISCELLANEOUS OFFICE AND ADMINISTRATIVE SUPPORT WORKERS, INCLUDING DESKTOP PUBLISHERS	10%	90%	≤1%	7%	590,380	66,261	18,936
7220	HEAVY VEHICLE AND MOBILE EQUIPMENT SERVICE TECHNICIANS AND MECHANICS	10%	90%	≤5%	8%	202,124	22,665	7,216
5420	INFORMATION AND RECORD CLERKS, ALL OTHER	10%	90%	≤1%	6%	96,757	10,840	3,267

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
3510	MEDICAL RECORDS AND HEALTH INFORMATION TECHNICIANS	10%	90%	≤1%	6%	104,358	11,684	3,361
5320	LIBRARY ASSISTANTS, CLERICAL	10%	90%	≤1%	5%	112,001	12,537	4,084
7020	RADIO AND TELECOMMUNICATIONS EQUIPMENT INSTALLERS AND REPAIRERS	10%	90%	≤3%	7%	165,777	18,483	5,221
6800	DERRICK, ROTARY DRILL, AND SERVICE UNIT OPERATORS, AND ROUSTABOUTS, OIL, GAS, AND MINING	10%	90%	≤5%	13%	39,103	4,354	1,271
5200	BROKERAGE CLERKS	10%	90%	<1%	6%	8,936	991	298
3620	PHYSICAL THERAPIST ASSISTANTS AND AIDES	10%	90%	≤1%	4%	65,185	7,207	2,173
3940	CROSSING GUARDS	10%	90%	≤1%	16%	59,014	6,404	1,999
8040	METAL FURNACE OPERATORS, TENDERS, POURERS, AND CASTERS	10%	90%	≤5%	13%	23,560	2,542	774
2700	ACTORS	10%	90%	≤1%	35%	47,112	4,980	1,366
1860	MISCELLANEOUS SOCIAL SCIENTISTS, INCLUDING SURVEY RESEARCHERS AND SOCIOLOGISTS	10%	90%	<1%	6%	49,584	5,227	1,631
4850	SALES REPRESENTATIVES, WHOLESALE AND MANUFACTURING	10%	90%	≤1%	6%	1,326,938	139,541	44,015
2010	SOCIAL WORKERS	10%	90%	<1%	4%	734,998	77,287	24,370
5550	POSTAL SERVICE MAIL CARRIERS	10%	90%	<1%	2%	302,435	31,796	10,820
6320	CONSTRUCTION EQUIPMENT OPERATORS, EXCEPT PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	10%	90%	≤6%	17%	349,687	36,727	12,544
1840	URBAN AND REGIONAL PLANNERS	9%	91%	<1%	2%	19,698	2,061	722
150	PURCHASING MANAGERS	9%	91%	<1%	5%	182,444	19,076	6,160
565	COMPLIANCE OFFICERS	9%	91%	<1%	4%	184,957	19,314	6,339
40	ADVERTISING AND PROMOTIONS MANAGERS	9%	91%	<1%	6%	51,772	5,383	1,646
2720	ATHLETES, COACHES, UMPIRES, AND RELATED WORKERS	9%	91%	≤1%	10%	255,013	26,427	7,930
910	CREDIT COUNSELORS AND LOAN OFFICERS	9%	91%	≤1%	7%	301,540	31,183	9,618
2145	PARALEGALS AND LEGAL ASSISTANTS	9%	91%	≤1%	7%	360,740	37,211	11,338
4150	HOSTS AND HOSTESSES, RESTAURANT, LOUNGE, AND COFFEE SHOP	9%	91%	≤5%	13%	282,371	29,121	8,264
7560	RIGGERS	9%	91%	≤5%	16%	11,088	1,143	364
3240	THERAPISTS, ALL OTHER	9%	91%	≤1%	3%	126,725	13,054	4,202
5920	STATISTICAL ASSISTANTS	9%	91%	<1%	7%	23,819	2,449	825
1440	MARINE ENGINEERS AND NAVAL ARCHITECTS	9%	91%	<1%	3%	11,371	1,168	391
5400	RECEPTIONISTS AND INFORMATION CLERKS	9%	91%	≤3%	12%	1,219,034	123,814	37,366
3210	RECREATIONAL THERAPISTS	9%	91%	<1%	4%	12,381	1,238	407
5100	BILL AND ACCOUNT COLLECTORS	9%	91%	≤3%	12%	226,572	22,442	6,457

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
2020	MISCELLANEOUS COMMUNITY AND SOCIAL SERVICE SPECIALISTS	9%	91%	≤1%	6%	319,474	31,625	10,393
4240	PEST CONTROL WORKERS	9%	91%	≤3%	9%	67,979	6,627	2,104
7000	FIRST-LINE SUPERVISORS OF MECHANICS, INSTALLERS, AND REPAIRERS	9%	91%	≤1%	5%	279,138	27,151	9,553
5600	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	9%	91%	≤1%	6%	286,204	27,809	9,263
4840	SALES REPRESENTATIVES, SERVICES, ALL OTHER	9%	91%	≤1%	10%	605,072	58,499	18,950
9520	DREDGE, EXCAVATING, AND LOADING MACHINE OPERATORS	9%	91%	≤5%	13%	40,873	3,936	1,525
1930	GEOLOGICAL AND PETROLEUM TECHNICIANS, AND NUCLEAR TECHNICIANS	9%	91%	<1%	5%	15,958	1,532	564
630	HUMAN RESOURCES WORKERS	9%	91%	≤1%	7%	701,595	67,338	22,179
3150	OCCUPATIONAL THERAPISTS	9%	91%	<1%	1%	81,408	7,625	2,742
6210	BOILERMAKERS	9%	91%	≤5%	23%	22,725	2,125	779
4810	INSURANCE SALES AGENTS	8%	92%	≤1%	5%	526,205	48,598	17,252
5140	PAYROLL AND TIMEKEEPING CLERKS	8%	92%	≤1%	7%	169,306	15,464	5,609
4040	BARTENDERS	8%	92%	≤3%	11%	408,484	37,273	11,002
8130	TOOL AND DIE MAKERS	8%	92%	≤1%	11%	61,677	5,625	2,191
3310	DENTAL HYGIENISTS	8%	92%	<1%	2%	148,788	13,510	5,077
2830	EDITORS	8%	92%	<1%	8%	158,849	14,358	5,375
725	MEETING, CONVENTION, AND EVENT PLANNERS	8%	92%	≤1%	8%	79,848	7,215	2,458
7920	EXTRUDING AND DRAWING MACHINE SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	8%	92%	≤3%	10%	11,245	1,016	375
530	PURCHASING AGENTS, EXCEPT WHOLESALE, RETAIL, AND FARM PRODUCTS	8%	92%	≤1%	7%	245,066	21,754	8,203
6430	PAPERHANGERS	8%	92%	≤5%	22%	5,504	488	191
2900	BROADCAST AND SOUND ENGINEERING TECHNICIANS AND RADIO OPERATORS	8%	92%	≤1%	7%	91,745	8,100	2,785
5230	CREDIT AUTHORIZERS, CHECKERS, AND CLERKS	8%	92%	≤1%	7%	49,807	4,363	1,535
1820	PSYCHOLOGISTS	8%	92%	<1%	1%	177,877	15,472	6,166
6660	CONSTRUCTION AND BUILDING INSPECTORS	8%	92%	<1%	7%	93,972	8,162	3,162
8730	FURNACE, KILN, OVEN, DRIER, AND KETTLE OPERATORS AND TENDERS	8%	92%	<5%	8%	11,234	974	388
860	INSURANCE UNDERWRITERS	8%	92%	<1%	3%	99,299	8,588	3,115
4960	SALES AND RELATED WORKERS, ALL OTHER	8%	92%	≤1%	8%	340,318	29,334	10,989
4620	RECREATION AND FITNESS WORKERS	8%	92%	≤1%	10%	391,625	33,745	12,283

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
5310	INTERVIEWERS, EXCEPT ELIGIBILITY AND LOAN	8%	92%	≤1%	24%	196,244	16,890	6,131
4430	MISCELLANEOUS ENTERTAINMENT ATTENDANTS AND RELATED WORKERS	8%	92%	≤3%	17%	198,134	16,994	6,151
6700	ELEVATOR INSTALLERS AND REPAIRERS	8%	92%	≤1%	8%	26,108	2,239	824
420	SOCIAL AND COMMUNITY SERVICE MANAGERS	8%	92%	<1%	5%	298,640	25,589	10,227
6130	LOGGING WORKERS	8%	92%	<5%	13%	71,565	6,127	2,865
640	COMPENSATION, BENEFITS, AND JOB ANALYSIS SPECIALISTS	8%	92%	<1%	4%	42,187	3,602	1,346
5020	TELEPHONE OPERATORS	8%	92%	≤1%	11%	49,151	4,155	1,435
5700	SECRETARIES AND ADMINISTRATIVE ASSISTANTS	8%	92%	≤1%	7%	3,556,345	300,616	123,509
5150	PROCUREMENT CLERKS	8%	92%	≤1%	7%	29,498	2,490	1,028
5520	DISPATCHERS	8%	92%	≤3%	7%	268,081	22,619	8,415
3730	FIRST-LINE SUPERVISORS OF PROTECTIVE SERVICE WORKERS, ALL OTHER	8%	92%	<1%	4%	85,428	7,205	2,758
2160	MISCELLANEOUS LEGAL SUPPORT WORKERS	8%	92%	<1%	6%	215,122	18,127	6,916
2000	COUNSELORS	8%	92%	≤1%	5%	664,795	55,995	21,304
9510	CRANE AND TOWER OPERATORS	8%	92%	<5%	12%	67,847	5,660	2,121
2840	TECHNICAL WRITERS	8%	92%	<1%	8%	59,990	4,993	2,122
4750	PARTS SALESPERSONS	8%	92%	≤3%	8%	107,419	8,922	3,405
8150	HEAT TREATING EQUIPMENT SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	8%	92%	≤3%	10%	7,672	625	250
230	EDUCATION ADMINISTRATORS	8%	92%	<1%	3%	804,386	65,504	27,900
8210	TOOL GRINDERS, FILERS, AND SHARPENERS	8%	92%	≤1%	9%	6,971	566	267
7240	SMALL ENGINE MECHANICS	7%	93%	≤5%	11%	47,390	3,837	1,565
3540	OTHER HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS	7%	93%	<1%	5%	83,626	6,749	2,660
9300	SAILORS AND MARINE OILERS, AND SHIP ENGINEERS	7%	93%	≤1%	10%	32,820	2,648	1,037
540	CLAIMS ADJUSTERS, APPRAISERS, EXAMINERS, AND INVESTIGATORS	7%	93%	<1%	4%	280,046	22,580	8,795
6730	HIGHWAY MAINTENANCE WORKERS	7%	93%	≤5%	9%	106,771	8,597	3,943
2430	LIBRARIANS	7%	93%	<1%	3%	163,283	13,006	6,087
4800	ADVERTISING SALES AGENTS	7%	93%	≤1%	10%	220,327	17,547	6,652
2550	OTHER EDUCATION, TRAINING, AND LIBRARY WORKERS	7%	93%	<1%	4%	98,761	7,828	3,435
650	TRAINING AND DEVELOPMENT SPECIALISTS	7%	93%	≤1%	4%	83,739	6,602	2,669
3250	VETERINARIANS	7%	93%	<1%	0%	69,415	5,472	2,596

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share*	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
5030	COMMUNICATIONS EQUIPMENT OPERATORS, ALL OTHER	7%	93%	≤5%	8%	12,405	975	373
5840	INSURANCE CLAIMS AND POLICY PROCESSING CLERKS	7%	93%	≤1%	6%	293,567	23,029	9,004
7930	FORGING MACHINE SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	7%	93%	≤3%	15%	8,005	627	272
4640	RESIDENTIAL ADVISORS	7%	93%	≤1%	6%	73,325	5,740	2,580
1310	SURVEYORS, CARTOGRAPHERS, AND PHOTOGRAMMETRISTS	7%	93%	≤1%	5%	37,000	2,889	1,267
2050	DIRECTORS, RELIGIOUS ACTIVITIES AND EDUCATION	7%	93%	≤1%	2%	47,874	3,700	1,717
100	ADMINISTRATIVE SERVICES MANAGERS	7%	93%	<1%	5%	112,968	8,716	3,756
4350	NONFARM ANIMAL CARETAKERS	7%	93%	≤3%	9%	184,908	14,253	5,743
7960	DRILLING AND BORING MACHINE TOOL SETTERS, OPERATORS, AND TENDERS, METAL AND PLASTIC	7%	93%	≤5%	17%	5,005	381	167
60	PUBLIC RELATIONS AND FUNDRAISING MANAGERS	7%	93%	<1%	4%	54,656	4,097	1,814
2825	PUBLIC RELATIONS SPECIALISTS	7%	93%	<1%	5%	133,275	9,951	4,280
2320	SECONDARY SCHOOL TEACHERS	7%	93%	<1%	3%	775,981	57,801	25,931
5220	COURT, MUNICIPAL, AND LICENSE CLERKS	7%	93%	<1%	5%	86,555	6,434	2,929
7030	AVIONICS TECHNICIANS	7%	93%	<1%	3%	23,166	1,714	676
3610	OCCUPATIONAL THERAPY ASSISTANTS AND AIDES	7%	93%	≤1%	1%	13,996	1,034	471
6840	MINING MACHINE OPERATORS	7%	93%	≤5%	7%	60,692	4,481	2,149
7410	ELECTRICAL POWER-LINE INSTALLERS AND REPAIRERS	7%	93%	≤5%	7%	113,854	8,083	3,698
2850	WRITERS AND AUTHORS	7%	93%	<1%	7%	185,801	12,975	6,260
600	COST ESTIMATORS	6%	94%	<1%	8%	124,977	8,662	4,184
6820	EARTH DRILLERS, EXCEPT OIL AND GAS	6%	94%	≤5%	11%	27,763	1,907	922
9030	AIRCRAFT PILOTS AND FLIGHT ENGINEERS	6%	94%	<1%	3%	143,699	9,767	4,820
7300	CONTROL AND VALVE INSTALLERS AND REPAIRERS	6%	94%	≤3%	8%	21,068	1,430	648
4940	TELEMARKETERS	6%	94%	≤3%	31%	154,361	10,315	4,231
2100	LAWYERS, AND JUDGES, MAGISTRATES, AND OTHER JUDICIAL WORKERS	6%	94%	<1%	2%	1,005,435	66,907	34,196
5010	SWITCHBOARD OPERATORS, INCLUDING ANSWERING SERVICE	6%	94%	<1%	10%	42,319	2,816	1,309
5910	PROOFREADERS AND COPY MARKERS	6%	94%	<1%	12%	13,961	927	464
4410	MOTION PICTURE PROJECTIONISTS	6%	94%	<1%	10%	8,369	548	230

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
4420	USHERS, LOBBY ATTENDANTS, AND TICKET TAKERS	6%	94%	<1%	17%	48,257	3,132	1,430
330	GAMING MANAGERS	6%	94%	<1%	6%	17,886	1,158	607
2310	ELEMENTARY AND MIDDLE SCHOOL TEACHERS	6%	94%	<1%	3%	3,272,218	211,340	114,850
2400	ARCHIVISTS, CURATORS, AND MUSEUM TECHNICIANS	6%	94%	<1%	5%	44,071	2,845	1,523
2105	JUDICIAL LAW CLERKS	6%	94%	<1%	11%	12,171	784	408
5530	METER READERS, UTILITIES	6%	94%	<1%	5%	35,978	2,312	1,113
810	APPRAISERS AND ASSESSORS OF REAL ESTATE	6%	94%	<1%	3%	91,204	5,803	3,139
3910	PRIVATE DETECTIVES AND INVESTIGATORS	6%	94%	<1%	6%	80,014	5,089	2,383
205	FARMERS, RANCHERS, AND OTHER AGRICULTURAL MANAGERS	6%	94%	≤3%	3%	597,567	37,090	28,151
1710	ATMOSPHERIC AND SPACE SCIENTISTS	6%	94%	<1%	2%	11,025	650	334
3140	AUDIOLOGISTS	5%	95%	<1%	1%	14,307	831	463
2330	SPECIAL EDUCATION TEACHERS	5%	95%	<1%	3%	232,949	13,394	7,220
9040	AIR TRAFFIC CONTROLLERS AND AIRFIELD OPERATIONS SPECIALISTS	5%	95%	<1%	4%	42,151	2,392	1,235
3200	RADIATION THERAPISTS	5%	95%	<1%	1%	12,052	657	426
9230	RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	5%	95%	≤3%	10%	6,839	361	202
8630	MISCELLANEOUS PLANT AND SYSTEM OPERATORS	5%	95%	≤1%	5%	38,574	2,014	1,342
3400	EMERGENCY MEDICAL TECHNICIANS AND PARAMEDICS	5%	95%	≤1%	4%	181,558	9,338	5,530
7100	ELECTRICAL AND ELECTRONICS REPAIRERS, TRANSPORTATION EQUIPMENT, AND INDUSTRIAL AND UTILITY	5%	95%	≤1%	4%	23,309	1,184	733
3850	POLICE OFFICERS	5%	95%	<1%	2%	679,302	34,273	20,092
3955	LIFEGUARDS AND OTHER RECREATIONAL, AND ALL OTHER PROTECTIVE SERVICE WORKERS	5%	95%	≤1%	14%	196,024	9,811	6,170
8620	WATER AND WASTEWATER TREATMENT PLANT AND SYSTEM OPERATORS	5%	95%	≤1%	3%	79,351	3,905	2,848
7360	MILLWRIGHTS	5%	95%	≤1%	15%	51,415	2,492	1,763
9310	SHIP AND BOAT CAPTAINS AND OPERATORS	5%	95%	≤1%	10%	44,892	2,152	1,439
9650	PUMPING STATION OPERATORS	5%	95%	≤1%	5%	25,255	1,201	889
3820	DETECTIVES AND CRIMINAL INVESTIGATORS	4%	96%	<1%	1%	124,614	5,707	3,713
3230	SPEECH-LANGUAGE PATHOLOGISTS	4%	96%	<1%	1%	117,097	5,305	3,975
8940	TIRE BUILDERS	4%	96%	≤1%	10%	16,042	724	513
3800	BAILIFFS, CORRECTIONAL OFFICERS, AND JAILERS	4%	96%	<1%	3%	436,490	19,357	13,722

Table 1. Immigrant and Native Share of Occupations 2009-2011 (Cont.)

Census Code	Occupation	Immigrant Share	Native Share	Estimated Illegal Immigrant Share ^a	Native Unemployment Rate	Total Natives in Occupation	Total Immigrants in Occupation	Sample Size
9200	LOCOMOTIVE ENGINEERS AND OPERATORS	4%	96%	<1%	3%	48,806	2,129	1,518
3700	FIRST-LINE SUPERVISORS OF CORRECTIONAL OFFICERS	4%	96%	<1%	2%	62,159	2,662	2,200
1560	SURVEYING AND MAPPING TECHNICIANS	4%	96%	<1%	14%	75,601	3,156	2,423
4460	EMBALMERS AND FUNERAL ATTENDANTS	4%	96%	<1%	8%	14,153	528	515
6830	EXPLOSIVES WORKERS, ORDNANCE HANDLING EXPERTS, AND BLASTERS	3%	97%	<1%	8%	18,735	642	540
3750	FIRE INSPECTORS	3%	97%	<1%	6%	18,974	640	653
8600	POWER PLANT OPERATORS, DISTRIBUTORS, AND DISPATCHERS	3%	97%	<1%	3%	45,353	1,490	1,615
9240	RAILROAD CONDUCTORS AND YARDMASTERS	3%	97%	<1%	6%	45,999	1,355	1,414
3710	FIRST-LINE SUPERVISORS OF POLICE AND DETECTIVES	3%	97%	<1%	1%	122,702	3,293	3,825
3740	FIREFIGHTERS	2%	98%	<1%	3%	278,647	6,999	8,395
3900	ANIMAL CONTROL WORKERS	2%	98%	≤1%	4%	11,204	252	342
1640	CONSERVATION SCIENTISTS AND FORESTERS	2%	98%	<1%	2%	25,135	549	990
3720	FIRST-LINE SUPERVISORS OF FIRE FIGHTING AND PREVENTION WORKERS	2%	98%	<1%	2%	51,647	949	1,712
425	EMERGENCY MANAGEMENT DIRECTORS	1%	99%	<1%	7%	6,733	101	208
320	FUNERAL DIRECTORS	1%	99%	<1%	3%	40,880	475	1,365
	Total^b	16%	84%	4-5%	10%	131,118,358	25,558,717	4,546,080

^b Totals include those unemployed who did not report an occupation either because they had not worked in the last five years or because they are new entrants into the labor market.