

How the Coronavirus Recession and Recovery Have Affected Businesses and Jobs in the 100 Largest Metropolitan Areas

Second Quarter of 2020 through Fourth Quarter of 2021

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Initiative for a Competitive Inner City

MARCH 2022

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Acknowledgments

This work was funded by the Ewing Marion Kauffman Foundation. The contents of this publication are solely the responsibility of the Initiative for a Competitive Inner City.

The Business Dynamics Research Consortium: a project of the University of Wisconsin System, Institute for Business and Entrepreneurship, provided the Your-economy Time Series (YTS) data used for this report. Data Axle is the provider of the Licensed Database used to create the Your-economy Time Series (YTS). This research was authorized to use YTS through the Business Dynamics Research Consortium (BDRC) by the UW System's Institute for Business and Entrepreneurship.

Summary

This report summarizes our analysis of the most detailed and comprehensive information about what has happened to businesses and jobs in the nation's 100 largest metropolitan areas from the start of the coronavirus pandemic in the second quarter of 2020 through the fourth quarter of 2021. Our analysis of Your-economy Time Series data shows that:

- In the top 100 metro areas as a whole, both the number of businesses and the number of jobs shrank between the third and fourth quarter of 2021. By the fourth quarter, the number of jobs was at 91 percent of its pre-crisis level and the number of businesses was at 84 percent.
- Businesses of all sizes shed jobs during the fourth quarter of 2021. However, the smallest businesses suffered considerably more than larger ones. In the fourth quarter, businesses with one to four employees had just 79 percent of the jobs they had at the start of the pandemic, while those with 100 or more employees had 97 percent.
- Although businesses owned by people of all large racial/ethnic groups lost jobs during the fourth quarter of 2021, Asian- and Pacific Islander- and Hispanic-/Latino-owned businesses lost jobs more rapidly than Black- and white-owned businesses. From the third quarter to the fourth quarter, the job growth rate was -1.2 percent for Asian- and Pacific Islander-owned businesses, -1.0 percent for Hispanic/Latino-owned businesses, -0.7 percent for Black-owned businesses, and -0.5 percent for white-owned businesses.
- All the key industries in the top 100 metro areas shed jobs during the fourth quarter of 2021. Healthcare was affected least of all industries, declining slightly from 96.4 percent of its pre-crisis employment in the third quarter to 96.1 percent in the fourth. The accommodation and food services industry (including hotels, restaurants, and similar businesses) suffered most while the number of healthcare jobs remained essentially the same in the fourth quarter as in the third quarter.
- [Under-resourced communities](#) (heavily populated urban and suburban areas of concentrated poverty and low income) and other parts of their metropolitan areas suffered nearly equal job declines of about 1 percent each, falling from about 92 percent to about 91 percent of their pre-crisis employment levels.
- Among the top 100 metro areas, Jackson, MS, had the fastest job growth rate (3.0 percent) from the third to the fourth quarter of 2021, while Oxnard-Thousand Oaks-Ventura, CA, had the lowest (a job loss of 2.6 percent). The under-resourced communities of Winston-Salem, NC, enjoyed the most rapid job growth rate (16.2 percent) among all under-resourced communities in the top 100 metro areas between those two quarters.
- The Metro Focus section of this report drills down more deeply into the Los Angeles metro area. From the third to the fourth quarter of 2021, Los Angeles suffered some of the greatest percentage job losses of all top 100 metros in the metro area as a whole, in its under-resourced communities, among its smallest businesses, and among its Black-owned businesses. Declines are most evident in the entertainment industry and among businesses with one to four employees.

Introduction

This report, the third of four quarterly reports, summarizes the key findings of our analysis of the most detailed and comprehensive information about what has happened to businesses and jobs in the nation's 100 largest metropolitan areas during the coronavirus recession and recovery. It tracks changes in the numbers of businesses¹ and jobs for metro areas as a whole. It also provides more specific detail on small, medium-sized, and large businesses; Black-owned and Hispanic- or Latino-owned businesses, [under-resourced communities](#) (heavily populated urban and suburban areas of concentrated poverty and low income) and non-under-resourced communities, and major industries.

A [data dashboard](#) accompanies the report. The dashboard provides detailed, customized information about each of the above business categories for each of the top 100 metros. If you are interested in what has happened to jobs or businesses in a specific business category within a specific metro area, please see the [dashboard](#).

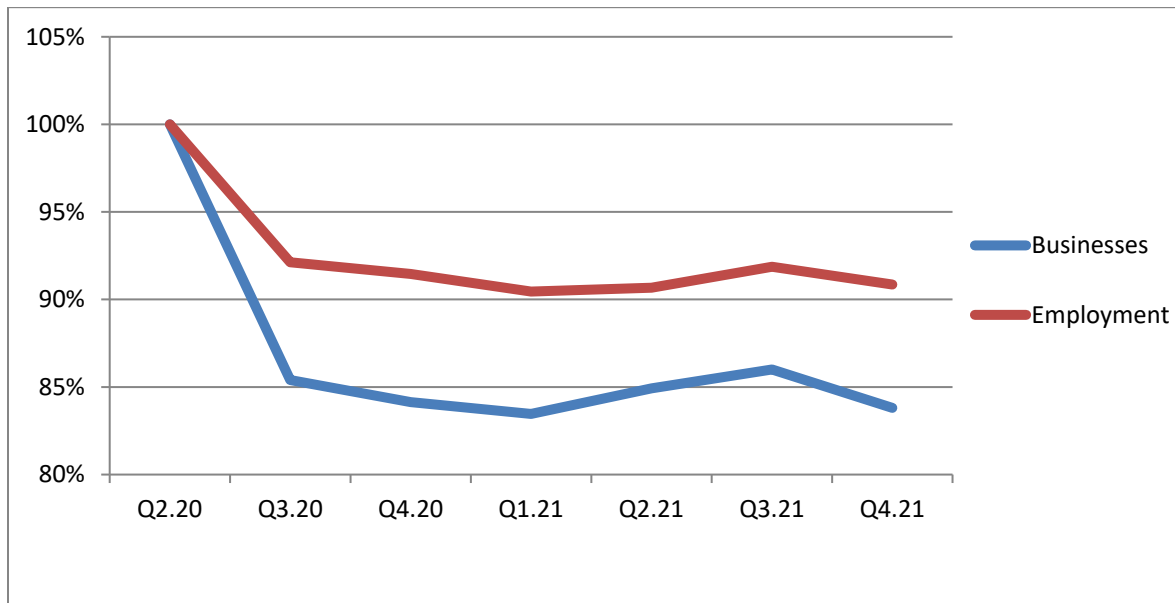
The report and dashboard will be useful tools for policymakers, small business assistance providers, community and economic development professionals, community foundations, researchers, and others who want to know how the recession and recovery have affected businesses and jobs in their metropolitan areas and how they can best target assistance to the businesses and locations that need it most.

Because changes in the number of businesses are generally very similar to changes in employment, the report emphasizes changes in employment and highlights changes in the number of businesses only where they differ notably from changes in employment. Detailed information about changes in the number of businesses is available on the [dashboard](#). Because U.S. employment reached its peak in the second quarter of 2020, prior to the onset of the pandemic's economic impacts, we show employment and businesses in each quarter as a percent of their levels in that quarter.² For more information about our methodology, see the methodology section at the end of the report.

Top 100 Metros Overview: Recovery Stalled for Both Businesses and Jobs

In the top 100 metro areas, the numbers of jobs and businesses suffered declines during the fourth quarter of 2021, possibly due to increasingly severe supply chain constraints, the onset of the Omicron variant of COVID-19, and associated policy efforts. Since the beginning of the pandemic, the top 100 metro areas retained a larger share of their jobs than of their businesses. Between the third and fourth quarters of 2021, the number of business establishments declined by 2.5 percent while employment fell by 1.1 percent. In the fourth quarter, the top 100 metros had 91 percent of their pre-crisis employment but only 84 percent of their businesses.

Figure 1. Businesses and Employment in Top 100 Metros
Percent of businesses and employment in the second quarter of 2020

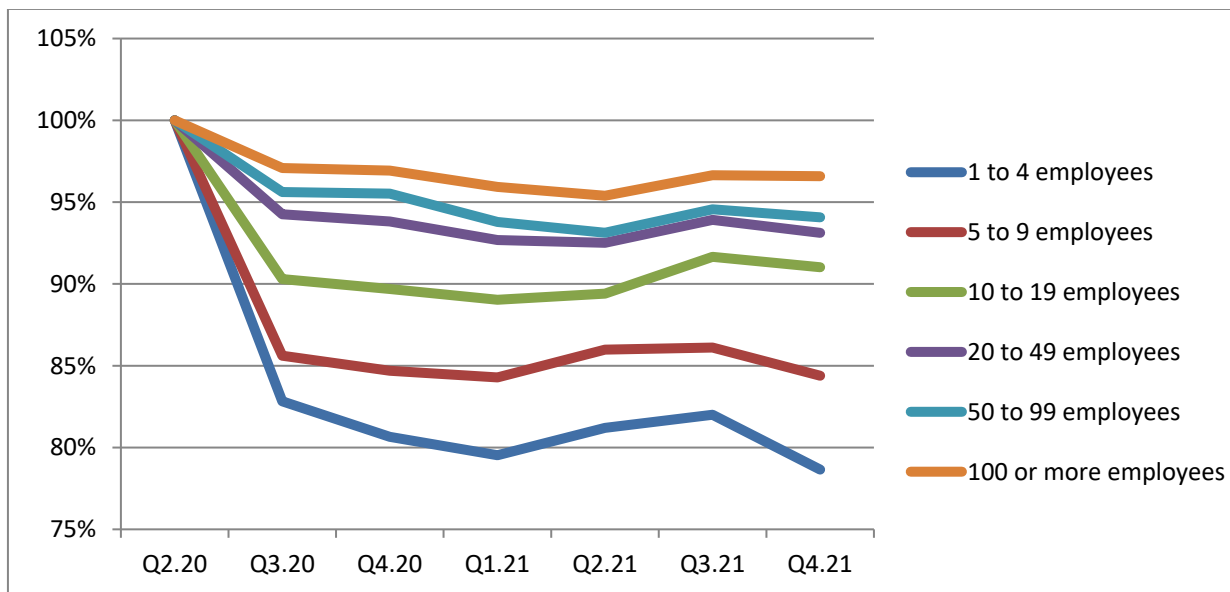


Business Size: Employment Sagged at Businesses of All Sizes but Smaller Businesses Lost the Most

Between the third and fourth quarters of 2021 in the nation's top 100 metros, businesses in all size categories shed jobs. Percentage job losses were inversely related to business size, so that the smaller the business size category the larger the percentage drop in employment.

Employment at businesses with one to four employees fell the most between the third and fourth quarters, falling by 4.1 percent. Employment at businesses with 100 or more employees dropped by only 0.07 percent. In the fourth quarter, businesses with one to four employees had 79 percent of the jobs they had at the beginning of the pandemic, while those with 100 or more employees had 97 percent.

Figure 2. Employment by Business Size in Top 100 Metros
Percent of employment in the second quarter of 2020

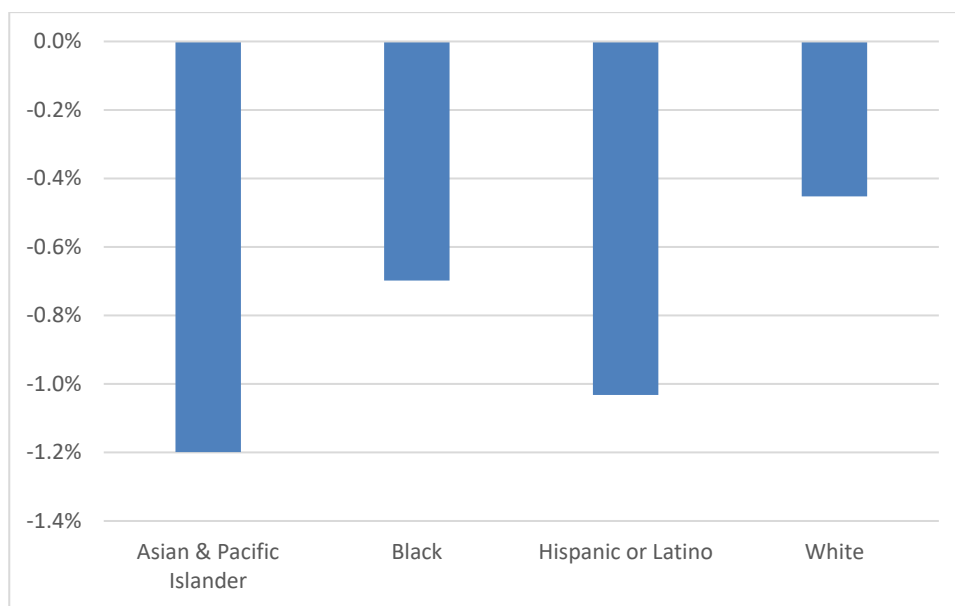


Additional information about job and business trends by business size in each metro area is available on the [dashboard](#).

Race and Ethnicity: Reversal in Job Recovery Was Most Severe in Asian- and Pacific Islander- and Hispanic/Latino-Owned Businesses

Mirroring the overall employment trend in the top 100 metro areas, employment at businesses owned by members of all racial and ethnic groups fell from the third to the fourth quarter of 2021. Employment at Asian- and Pacific Islander- and Hispanic-/Latino-owned businesses fell most sharply, followed by Black- and white-owned businesses. Asian- and Pacific Islander-owned businesses lost 1.2 percent of their jobs, Hispanic-/Latino-owned businesses lost 1.0 percent, Black-owned businesses lost 0.7 percent, and white-owned businesses lost 0.5 percent.

Figure 3. Percent Change in Employment in Asian- and Pacific Islander-, Black-, Hispanic- or Latino-, and White-Owned Businesses in Top 100 Metros, Third Quarter 2021 to Fourth Quarter 2021

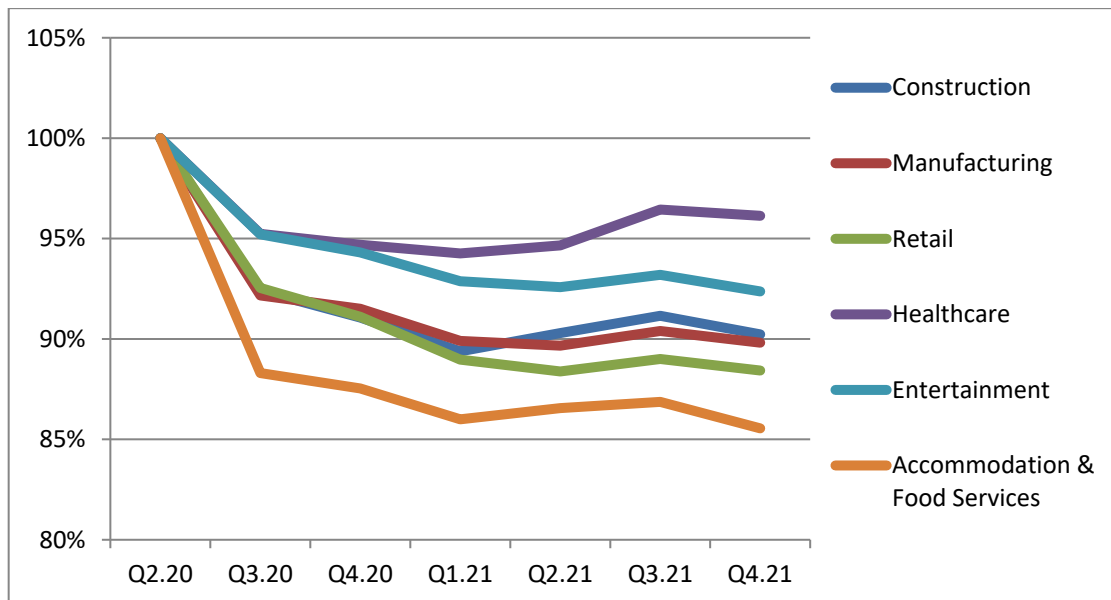


Information about job and business trends for businesses in each metro area by the business owner's race and ethnicity is available on the [dashboard](#).

Industries: All Key Industries Shed Jobs but Accommodation and Food Services Suffered Most

Employment fell in each of the key industries from the third to fourth quarter of 2021. Industries that are generally considered more cyclical (e.g., accommodation and food services, construction, and entertainment) suffered more than others (e.g., healthcare).³ For example, employment in accommodation and food services in the top 100 metros fell by 1.5 percent, while employment in healthcare shrank by just 0.3 percent. Despite its modest job losses in the fourth quarter of last year, healthcare recovered most since the onset of the pandemic, with its fourth quarter employment at 96 percent of its level at the start of the pandemic. Accommodation and food services (at 86 percent) and retail (at 88 percent) recovered least.

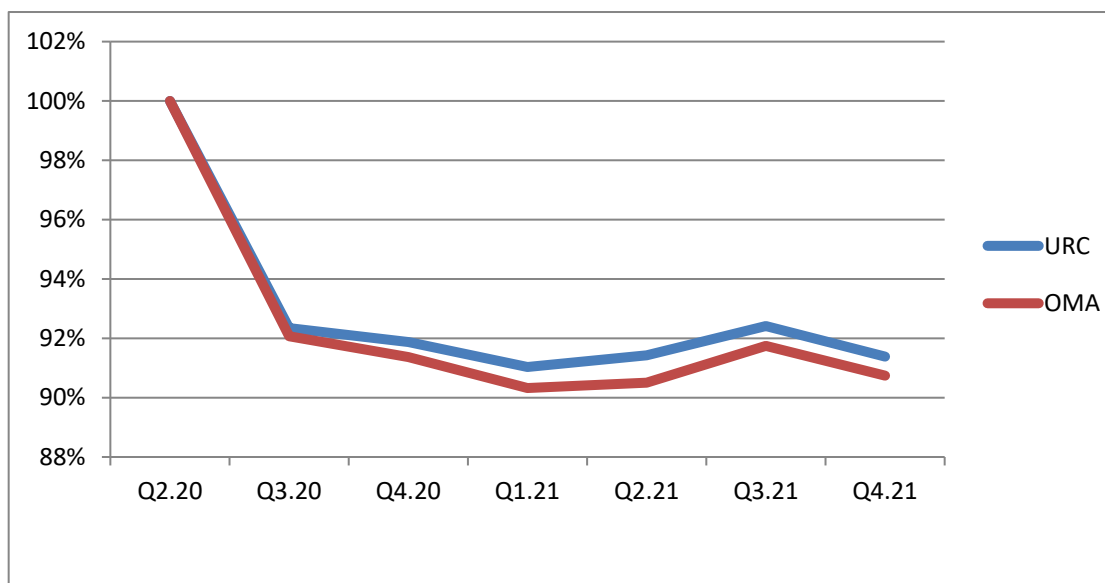
Figure 4. Employment in Selected Industries in Top 10 Metros
Percent of employment in the second quarter of 2020



Communities: Job Losses Were Similar for Under-Resourced Communities and Other Parts of Their Metro Areas (OMA)

In the top 100 metros, under-resourced communities (URCs) and other parts of their metro areas (OMAs) experienced the same rate of job loss from the third to the fourth quarter of 2021. Employment levels in both URCs and OMAs fell by 1.1 percent, reducing total employment in both geographic areas from 92 percent to 91 percent of their pre-pandemic levels.

Figure 5. Employment in Under Resourced Communities (URC) Compared with Other Parts of Their Metro Areas (OMA) in Top 100 Metros
Percent of employment in the second quarter of 2020



Additional information about job and business trends in under-resourced communities and other parts of their metro areas, for each metro area, is available on the [dashboard](#).

Top 100 Metro Rankings

Despite an aggregate loss of employment in the top 100 metros between the third and fourth quarter of 2021, some metro areas fared better than others. Jackson, MS, had the fastest job growth rate (3.0 percent) while Oxnard-Thousand Oaks-Ventura, CA, had the highest rate of job loss (-2.6 percent).

The following tables rank the top 100 metros by their percent change in employment from the third to the fourth quarter of 2021. These rankings are based on job changes for each metro area as a whole and, separately, for each metro area's under-resourced communities, small businesses with one to four employees, and Black- and Hispanic/Latino-owned businesses. Rankings based on percent changes allow for comparison across metros of various sizes and compositions. For comparative purposes, we divide the 100 metros into groups of 25 based on their percentage job recovery, with metro areas that gained jobs most rapidly between the third and fourth quarters of last year ranking in the top 25 and those that gained jobs most slowly ranking in the bottom 25.

Table 1. Total Metro Area Rankings on Employment Improvement, Third Quarter 2021 to Fourth Quarter 2021

Rank	Top 25	Rank	3rd 25
1	Jackson, MS	51	Durham-Chapel Hill, NC
2	Baton Rouge, LA	52	Greenville-Anderson-Mauldin, SC
3	Providence-Warwick, RI-MA	53	Albuquerque, NM
4	Atlanta-Sandy Springs-Roswell, GA	54	Hartford-West Hartford-East Hartford, CT
5	Akron, OH	55	Dallas-Fort Worth-Arlington, TX
6	Tampa-St. Petersburg-Clearwater, FL	56	Allentown-Bethlehem-Easton, PA-NJ
7	Milwaukee-Waukesha-West Allis, WI	57	Boise City, ID
8	Indianapolis-Carmel-Anderson, IN	58	El Paso, TX
9	Harrisburg-Carlisle, PA	59	Greensboro-High Point, NC
10	Augusta-Richmond County, GA-SC	60	Phoenix-Mesa-Scottsdale, AZ
11	Rochester, NY	61	Portland-Vancouver-Hillsboro, OR-WA
12	Toledo, OH	62	Tulsa, OK
13	Winston-Salem, NC	63	Jacksonville, FL
14	Madison, WI	64	Cape Coral-Fort Myers, FL
15	Albany-Schenectady-Troy, NY	65	Ogden-Clearfield, UT
16	Kansas City, MO-KS	66	Boston-Cambridge-Newton, MA-NH
17	Dayton, OH	67	Springfield, MA
18	St. Louis, MO-IL	68	Raleigh, NC
19	Little Rock-North Little Rock-Conway, AR	69	Palm Bay-Melbourne-Titusville, FL
20	McAllen-Edinburg-Mission, TX	70	Oklahoma City, OK
21	Cleveland-Elyria, OH	71	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
22	Buffalo-Cheektowaga-Niagara Falls, NY	72	Provo-Orem, UT
23	Grand Rapids-Wyoming, MI	73	Louisville/Jefferson County, KY-IN
24	Knoxville, TN	74	Las Vegas-Henderson-Paradise, NV
25	Charleston-North Charleston, SC	75	Urban Honolulu, HI
2nd 25		Bottom 25	
26	Memphis, TN-MS-AR	76	Detroit-Warren-Dearborn, MI
27	Columbia, SC	77	New York-Newark-Jersey City, NY-NJ-PA
28	Cincinnati, OH-KY-IN	78	Minneapolis-St. Paul-Bloomington, MN-WI
29	Bakersfield, CA	79	Sacramento--Roseville--Arden-Arcade, CA
30	San Antonio-New Braunfels, TX	80	New Orleans-Metairie, LA
31	Colorado Springs, CO	81	Houston-The Woodlands-Sugar Land, TX
32	Scranton--Wilkes-Barre--Hazleton, PA	82	Charlotte-Concord-Gastonia, NC-SC
33	Salt Lake City, UT	83	Bridgeport-Stamford-Norwalk, CT
34	Richmond, VA	84	New Haven-Milford, CT
35	Spokane-Spokane Valley, WA	85	San Diego-Carlsbad, CA
36	Wichita, KS	86	Miami-Fort Lauderdale-West Palm Beach, FL
37	Syracuse, NY	87	Deltona-Daytona Beach-Ormond Beach, FL
38	Birmingham-Hoover, AL	88	Washington-Arlington-Alexandria, DC-VA-MD-WV
39	Austin-Round Rock, TX	89	Nashville-Davidson--Murfreesboro--Franklin, TN
40	Seattle-Tacoma-Bellevue, WA	90	Virginia Beach-Norfolk-Newport News, VA-NC
41	Pittsburgh, PA	91	Orlando-Kissimmee-Sanford, FL
42	Columbus, OH	92	Des Moines-West Des Moines, IA
43	Omaha-Council Bluffs, NE-IA	93	Fresno, CA
44	Tucson, AZ	94	Riverside-San Bernardino-Ontario, CA
45	Lakeland-Winter Haven, FL	95	Denver-Aurora-Lakewood, CO
46	Chicago-Naperville-Elgin, IL-IN-WI	96	Baltimore-Columbia-Towson, MD
47	Worcester, MA-CT	97	San Francisco-Oakland-Hayward, CA
48	North Port-Sarasota-Bradenton, FL	98	San Jose-Sunnyvale-Santa Clara, CA
49	Chattanooga, TN-GA	99	Los Angeles-Long Beach-Anaheim, CA
50	Stockton-Lodi, CA	100	Oxnard-Thousand Oaks-Ventura, CA

Table 2. Metro Area Rankings on Employment Improvement in Under-Resourced Communities, Third Quarter 2021 to Fourth Quarter 2021

Rank	Top 25	Rank	3rd 25
1	Winston-Salem, NC	51	Wichita, KS
2	Greensboro-High Point, NC	52	Tulsa, OK
3	Providence-Warwick, RI-MA	53	Memphis, TN-MS-AR
4	Minneapolis-St. Paul-Bloomington, MN-WI	54	Birmingham-Hoover, AL
5	Akron, OH	55	El Paso, TX
6	Harrisburg-Carlisle, PA	56	Miami-Fort Lauderdale-West Palm Beach, FL
7	Des Moines-West Des Moines, IA	57	Austin-Round Rock, TX
8	San Antonio-New Braunfels, TX	58	Boise City, ID
9	Toledo, OH	59	Seattle-Tacoma-Bellevue, WA
10	Allentown-Bethlehem-Easton, PA-NJ	60	Knoxville, TN
11	Las Vegas-Henderson-Paradise, NV	61	Deltona-Daytona Beach-Ormond Beach, FL
12	Columbia, SC	62	Phoenix-Mesa-Scottsdale, AZ
13	Madison, WI	63	Bridgeport-Stamford-Norwalk, CT
14	Bakersfield, CA	64	Houston-The Woodlands-Sugar Land, TX
15	Augusta-Richmond County, GA-SC	65	Jacksonville, FL
16	Buffalo-Cheektowaga-Niagara Falls, NY	66	Greenville-Anderson-Mauldin, SC
17	Dayton, OH	67	Albuquerque, NM
18	Spokane-Spokane Valley, WA	68	New York-Newark-Jersey City, NY-NJ-PA
19	Washington-Arlington-Alexandria, DC-VA-MD-WV	69	Hartford-West Hartford-East Hartford, CT
20	Little Rock-North Little Rock-Conway, AR	70	Oklahoma City, OK
21	Durham-Chapel Hill, NC	71	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
22	Colorado Springs, CO	72	Milwaukee-Waukesha-West Allis, WI
23	McAllen-Edinburg-Mission, TX	73	Syracuse, NY
24	Provo-Orem, UT	74	San Diego-Carlsbad, CA
25	Rochester, NY	75	Ogden-Clearfield, UT
2nd 25		Bottom 25	
26	St. Louis, MO-IL	76	Charleston-North Charleston, SC
27	Richmond, VA	77	Detroit-Warren-Dearborn, MI
28	Raleigh, NC	78	Urban Honolulu, HI
29	Boston-Cambridge-Newton, MA-NH	79	Cincinnati, OH-KY-IN
30	Grand Rapids-Wyoming, MI	80	Tampa-St. Petersburg-Clearwater, FL
31	Denver-Aurora-Lakewood, CO	81	Chattanooga, TN-GA
32	Chicago-Naperville-Elgin, IL-IN-WI	82	Omaha-Council Bluffs, NE-IA
33	Springfield, MA	83	Cape Coral-Fort Myers, FL
34	Worcester, MA-CT	84	San Jose-Sunnyvale-Santa Clara, CA
35	Indianapolis-Carmel-Anderson, IN	85	Salt Lake City, UT
36	Baton Rouge, LA	86	Virginia Beach-Norfolk-Newport News, VA-NC
37	Kansas City, MO-KS	87	North Port-Sarasota-Bradenton, FL
38	Tucson, AZ	88	Orlando-Kissimmee-Sanford, FL
39	Lakeland-Winter Haven, FL	89	New Orleans-Metairie, LA
40	Louisville/Jefferson County, KY-IN	90	Fresno, CA
41	Stockton-Lodi, CA	91	Palm Bay-Melbourne-Titusville, FL
42	Cleveland-Elyria, OH	92	Oxnard-Thousand Oaks-Ventura, CA
43	Baltimore-Columbia-Towson, MD	93	Pittsburgh, PA
44	New Haven-Milford, CT	94	Portland-Vancouver-Hillsboro, OR-WA
45	Charlotte-Concord-Gastonia, NC-SC	95	San Francisco-Oakland-Hayward, CA
46	Jackson, MS	96	Atlanta-Sandy Springs-Roswell, GA
47	Sacramento--Roseville--Arden-Arcade, CA	97	Los Angeles-Long Beach-Anaheim, CA
48	Scranton--Wilkes-Barre--Hazleton, PA	98	Albany-Schenectady-Troy, NY
49	Columbus, OH	99	Riverside-San Bernardino-Ontario, CA
50	Dallas-Fort Worth-Arlington, TX	100	Nashville-Davidson--Murfreesboro--Franklin, TN

Table 3. Metro Area Rankings on Employment Improvement for Small Businesses with 1-4 Employees, Third Quarter 2021 to Fourth Quarter 2021

Rank	Top 25	Rank	3rd 25
1	Dayton, OH	51	Ogden-Clearfield, UT
2	Scranton--Wilkes-Barre--Hazleton, PA	52	Columbus, OH
3	Cleveland-Elyria, OH	53	Richmond, VA
4	Knoxville, TN	54	Madison, WI
5	St. Louis, MO-IL	55	Palm Bay-Melbourne-Titusville, FL
6	Toledo, OH	56	Phoenix-Mesa-Scottsdale, AZ
7	Little Rock-North Little Rock-Conway, AR	57	Durham-Chapel Hill, NC
8	Chattanooga, TN-GA	58	Louisville/Jefferson County, KY-IN
9	Columbia, SC	59	Omaha-Council Bluffs, NE-IA
10	Birmingham-Hoover, AL	60	Colorado Springs, CO
11	Augusta-Richmond County, GA-SC	61	Baton Rouge, LA
12	Greenville-Anderson-Mauldin, SC	62	New Haven-Milford, CT
13	Des Moines-West Des Moines, IA	63	Greensboro-High Point, NC
14	McAllen-Edinburg-Mission, TX	64	North Port-Sarasota-Bradenton, FL
15	Jackson, MS	65	Bridgeport-Stamford-Norwalk, CT
16	Buffalo-Cheektowaga-Niagara Falls, NY	66	Lakeland-Winter Haven, FL
17	Charleston-North Charleston, SC	67	Boise City, ID
18	Rochester, NY	68	New York-Newark-Jersey City, NY-NJ-PA
19	Tucson, AZ	69	Houston-The Woodlands-Sugar Land, TX
20	Akron, OH	70	Wichita, KS
21	Memphis, TN-MS-AR	71	New Orleans-Metairie, LA
22	Cincinnati, OH-KY-IN	72	Jacksonville, FL
23	Albuquerque, NM	73	Charlotte-Concord-Gastonia, NC-SC
24	Pittsburgh, PA	74	Minneapolis-St. Paul-Bloomington, MN-WI
25	Salt Lake City, UT	75	Sacramento--Roseville--Arden-Arcade, CA
2nd 25		Bottom 25	
26	Spokane-Spokane Valley, WA	76	Dallas-Fort Worth-Arlington, TX
27	Harrisburg-Carlisle, PA	77	Oklahoma City, OK
28	Kansas City, MO-KS	78	Tulsa, OK
29	Grand Rapids-Wyoming, MI	79	Cape Coral-Fort Myers, FL
30	Milwaukee-Waukesha-West Allis, WI	80	Raleigh, NC
31	Bakersfield, CA	81	Denver-Aurora-Lakewood, CO
32	Nashville-Davidson--Murfreesboro--Franklin, TN	82	Provo-Orem, UT
33	Syracuse, NY	83	Riverside-San Bernardino-Ontario, CA
34	San Antonio-New Braunfels, TX	84	Austin-Round Rock, TX
35	Chicago-Naperville-Elgin, IL-IN-WI	85	Virginia Beach-Norfolk-Newport News, VA-NC
36	Albany-Schenectady-Troy, NY	86	Deltona-Daytona Beach-Ormond Beach, FL
37	El Paso, TX	87	Washington-Arlington-Alexandria, DC-VA-MD-WV
38	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	88	Tampa-St. Petersburg-Clearwater, FL
39	Indianapolis-Carmel-Anderson, IN	89	Urban Honolulu, HI
40	Detroit-Warren-Dearborn, MI	90	Las Vegas-Henderson-Paradise, NV
41	Springfield, MA	91	Baltimore-Columbia-Towson, MD
42	Worcester, MA-CT	92	San Diego-Carlsbad, CA
43	Seattle-Tacoma-Bellevue, WA	93	Miami-Fort Lauderdale-West Palm Beach, FL
44	Hartford-West Hartford-East Hartford, CT	94	San Francisco-Oakland-Hayward, CA
45	Providence-Warwick, RI-MA	95	Fresno, CA
46	Atlanta-Sandy Springs-Roswell, GA	96	Orlando-Kissimmee-Sanford, FL
47	Stockton-Lodi, CA	97	San Jose-Sunnyvale-Santa Clara, CA
48	Allentown-Bethlehem-Easton, PA-NJ	98	Los Angeles-Long Beach-Anaheim, CA
49	Boston-Cambridge-Newton, MA-NH	99	Portland-Vancouver-Hillsboro, OR-WA
50	Winston-Salem, NC	100	Oxnard-Thousand Oaks-Ventura, CA

Table 4. Metro Area Rankings on Employment Improvement in Black-Owned Businesses, Third Quarter 2021 to Fourth Quarter 2021

Rank	Top 25	Rank	3rd 25
1	Orlando-Kissimmee-Sanford, FL	51	Greenville-Anderson-Mauldin, SC
2	New York-Newark-Jersey City, NY-NJ-PA	52	North Port-Sarasota-Bradenton, FL
3	Boston-Cambridge-Newton, MA-NH	53	Tampa-St. Petersburg-Clearwater, FL
4	Allentown-Bethlehem-Easton, PA-NJ	54	San Diego-Carlsbad, CA
5	Spokane-Spokane Valley, WA	55	Richmond, VA
6	Columbia, SC	56	Durham-Chapel Hill, NC
7	Tulsa, OK	57	Phoenix-Mesa-Scottsdale, AZ
8	Seattle-Tacoma-Bellevue, WA	58	Austin-Round Rock, TX
9	Bakersfield, CA	59	Nashville-Davidson--Murfreesboro--Franklin, TN
10	Madison, WI	60	Riverside-San Bernardino-Ontario, CA
11	Dayton, OH	61	Denver-Aurora-Lakewood, CO
12	Wichita, KS	62	Providence-Warwick, RI-MA
13	Toledo, OH	63	Buffalo-Cheektowaga-Niagara Falls, NY
14	Kansas City, MO-KS	64	San Francisco-Oakland-Hayward, CA
15	Salt Lake City, UT	65	Washington-Arlington-Alexandria, DC-VA-MD-WV
16	Palm Bay-Melbourne-Titusville, FL	66	Fresno, CA
17	Winston-Salem, NC	67	Albuquerque, NM
18	Pittsburgh, PA	68	Chattanooga, TN-GA
19	Ogden-Clearfield, UT	69	Milwaukee-Waukesha-West Allis, WI
20	Albany-Schenectady-Troy, NY	70	Atlanta-Sandy Springs-Roswell, GA
21	Jackson, MS	71	Memphis, TN-MS-AR
22	Syracuse, NY	72	Harrisburg-Carlisle, PA
23	Provo-Orem, UT	73	Dallas-Fort Worth-Arlington, TX
24	Grand Rapids-Wyoming, MI	74	Omaha-Council Bluffs, NE-IA
25	St. Louis, MO-IL	75	Cape Coral-Fort Myers, FL
2nd 25		Bottom 25	
26	El Paso, TX	76	Worcester, MA-CT
27	Knoxville, TN	77	New Haven-Milford, CT
28	San Antonio-New Braunfels, TX	78	Little Rock-North Little Rock-Conway, AR
29	New Orleans-Metairie, LA	79	Detroit-Warren-Dearborn, MI
30	Charleston-North Charleston, SC	80	Miami-Fort Lauderdale-West Palm Beach, FL
31	Colorado Springs, CO	81	Lakeland-Winter Haven, FL
32	Birmingham-Hoover, AL	82	Scranton--Wilkes-Barre--Hazleton, PA
33	McAllen-Edinburg-Mission, TX	83	Jacksonville, FL
34	Stockton-Lodi, CA	84	Oklahoma City, OK
35	Urban Honolulu, HI	85	Raleigh, NC
36	Sacramento--Roseville--Arden-Arcade, CA	86	Baltimore-Columbia-Towson, MD
37	Des Moines-West Des Moines, IA	87	Springfield, MA
38	Indianapolis-Carmel-Anderson, IN	88	Charlotte-Concord-Gastonia, NC-SC
39	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	89	Los Angeles-Long Beach-Anaheim, CA
40	Bridgeport-Stamford-Norwalk, CT	90	Oxnard-Thousand Oaks-Ventura, CA
41	Greensboro-High Point, NC	91	Cleveland-Elyria, OH
42	Chicago-Naperville-Elgin, IL-IN-WI	92	Virginia Beach-Norfolk-Newport News, VA-NC
43	Tucson, AZ	93	Minneapolis-St. Paul-Bloomington, MN-WI
44	Columbus, OH	94	Akron, OH
45	Rochester, NY	95	Augusta-Richmond County, GA-SC
46	Baton Rouge, LA	96	San Jose-Sunnyvale-Santa Clara, CA
47	Cincinnati, OH-KY-IN	97	Las Vegas-Henderson-Paradise, NV
48	Houston-The Woodlands-Sugar Land, TX	98	Deltona-Daytona Beach-Ormond Beach, FL
49	Portland-Vancouver-Hillsboro, OR-WA	99	Boise City, ID
50	Hartford-West Hartford-East Hartford, CT	100	Louisville/Jefferson County, KY-IN

Table 5. Metro Area Rankings on Employment Improvement in Hispanic- or Latino-Owned Businesses, Third Quarter 2021 to Fourth Quarter 2021

Rank	Top 25	Rank	3rd 25
1	Baton Rouge, LA	51	Akron, OH
2	Chattanooga, TN-GA	52	Tulsa, OK
3	Augusta-Richmond County, GA-SC	53	Minneapolis-St. Paul-Bloomington, MN-WI
4	Nashville-Davidson--Murfreesboro--Franklin, TN	54	Denver-Aurora-Lakewood, CO
5	Columbus, OH	55	Dallas-Fort Worth-Arlington, TX
6	Charleston-North Charleston, SC	56	Houston-The Woodlands-Sugar Land, TX
7	Dayton, OH	57	Washington-Arlington-Alexandria, DC-VA-MD-WV
8	Jackson, MS	58	Cape Coral-Fort Myers, FL
9	Springfield, MA	59	Riverside-San Bernardino-Ontario, CA
10	Scranton--Wilkes-Barre--Hazleton, PA	60	New York-Newark-Jersey City, NY-NJ-PA
11	Wichita, KS	61	Richmond, VA
12	Columbia, SC	62	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
13	Salt Lake City, UT	63	Detroit-Warren-Dearborn, MI
14	Providence-Warwick, RI-MA	64	Cleveland-Elyria, OH
15	Cincinnati, OH-KY-IN	65	Oklahoma City, OK
16	Ogden-Clearfield, UT	66	Raleigh, NC
17	Toledo, OH	67	Las Vegas-Henderson-Paradise, NV
18	Albany-Schenectady-Troy, NY	68	Deltona-Daytona Beach-Ormond Beach, FL
19	Albuquerque, NM	69	Colorado Springs, CO
20	Seattle-Tacoma-Bellevue, WA	70	San Francisco-Oakland-Hayward, CA
21	Rochester, NY	71	Allentown-Bethlehem-Easton, PA-NJ
22	Bakersfield, CA	72	San Jose-Sunnyvale-Santa Clara, CA
23	St. Louis, MO-IL	73	Jacksonville, FL
24	Syracuse, NY	74	Durham-Chapel Hill, NC
25	Greenville-Anderson-Mauldin, SC	75	Tampa-St. Petersburg-Clearwater, FL
2nd 25		Bottom 25	
26	Birmingham-Hoover, AL	76	Los Angeles-Long Beach-Anaheim, CA
27	Stockton-Lodi, CA	77	Urban Honolulu, HI
28	El Paso, TX	78	Lakeland-Winter Haven, FL
29	Little Rock-North Little Rock-Conway, AR	79	Buffalo-Cheektowaga-Niagara Falls, NY
30	Tucson, AZ	80	Omaha-Council Bluffs, NE-IA
31	New Orleans-Metairie, LA	81	Indianapolis-Carmel-Anderson, IN
32	Pittsburgh, PA	82	Winston-Salem, NC
33	Knoxville, TN	83	Madison, WI
34	Hartford-West Hartford-East Hartford, CT	84	Boston-Cambridge-Newton, MA-NH
35	San Antonio-New Braunfels, TX	85	Fresno, CA
36	Des Moines-West Des Moines, IA	86	Baltimore-Columbia-Towson, MD
37	Atlanta-Sandy Springs-Roswell, GA	87	Memphis, TN-MS-AR
38	McAllen-Edinburg-Mission, TX	88	Louisville/Jefferson County, KY-IN
39	Phoenix-Mesa-Scottsdale, AZ	89	Bridgeport-Stamford-Norwalk, CT
40	Milwaukee-Waukesha-West Allis, WI	90	Provo-Orem, UT
41	Palm Bay-Melbourne-Titusville, FL	91	Orlando-Kissimmee-Sanford, FL
42	Worcester, MA-CT	92	Oxnard-Thousand Oaks-Ventura, CA
43	Grand Rapids-Wyoming, MI	93	Spokane-Spokane Valley, WA
44	Virginia Beach-Norfolk-Newport News, VA-NC	94	New Haven-Milford, CT
45	Boise City, ID	95	Harrisburg-Carlisle, PA
46	North Port-Sarasota-Bradenton, FL	96	Charlotte-Concord-Gastonia, NC-SC
47	San Diego-Carlsbad, CA	97	Miami-Fort Lauderdale-West Palm Beach, FL
48	Austin-Round Rock, TX	98	Portland-Vancouver-Hillsboro, OR-WA
49	Kansas City, MO-KS	99	Greensboro-High Point, NC
50	Chicago-Naperville-Elgin, IL-IN-WI	100	Sacramento--Roseville--Arden-Arcade, CA

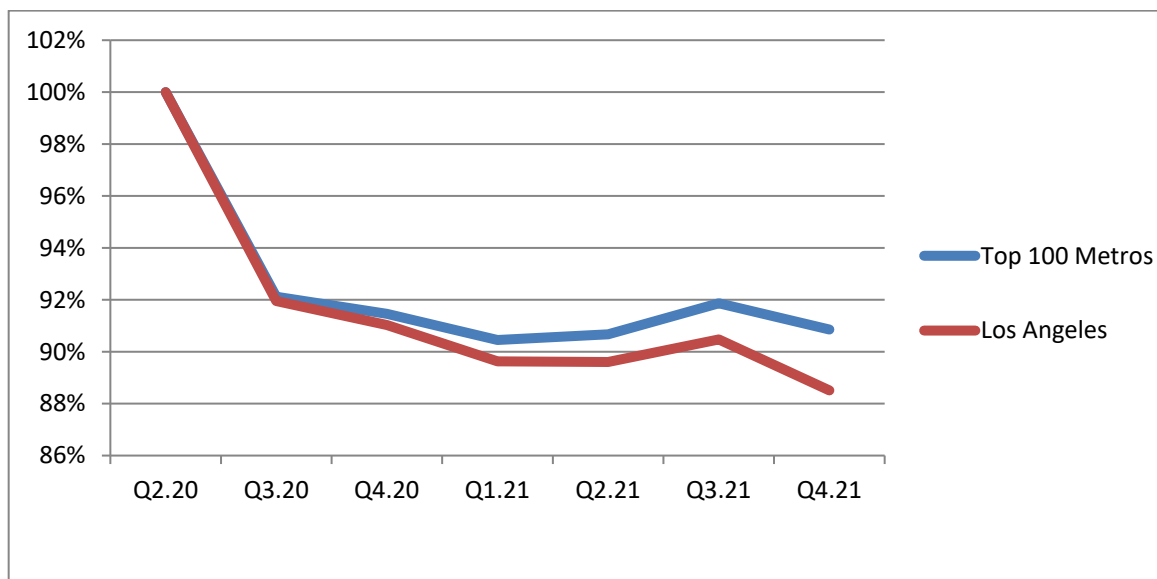
Metro Focus: Los Angeles

For each quarter in this report series, one of the top 100 metros is selected for a deeper evaluation using data available from our data [dashboard](#). This is not intended to be an exhaustive analysis of a metro area but merely an example of some of the key results that can be found using data from the [dashboard](#).

From the third to the fourth quarter of 2021, the Los Angeles-Long Beach-Anaheim, CA, metropolitan area (“Los Angeles”) suffered employment losses across a number of important dimensions. It was ranked 99th in total metro area job growth (-2.2 percent), 97th in under-resourced community job growth (-2.9 percent), 98th in job growth in businesses with one to four employees (-6.4 percent), and 89th in job growth in Black-owned businesses (-2.6 percent).

From the beginning of the pandemic through the end of 2020, Los Angeles’ total employment losses mirrored the average for all top 100 metros. Yet, over the four quarters of 2021, these paths significantly diverged, with Los Angeles recovering to only 89 percent of its pre-crisis employment level by the fourth quarter of 2021. In contrast, the top 100 metro areas as a whole recovered to 92 percent of their pre-crisis employment level in the third quarter of last year but fell back to 91 percent in the fourth quarter.

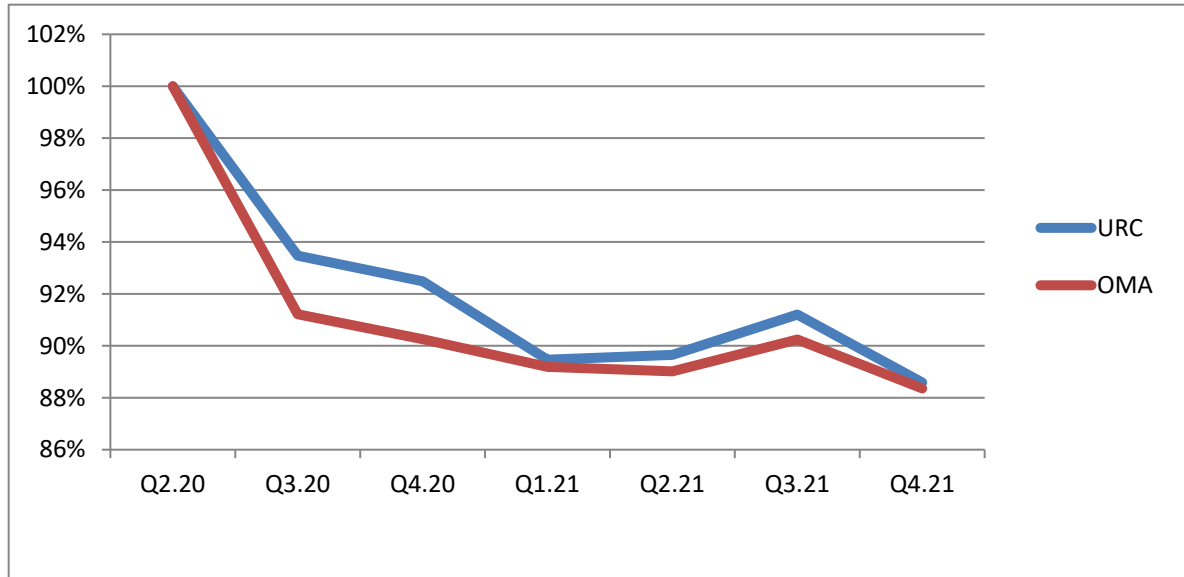
Figure 6. Employment in Los Angeles Compared with Top 100 Metros
Percent of employment in the second quarter of 2020



From the third quarter of 2020 through the third quarter of 2021, Los Angeles' under-resourced communities (URC) fared better in terms of employment loss and stabilization than the other parts of the metro area (OMA). Yet from the third to the fourth quarter of 2021, URC employment fell at a sharper rate, so that by the end of the fourth quarter jobs in both its URC and OMA were at an equal percentage (88 percent) of their pre-crisis levels.

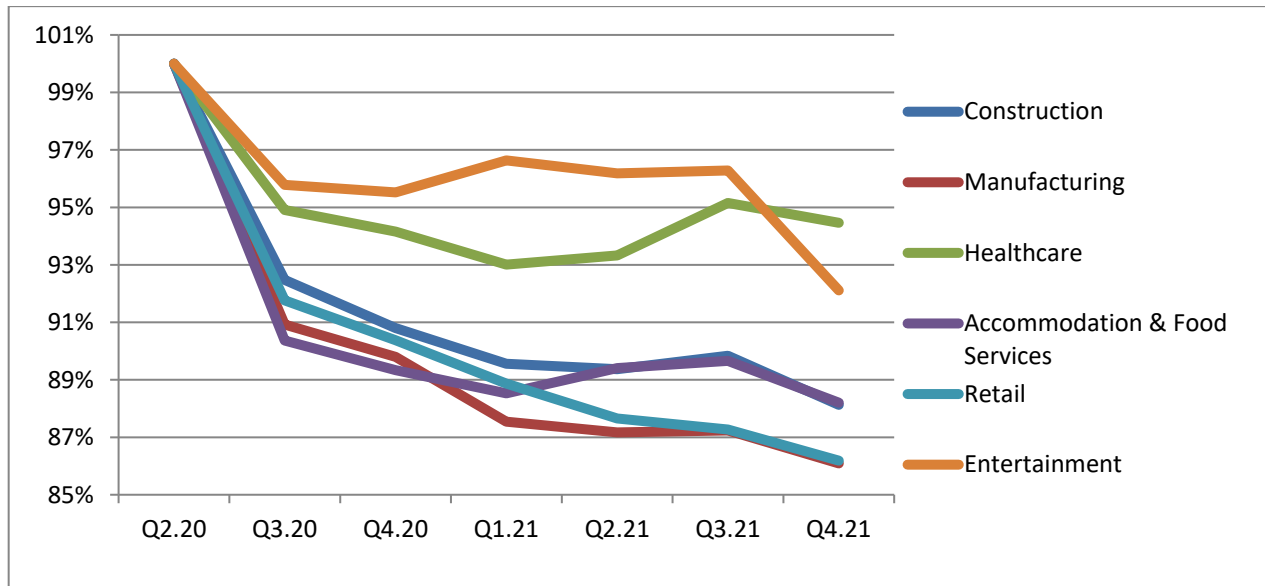
Figure 7. Los Angeles' Employment in its Under-Resourced Communities (URC) Compared with Other Parts of the Metro Area (OMA)

Percent of employment in the second quarter of 2020



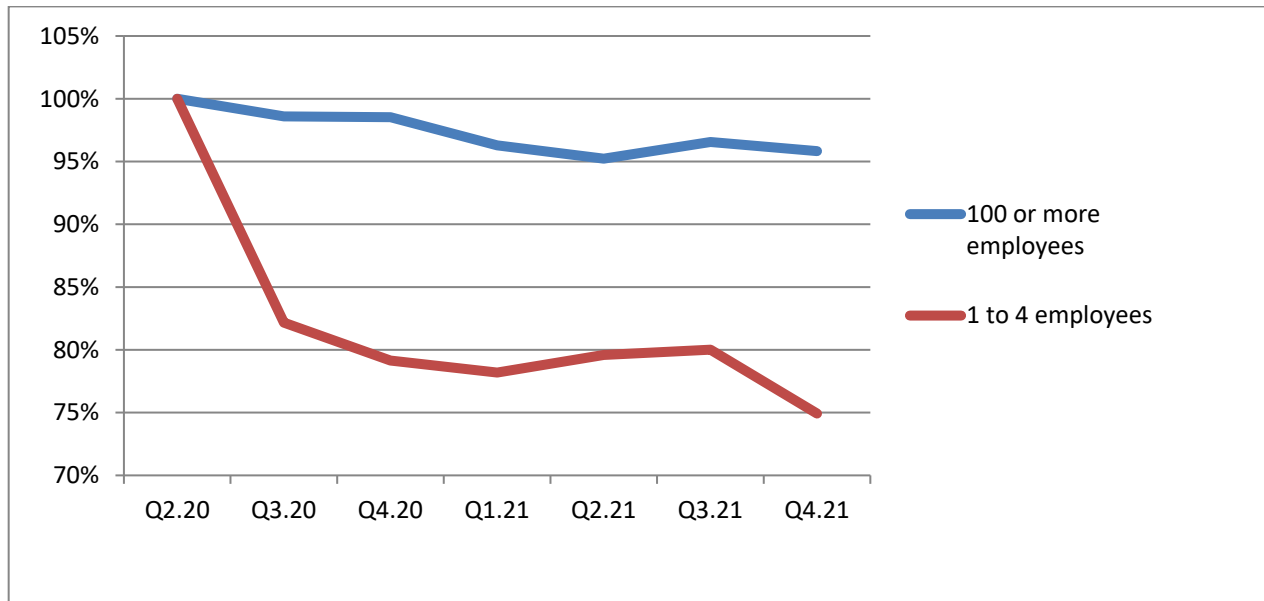
The drop in Los Angeles' employment from the third to the fourth quarter of 2021 was seen in each of the metro area's key industries. However, job losses were most severe in the entertainment industry, whose employment fell from 96 percent of its pre-crisis level in the third quarter of 2021 to 92 percent in the fourth quarter. From the start of the pandemic through the third quarter of 2020, the entertainment industry enjoyed the strongest recovery of all key industries in Los Angeles. However, after the employment losses of the fourth quarter, healthcare showed the strongest recovery over the course of the pandemic.

Figure 8. Employment in Selected Industries in Los Angeles
Percent of employment in the second quarter of 2020



Perhaps the most important contributor to recent job losses in Los Angeles was the decline in jobs in the smallest businesses. Employment in businesses with one to four employees fell from 80 percent of its pre-crisis employment level in the third quarter to 75 percent in the fourth quarter. In contrast, employment in Los Angeles' largest businesses – those with 100 or more employees – dipped only slightly, from 97 percent to 96 percent of its pre-crisis level.

Figure 9. Employment in the Smallest Businesses (1-4 employees) and Largest Businesses (100+ employees) in Los Angeles
Percent of employment in the second quarter of 2020



Methodology

Data Axle (formerly Infogroup) has granted exclusive use of its historical dataset on a quarterly basis to ICIC and BDRC in support of this project. Data Axle's dataset contains interview and survey data from more than 71 million business establishments each quarter, including the approximately 16 million verified establishments currently active or intent on conducting commercial activity in the economy.

Each quarter, Data Axle verifies and updates approximately 6 million of these records. All verified establishments are assembled into a time-series database (Your-economy Time Series or YTS).⁴ BDRC has developed sophisticated econometric models to translate this 'sample' of 6 million records into estimates of the activities and employment changes of the approximately 10 million establishments not contacted by Data Axle during the quarter. BDRC then consolidates all quarterly and annual records from each establishment in the economy, accounting for any up-dates to Infogroup records, in order to create the master dataset that powers the dashboard and enables tailored research services.

Endnotes

¹ In this report and the accompanying dashboard, a “business” means a business establishment, an individual location where business is conducted. We measure the number of establishments and the number of jobs in those establishments. Nearly all small establishments are one-location businesses and most large establishments are branches or corporate headquarters. For more information, see the methodology section at the end of this report.

² This benchmarking to the second quarter of 2020 allows comparison of changes across groups with widely varying sizes. It also enables easy examination of change patterns between groups. The data clearly show pre-pandemic aggregate employment and establishment growth into the second quarter of 2020, despite early indications during that quarter that the COVID-19 pandemic was rapidly creating economic uncertainty. We believe this continued growth, despite emerging warnings, is due to inertia in business planning and execution. For example, it commonly takes months if not years to plan a business creation, expansion, or relocation project, which can involve significant investments of monetary and reputational capital. Thus, it may take weeks or months of new contradictory information to cancel or reverse such plans.

³ Accommodation and food services includes traveler accommodations (e.g., hotels, B&Bs, casinos), rooming and boarding houses, restaurants and other eating places, food contractors and caterers, alcoholic drinking places, and RV parks and campgrounds.

⁴ See <https://youreconomy.org>.