

Youth Employment Data: Employment to Population Ratios for 16 to 19 and 20 to 24 Year Olds by Chicago Community Area, 2009 - 2014

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Great Cities Institute

University of Illinois at Chicago

Youth Employment Data: Employment to Population Ratios for 16 to 19 and 20 to 24 Year Olds by Chicago Community Area, 2009 to 2014

Introduction:

Issues of youth employment have gained much attention in Chicago as the number of youth without Jobs has hit historic highs in recent years. As shown in the recent report prepared by the Great Cities Institute, "Lost: The Crisis Of Jobless and Out Of School Teens and Young Adults in Chicago, Illinois and the U.S.," issues of youth joblessness are chronic and concentrated in Chicago Community Areas with the highest populations of Black residents. Chicago has higher percentages of Black and Latino youth without employment than the U.S., Illinois, Los Angeles, and New York.

In collaboration with The Chicago Tribune, this analysis by the Great Cities Institute examines by Chicago Community Area recent employment trends to identify which areas have experienced improvement in youth employment conditions. The ananlysis covers 5 years of employment trends for 16 to 19 and 20 to 24 year olds by Chicago Community Area to show the improving and declining employment conditions (see "Data Highlights on pages 3 and 4). With the identification of specific Community Areas, further investigation can uncover the conditions that explain the improving youth employment.

Methodology:

The U.S. Census Bureau's American Community Survey is a national monthly survey that produces demographic, socioeconomic, employment, income, education and behavioral estimates for households and individuals. About 3.54 million addresses are sampled each year nationwide.

American Community Survey 5-year estimates were used for 2009 and 2014 to calculate employment to population ratios for 16 to 19 and 20 to 24 year olds by Census Tract in Chicago. Geographic Information Systems (GIS) software was used to aggregate census tract data and geographies into Chicago Community Area boundaries.

Percentage point difference and percent change figures of employment to population ratios were calculated using 2009 and 2014 figures and displayed on maps by Chicago Community Area. Percentage point difference, percent change, employment counts and population counts by Chicago Community Area are included in tables.

Definitions:

Employment-Population Ratio: A calculation of the proportion of the total civilian non-institutionalized population that is employed. The inverse of this number is known as the out of work or jobless rate.

Out of Work or Jobless Rate: A calculation of the proportion of the total civilian non-institutionalized population that is unemployed or not in the labor force.

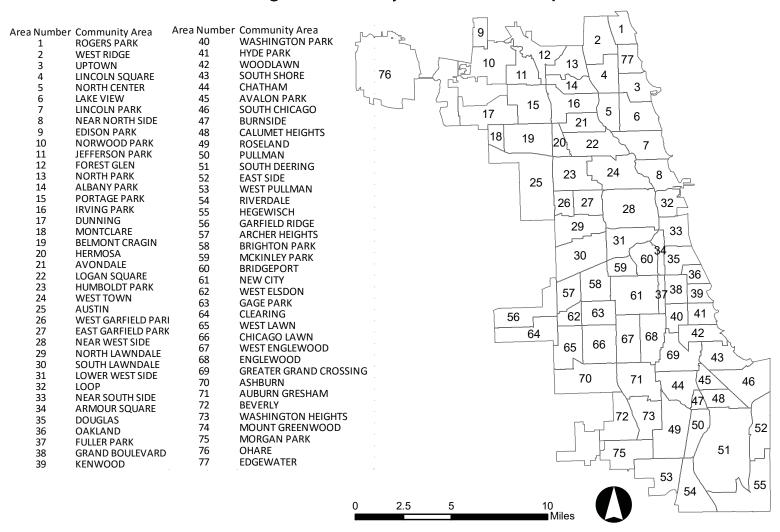
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Chicago Community Area Locator Map





Data Highlights

Map 1 shows the percent change of employment to population ratios for 16 to 19 year olds by Chicago Community Area from 2009 to 2014.

- The Near South Side and Burnside had the largest percent increases from 2009 to 2014 in employment to population ratios of 16 to 19 year olds. The Near South Side increased 86 percent and Burnside increased 320.1 percent.
- The Northside Community Areas of Lincoln Park, Uptown, and North Park had increased employment to population ratios for 16 to 19 year olds from 2009 to 2014, of 20.2, 22, and 26.1 percent respectively.
- The South Side communities of Armour Square, Kenwood, Oakland, South Shore, Englewood and Washington Heights had employment to population ratio increases for 16 to 19 year olds between 2009 and 2014. Armour Square had the largest percent increase (+49.3%), followed by Englewood (+48.5%) Oakland (+39.3%), South Shore (+34.7%), Kenwood (+19.4%), and Washington Heights (+3.8%).
- The far South Side had a concentration of Community Areas with percent decreases of employment to population ratios from 2009 to 2014 for 16 to 19 year olds, with Calumet Heights (-77%), Hegewisch (-76.8), West Pullman (-75.1%), Roseland (-72.2%), Chatham (-67.8%), Pullman (-66.9%), and South Deering (-55.4%).
- The Southwest Side, with the exception of Archer Heights (+26.1 percent) had substantial decreases in the employment to population ratio of 16 to 19 year olds from 2009 to 2014, with McKinley Park decreasing 51.9%, Gage Park 45.3%, Brighton Park 40%, Bridgeport 37.8%, the Lower West Side 35.8%, and South Lawndale 25.6%.

Map 2 shows the percentage point difference of employment to population ratios for 16 to 19 year olds by Chicago Community Area from 2009 to 2014.

- The Northside Community Areas of Lincoln Park, Uptown, and North Park had increases in employment to population ratios of 16 to 19 year olds from 2009 to 2014, of .4, 5.5, and 5.8 percentage points respectively.
- The Near South Side and Burnside had the largest percentage point increases from 2009 to 2014 in employment to population ratios of 16 to 19 year olds. The Near South Side increased 24.3 and Burnside increased 28 percentage points.
- The South Side communities with the largest percentage point increases of employment to population ratio for 20 to 24 year olds from 2009 to 2014 were Oakland (+4.8), Armour Square (+4.1), Englewood (+3.7), Kenwood (+2.6) and Washington Heights (+.4).
- The far South Side had a concentration of community areas with percent decreases of employment to population ratios from 2009 to 2014, with Hegewisch (-26.5), West Pullman (-15.8), Calumet Heights (-15.6), Roseland (-12.9), Pullman (-11.7), Chatham (-10.7), and South Deering (-10.4).
- The West and Southwest Side Community Areas with the largest percentage point increases of employment to population ratio for 20 to 24 year olds from 2009 to 2014 were McKinley Park (-16.9), Clearing (-14.5), East Garfield Park (-13.9), Gage Park (-12.6), and the Lower West Side (-10.7).
- Lincoln Square (-27.8) and Edison Park (-21.8) had the highest percentage point decreases on the North and Northwest Sides for 16 to 19 year olds from 2009 to 2014.

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Data Highlights

Map 3 shows the percent change of employment to population ratios for 20 to 24 year olds by Chicago Community Area from 2009 to 2014.

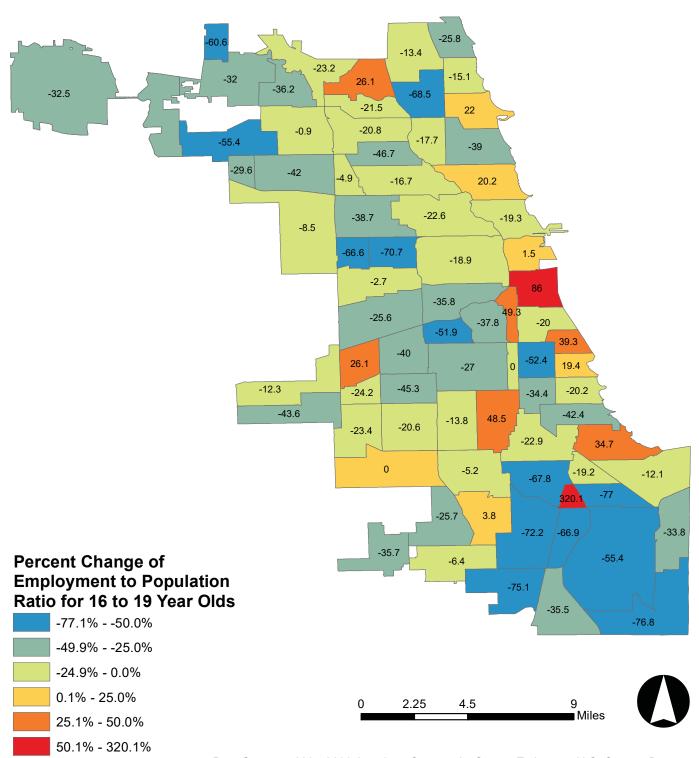
- The Loop (+8.3%) and the Southwest Side Community Areas of McKinley Park (+5.3%), and the Lower West Side (+9.7%) had increases in employment to population ratios for 20 to 24 year olds between 2009 and 2014.
- The West Side Community Areas of Humboldt Park (+9.3 percent), Hermosa (+8.7%), West Garfield Park (+8.3 percent), the Near West Side (+8%), and West Town (+7.6%) had increases in employment to population ratios for 20 to 24 year olds between 2009 and 2014.
- The North Side Community Areas of Near North Side (+10.5%), Lincoln Park (+9.5%), and Uptown (+3.8%) had increases in employment to population ratios for 20 to 24 year olds between 2009 and 2014.
- The South Side Community Areas of Fuller Park (-45%), Oakland (-42.8%), Douglas (-28.2%), Grand Boulevard (-24.2%), Kenwood (-23.2%), South Shore (-15.7%), Hyde Park (-18.3%), Englewood (-27.4%) had the largest employment to population ratio decreases on the South Side for 20 to 24 year olds between 2009 and 2014.
- The far South Side Community Areas of Chatham (-16.7%), Pullman (-38.6%), Riverdale (-28.1%), South Deering (-21.3%), West Pullman (-17.8%) had the largest employment to population ratio decreases on the far South Side for 20 to 24 year olds between 2009 and 2014.
- Burnside and Forest Glen had the largest percent increases in employment to population ratios for 20 to 24 year olds between 2009 and 2014 with Forest Glen increasing 47.1% and Burnside increasing 551%.

Map 4 shows the percentage point difference of employment to population ratios for 20 to 24 year olds by Chicago Community Area from 2009 to 2014.

- The Loop (+4.8 percentage points) and the Southwest Side Community Areas of McKinley Park (+3 percent), and the Lower West Side (+6.1 percentage points) had percentage point increases in employment to population ratio for 20 to 24 year olds from 2009 to 2014.
- The largest percentage point increases in employment to population ratios for 20 to 24 year olds from 2009 to 2014 for the West Side Community Areas were Humboldt Park (+4), Hermosa (+5.6), West Garfield Park (+3), the Near West Side (+4), and West Town (+5).
- The North Side Community Areas with the largest percentage point increases of employment to population ratio for 20 to 24 year olds from 2009 to 2014 included the Near North Side (+6.7), Lincoln Park (+6.6), Uptown (+2.7), and North Park (+3.1).
- The largest percentage point increases in employment to population ratios for 20 to 24 year olds from 2009 to 2014 for the South Side Community Areas were Fuller Park (-19.1), Oakland (-25.4), Douglas (-14.4), Grand Boulevard (-12.3), Kenwood (-12.5), South Shore (-9.4), Hyde Park (-10.5), Englewood (-10.6).
- The far South Side Community Areas with the largest percentage point increases of employment to population ratio for 20 to 24 year olds from 2009 to 2014 included Pullman (-20.3), Riverdale (-14), South Deering (-13.8), West Pullman (-9.7), and Chatham (-8.3).
- Burnside, Forest Glen, and Chicago Lawn had the largest percentage point increases in employment to population ratio for 20 to 24 year olds from 2009 to 2014 with Burnside (+43.3), Forest Glen (+23), and Chicago Lawn (+12).



Map 1: Percent Change of Employment to Population Ratio for 16 to 19 Year Olds by Chicago Community Area, 2009 to 2014



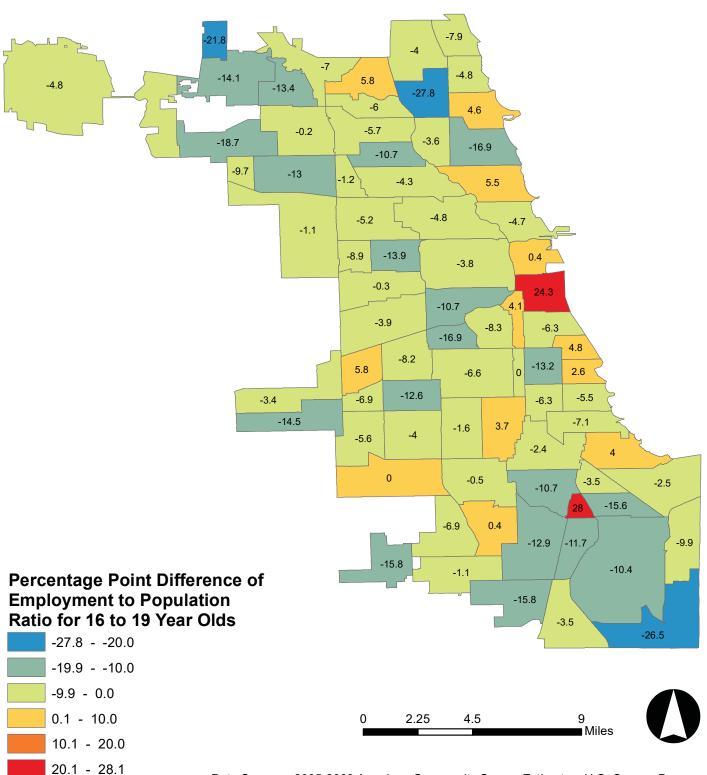
Data Sources: 2005-2009 American Community Survey Estimates. U.S. Census Bureau. 2010-2014 American Community Survey Estimates. U.S. Census Bureau.

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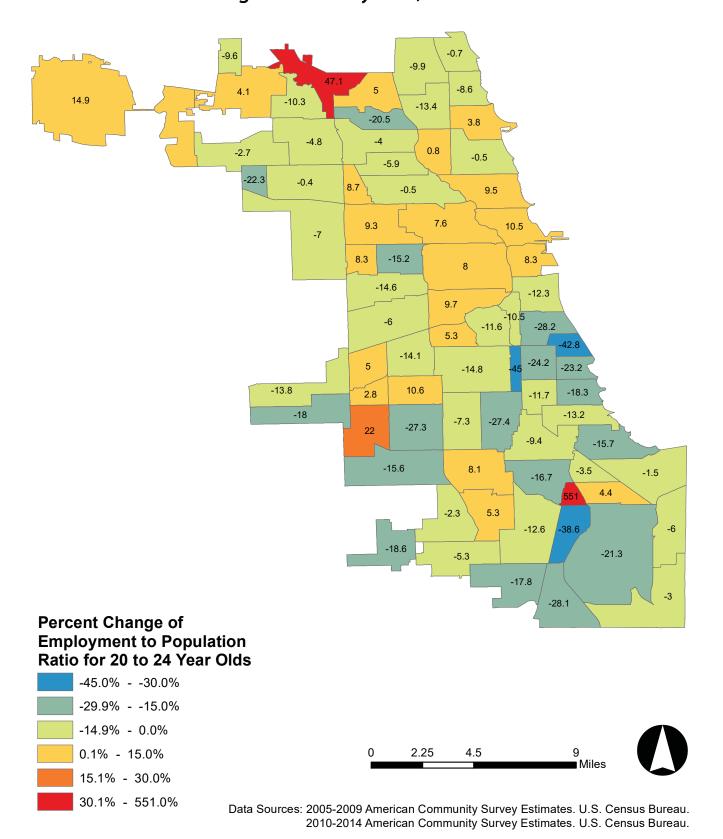
Map 2: Percentage Point Difference of Employment to Population Ratio for 16 to 19 Year Olds by Chicago Community Area, 2009 to 2014



Data Sources: 2005-2009 American Community Survey Estimates. U.S. Census Bureau. 2010-2014 American Community Survey Estimates. U.S. Census Bureau.

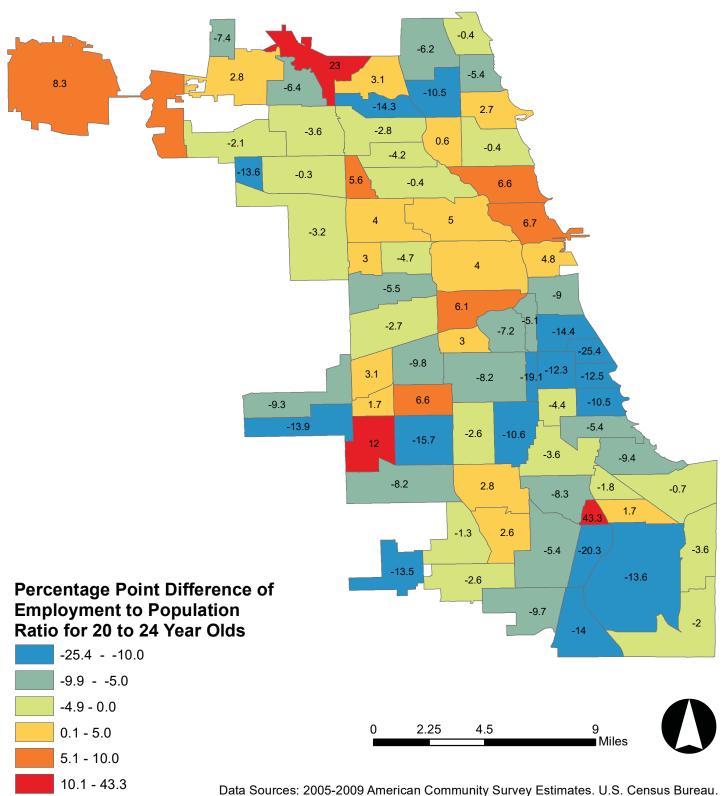


Map 3: Percent Change of Employment to Population Ratio for 20 to 24 Year Olds by Chicago Community Area, 2009 to 2014





Map 4: Percentage Point Difference of Employment to Population Ratio for 20 to 24 Year Olds by Chicago Community Area, 2009 to 2014



Data Sources: 2005-2009 American Community Survey Estimates. U.S. Census Bureau. 2010-2014 American Community Survey Estimates. U.S. Census Bureau.



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Percent Change, 2009 - 2014		20 to 24	-0.7	6.6-	3.8	-13.4	8.0	-0.5	9.5	10.5	9.6-	4.1	-10.3	47.1	5.0	-20.5	-4.8	-4.0	-2.7	-22.3	-0.4	8.7	-5.9	-0.5	9.3	9.7	-7.0	8.3
		16 to 19	-25.8	-13.4	22.0	-68.5	-17.7	-39.0	20.2	-19.3	9.09-	-32.0	-36.2	-23.2	26.1	-21.5	6.0-	-20.8	-55.4	-29.6	-42.0	-4.9	-46.7	-16.7	-38.7	-22.6	-8.5	-66.6
Percentage Point Difference, 2009 - 2014		20 to 24	-0.4	-6.2	2.7	-10.5	9.0	-0.4	9:9	6.7	-7.4	2.8	-6.4	23.0	3.1	-14.3	-3.6	-2.8	-2.1	-13.6	-0.3	5.6	-4.2	-0.4	4.0	5.0	-3.2	3.0
		16 to 19	-7.9	-4.0	4.6	-27.8	-3.6	-16.9	5.5	-4.7	-21.8	-14.1	-13.4	-7.0	5.8	-6.0	-0.2	-5.7	-18.7	-9.7	-13.0	-1.2	-10.7	-4.3	-5.2	-4.8	-1.1	-8.9
Employment to Population Ratios	2014	20 to 24	60.5	56.4	73.6	67.4	77.8	81.2	76.7	70.8	8.69	2.69	55.9	71.7	0.99	55.3	71.7	0.79	73.6	47.5	62.1	9:69	2.99	71.7	46.8	71.1	42.9	39.3
		16 to 19	22.6	25.6	25.3	12.7	16.6	26.4	32.8	19.8	14.1	29.9	23.6	23.2	27.9	21.9	24.5	21.6	15.0	23.0	18.0	23.5	12.3	21.6	8.2	16.3	11.7	4.4
	60	20 to 24	6.09	62.6	70.9	77.8	77.2	81.6	70.0	64.1	77.1	0.79	62.3	48.8	62.8	9:69	75.3	8.69	75.7	61.1	62.3	64.0	6.07	72.0	42.8	66.1	46.1	36.3
	2009	16 to 19	30.5	29.6	20.7	40.5	20.2	43.4	27.3	24.5	35.9	44.0	37.0	30.2	22.1	27.9	24.7	27.2	33.7	32.7	31.0	24.7	23.0	26.0	13.4	21.1	12.8	13.3
4	24	Popula- tion	5715	4449	3212	1661	1745	12988	8320	6675	453	1926	1429	810	1096	3821	4557	3676	2600	696	5958	2248	3824	9689	4433	6445	7934	1712
	20 to 24	Employ- ment	3458	2509	2363	1119	1358	10546	6378	4723	316	1343	662	581	723	2114	3269	2462	1914	460	3697	1565	2551	4585	2075	4585	3400	673
2014	16 to 19	Popula- tion	2830	3108	1189	1012	583	1138	2818	1305	403	1353	1025	647	872	2935	3238	2268	1912	969	5207	1306	1696	2871	3871	2503	6701	1148
		Employ- ment	640	962	301	129	97	301	925	258	57	405	242	150	243	643	792	489	287	137	936	307	208	621	319	409	787	51
	5 24	Popula- tion	5501	4636	4698	2516	1841	11734	10984	6043	468	2495	1988	724	1071	4040	4157	3013	2585	1035	6838	2161	3800	6133	4858	6835	7628	1939
60	20 to 24	Employ- ment	3351	2901	3331	1958	1422	9580	0692	3871	361	1671	1239	353	673	2812	3131	2102	1956	632	4262	1384	2694	4418	2080	4521	3516	704
2009	16 to 19	Popula- tion	2678	3717	1817	1518	899	1291	3053	1828	309	1532	1135	861	1068	3372	3417	2160	2370	805	4651	1788	1969	3716	4158	2567	8099	1540
	16 t	Employ- ment	816	1099	377	615	135	260	834	448	111	674	420	260	236	941	843	288	862	263	1442	442	453	965	559	542	848	205
Community Area Number			1	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26



nge, 4		20 to 24	.2		9.				.3	.5	.2	8:	0.	.2	.2	.7	.3	.2	.7	.7	16	,,	0.		9:	9:	.3	_
Percent Change, 2009 - 2014			-15.2	8.0	-14.6	-6.0	9.7	8.3	-12.3	-10.5	-28.2	-42.8	-45.0	-24.2	-23.2	-11.7	-18.3	-13.2	-15.7	-16.7	-3.5	-1.5	551.0	4.4	-12.6	-38.6	-21.3	-6.0
Perce 200		16 to 19	-70.7	-18.9	-2.7	-25.6	-35.8	1.5	86.0	49.3	-20.0	39.3	0.0	-52.4	19.4	-34.4	-20.2	-42.4	34.7	-67.8	-19.2	-12.1	320.1	-77.0	-72.2	6.99-	-55.4	-33.8
Percentage Point Difference, 2009 - 2014		20 to 24	-4.7	4.0	-5.5	-2.7	6.1	4.8	-9.0	-5.1	-14.4	-25.4	-19.1	-12.3	-12.5	-4.4	-10.5	-5.4	-9.4	-8.3	-1.8	-0.7	43.3	1.7	-5.4	-20.3	-13.6	-3.6
		16 to 19	-13.9	-3.8	-0.3	-3.9	-10.7	0.4	24.3	4.1	-6.3	4.8	0.0	-13.2	2.6	-6.3	-5.5	-7.1	4.0	-10.7	-3.5	-2.5	28.0	-15.6	-12.9	-11.7	-10.4	-9.9
Employment to Population Ratios	2014	20 to 24	26.3	54.4	32.2	41.7	8.89	63.1	63.9	43.6	36.7	33.9	23.3	38.5	41.3	33.4	46.8	35.9	50.4	41.6	49.9	43.6	51.2	41.6	37.4	32.3	50.3	56.6
		16 to 19	5.8	16.4	9.4	11.3	19.2	29.1	52.5	12.3	25.5	17.0	0.0	12.0	15.8	11.9	21.9	9.6	15.7	5.1	14.6	17.8	36.8	4.6	5.0	5.8	8.4	19.4
		20 to 24	30.9	50.4	37.7	44.4	62.7	58.3	72.9	18.7	51.0	59.3	42.4	50.8	53.8	37.9	57.3	41.3	59.7	49.9	51.8	44.3	5 6.7	39.9	42.8	52.6	63.9	60.3
	2009	16 to 19	19.7	20.2	9.7	15.1	30.0	28.7 5	28.2	8.3 4	31.8	12.2	0.0	25.3 5	13.2	18.2	27.4 5	16.7	11.6	15.8 4	18.0	20.3	8.8	20.2	17.8	17.5	18.9	29.3
	24	Popula-	1817	7862 2	3447 9	7553 1	3188 3	3681 2	1245 2	1080	2730 3	516 1	180 0	1451	1693	876 1	3849 2	2147	3692	2094 1	733	2221 2	166	584 2	2936	356 1	1147	1644
	20 to 24	Employ-	477	4277	1111 3	3150 7	2192	2323 3	796	471 1	1001	175 5	42 1	558 1	699	293 8	1802	770	1860 3	871 2	366	969	85 1	243 5	1098	115 3	577	931 1
2014	16 to 19	Popula- I	1352	3553 4	2533	5327 3	1715	1805	284 7	746	1331	493	126	1337	9 069	756 2	2280	2173	3045	1637	432 3	1738	193	561 2	3206	293	666	1413 9
		Employ- ment	78	582	238	009	330	526	149	92 7	339	84	0	161	109	2 06	499	209	477	83	63	310	71	26	159	17	84 9	274
	24	Popula- tion	1978	5233	3070	8565	3558	1919	661	266	2843	312	231	1117	1064	1154	6967	1545	3802	2269	570	2300	792	1046	3179	485	286	1824
6	20 to 24	Employ- ment		2636	1158	3800	2231	1118	482	486	1451	185	86	267	572	437	1702	638	2271	1133	295	1019	21	417	1361	255	631	1099
2009	19	Popula- tion		3189	3168	5674	2180	1323	390	581	1826	188	233	1119	612	815	2298	1551	2571	1801	615	2203	354	733	3851	411	1464	1847
	16 to 19	Employ- ment	345	644	306	859	653	380	110	48	581	23	0	283	81	148	630	259	299	284	111	447	31	148	289	72	276	541
Community Area Number			27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52



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Percent Change, 2009 - 2014		20 to 24	-17.8	-28.1	-3.0	-13.8	8.6	-14.1	5.3	-11.6	-14.8	2.8	9.01	-18.0	22.0	-27.3	-7.3	-27.4	-9.4	-15.6	8.1	-2.3	5.3	-18.6	-5.3	14.9	-8.6
		16 to 19	-75.1	-35.5	-76.8	-12.3	-55.3	-40.0	-51.9	-37.8	-27.0	-24.2	-45.3	-43.6	-23.4	-20.6	-13.8	48.5	-22.9	0.0	-5.2	-25.7	3.8	-35.7	-6.4	-32.5	-15.1
Percentage Point Difference, 2009 - 2014		20 to 24	-9.7	-14.0	-2.0	-9.3	5.7	-9.8	3.0	-7.2	-8.2	1.7	9:9	-13.9	12.0	-15.7	-2.6	-10.6	-3.6	-8.2	2.8	-1.3	2.6	-13.5	-2.6	8.3	-5.4
		16 to 19	-15.8	-3.5	-26.5	-3.4	-20.7	-8.2	-16.9	-8.3	9.9-	6:9-	-12.6	-14.5	-5.6	-4.0	-1.6	3.7	-2.4	0.0	-0.5	6.9-	0.4	-15.8	-1.1	-4.8	-4.8
Employment to Population Ratios	2014	20 to 24	44.5	35.7	63.9	58.2	63.6	59.6	59.3	54.8	47.5	64.7	68.1	63.1	9.99	41.8	33.3	28.0	35.0	44.6	37.3	55.8	50.5	58.9	46.6	63.6	57.5
		16 to 19	5.2	6.4	8.0	24.2	16.7	12.3	15.6	13.8	17.8	21.7	15.3	18.7	18.4	15.4	10.1	11.4	8.2	19.5	8.6	19.9	10.2	28.5	16.1	10.0	27.1
	6	20 to 24	54.1	49.7	65.8	9.79	57.9	69.4	56.3	62.0	55.7	63.0	61.6	77.0	54.6	57.5	36.0	38.6	38.7	52.8	34.5	57.1	47.9	72.4	49.2	55.3	63.0
	2009	16 to 19	21.0	10.0	34.5	27.7	37.5	20.4	32.5	22.1	24.4	28.6	27.9	33.2	24.0	19.4	11.7	7.7	10.6	19.5	10.3	26.7	6.6	44.3	17.2	14.8	32.0
	24	Popula- tion	1959	269	462	2041	1184	3761	1162	8667	3641	1602	3302	1298	2462	4540	2734	2432	2455	3356	3110	1129	2308	1199	2017	992	4153
4	20 to 24	Employ- ment	871	249	762	1188	753	2243	689	1644	1728	1037	2250	819	1640	1899	911	681	098	1496	1159	630	1165	902	636	487	7390
2014	16 to 19	Popula- tion	1868	451	362	2009	872	3272	831	1469	3165	1372	2856	1001	2243	4482	2317	1915	2252	2888	3014	1098	1702	1183	1544	421	2559
		Employ- ment	86	29	29	487	146	401	130	202	563	298	436	204	412	689	233	218	184	564	295	218	174	337	248	42	694
	24	Popula- tion	2502	469	585	2225	1136	3626	1025	2103	3901	1667	3374	1643	1984	4799	3335	2762	2932	3546	4173	1084	1732	1126	1096	1101	4860
6	20 to 24	Employ- ment	1354	233	385	1503	859	2518	577	1304	2173	1050	2078	1265	1083	2761	1199	1066	1134	1872	1439	619	830	815	539	609	3060
2009	19	Popula- tion	2687	351	368	1631	909	3071	1009	1471	3040	886	2722	1269	1998	3573	3335	2492	2292	3124	3913	1179	1360	1266	1270	318	3158
	16 to 19	Employ- ment	292	35	127	451	227	627	328	325	741	283	759	421	479	692	389	191	243	610	404	315	134	561	218	47	1009
Community Area Number		53	54	55	56	57	58	65	09	61	62	63	64	65	99	29	89	69	70	71	72	73	74	75	92	77	

