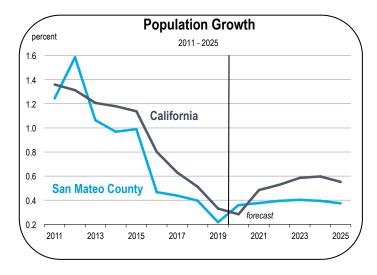
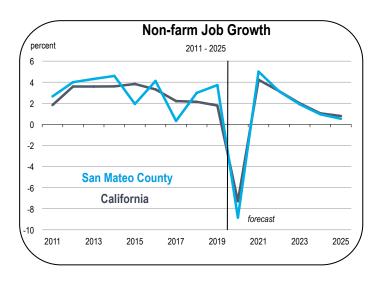
#### **Forecast Summary**

- It is estimated that an average of 34,000 to 42,000 jobs will be lost in San Mateo County during 2020. Job losses will be heavy in the first half of the year.
- Employment losses will be largest in leisure services, professional business services, transportation and warehousing, and retail.
- The unemployment rate averaged 2 percent in 2019. It will average between 6 percent and 8 percent for the 2020 calendar year.
- The San Mateo County population is expected to grow slowly during the 2020-2025 forecast period.
- Housing production will decline in 2020 but should rebound in 2021 and expand in 2022.
- Home prices are not expected to change much in 2020 or 2021.

#### Job Growth

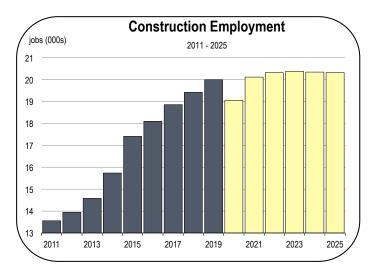
- Total employment in San Mateo County will decline between 6 and 8 percent in 2020. This is an annual average change from 2019.
- In 2021, the county is expected to re-gain many of the jobs lost during the Coronavirus Recession.

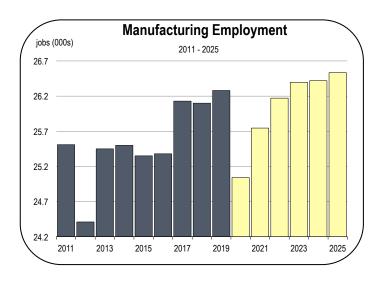


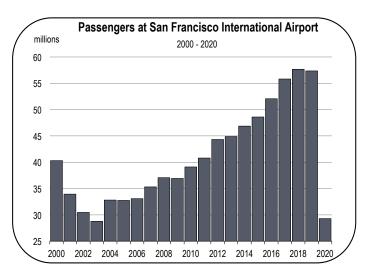


#### **Construction Employment**

- The construction sector is expected to lose 750 to 1,000 jobs in 2020.
- Most California construction activity was deemed non-essential for several weeks in March and April, leading to significant construction layoffs that average down total employment in 2020.
- Construction employment will expand in 2021 and may return to pre-recession levels relatively quickly.







#### **Manufacturing Employment**

- In San Mateo County, the manufacturing industry is dominated by two sectors: biotech manufacturing and computer/semiconductor manufacturing.
- Genentech accounts for about 40 percent of all manufacturing jobs in the county.
- Manufacturing employment is expected to fall by more than 1,000 jobs in 2020.
- Manufacturing activity is forecast to rebound sharply in 2021 but may take several years to return to pre-recession levels.

### **Transportation and Warehousing Employment**

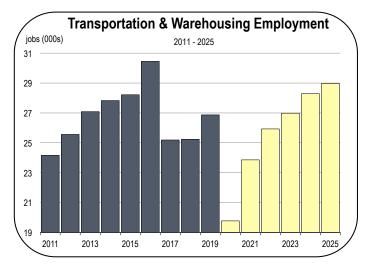
- More than half of all transportation jobs in San Mateo County are at SFO.
- Passenger traffic through SFO declined by more than 90 percent in March and April of 2020, but began to increase very slowly

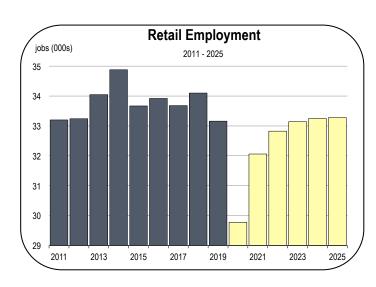
as travel restrictions were eased and business activity started to resume. The total number of passengers in 2020 is expected to be half of the passenger traffic of 2019.

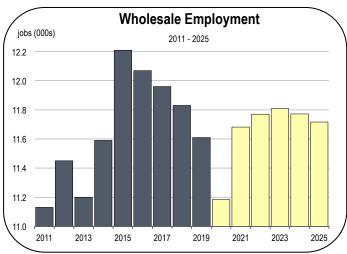
- A substantial number of San Mateo County transportation jobs are in delivery companies like FedEx, UPS, and Instacart. Delivery firms hired large numbers of workers during the second quarter of 2020, and may be among the few corners of the labor market to expand during the entire 2020 calendar year.
- Overall transportation and warehousing employment is expected to expand sharply in 2021 and 2022 and eventually surpass prepandemic levels.

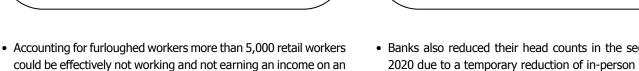
### **Retail Trade Employment**

- The retail sector is expected to lose more than 3,000 jobs in 2020 on an annual average basis.
- Many national retail chains chose to furlough their employees rather than lay them off completely, and furloughed workers are not considered to be unemployed. This is a technical detail that will mask the true number of work stoppages in the retail sector.









 Retail trade jobs will gradually return after social distancing protocols are lifted in a sustained way, but it is unclear if overall employment will return to pre-recession numbers.

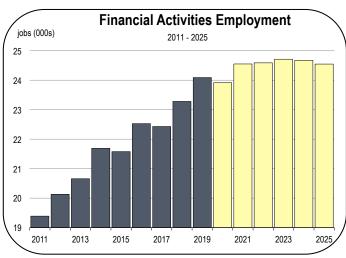
### Wholesale Trade Employment

annual average basis in 2020.

- Wholesale trade employment is expected to fall by 3 to 4 percent on an annual average basis in 2020.
- Prior to the recession, consolidation within the wholesale trade industry led to persistent reductions in workers.
- Consolidation is likely to continue after the pandemic has been contained, preventing the wholesale trade sector from gaining a substantial number of new jobs during the forecast period.

### **Financial Activities Employment**

- · Virtually all of the financial activities industry had been classified as essential, but substantial job declines are expected this year because many employers closed, committing their employees to shelter-in-place for health reasons.
- The most prominent losses are expected in real estate sales and lending although the SBA PPP program boosted lending substantially in April and early May.
- · Information on home listings through April shows that there are far fewer homes on the market than there were last year, and there is far less interest from potential buyers. This should translate into fewer home sales, reducing the need for real estate agents and mortgage brokers.

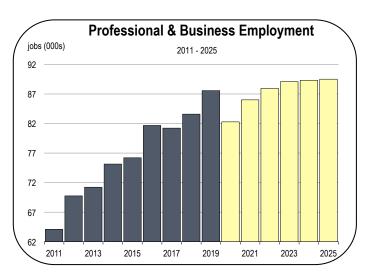


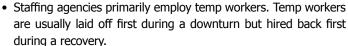
- · Banks also reduced their head counts in the second guarter of 2020 due to a temporary reduction of in-person branch visits.
- Asset management is not expected to lose a significant number of jobs during or after the lockdowns.
- Financial Activities companies may not return to the employment totals that were observed before the Coronavirus Recession.

#### **Professional and Business Services Employment**

- The professional and business services industry has a diverse array of subsectors, and each will be impacted differently during the recession and recovery phases of 2020 and 2021.
- Jobs in corporate security and building maintenance declined substantially during the shutdowns but may rebound at office and industrial buildings with repopulating employment.
- Staffing agencies were characterized by very significant losses during the contraction, but should bounce back quickly once the economy begins to expand again.

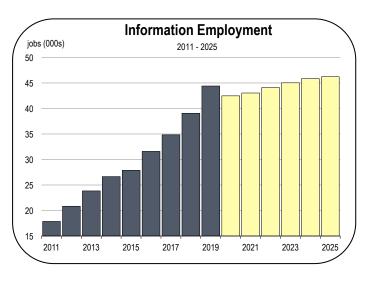
Financial Activities Sub-Sectors 2019	Jobs in Subsector (000s)	Subsector's Share of Overall Industry
Investment Management	6.8	28.2%
Banks	6.5	27.0%
Real Estate	4.6	19.1%
Insurance	3.4	14.1%
Rental and Leasing Services	2.8	11.6%





- There have been mixed outcomes at scientific research firms.
   Some were in essential functions and remained employed through the recession and recovery. These included bioscience, military research, and healthcare technology. But some jobs in laboratory settings were put on hold and workers were either laid off or furloughed.
- Aside from security, maintenance, staffing agencies, and scientific research labs, most subsectors of the professional business services industry were able to operate remotely and were less affected by the economic downturn.
- By 2022, jobs in the professional and business services sector are expected to largely be restored.

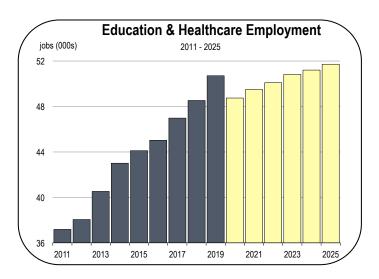
Professional & Business Services Sub-Sectors 2019	Jobs in Subsector (000s)	Subsector's Share of Overall Industry
Scientific Research	22.8	26.0%
Custom IT Services	17.1	19.5%
Building Maintenance	7.6	8.7%
Corporate Headquarters	7.3	8.3%
Staffing Agencies	6.8	7.8%
Accounting & Bookkeeping	3.8	4.3%
Business Consulting	3.6	4.1%
Marketing and Advertising	3.4	3.9%
Corporate Security	3.0	3.4%
Law	3.0	3.4%
Engineering & Architecture	2.9	3.3%
Other	6.3	7.2%



#### **Information Employment**

- In San Mateo County, the information sector is dominated by software publishers like Oracle, as well as data and Internet service companies like YouTube.
- Most San Mateo software and Internet jobs are in publicly-traded companies, but job creation is more prolific in startups that rely on venture capital and other private funding.
- In 2019, Venture Capital deals surpassed \$32 billion for software and Internet firms, fueling a continuation of very rapid job growth in San Mateo County.
- Telecommunications jobs were classified as essential and these workers largely remained employed throughout the recession.
- Many newspaper, magazine, and TV/radio workers were allowed to remain in their jobs, but advertising revenues shrank with the rest of the economy, giving employers little choice but to issue layoff notices.
- Job growth in software and Internet firms will be slow in 2021 and 2022 because many of these firms were not yet turning a profit before the Coronavirus Recession began, which could lead

Information Sub-Sectors 2019	Jobs in Subsector (000s)	Subsector's Share of Overall Industry
Internet & Data Services	26.0	58.4%
Software Publishers	12.2	27.4%
Telecommunications	1.4	3.1%
Movie / TV / Music Recording	1.2	2.7%
Newspaper / Magazine / Book Publishers	0.6	1.3%
Other	3.1	7.0%



to cautious hiring at these firms, pending how business conditions evolve in 2021 and 2022.

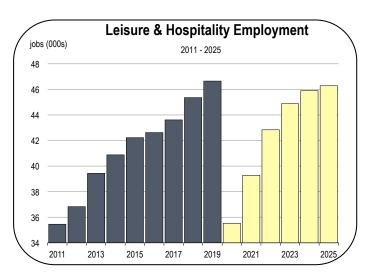
 Most other subsectors of the information industry are in longterm patterns of decline and will not create may jobs during the forecast period.

#### **Private Education and Healthcare Employment**

- There were 29,000 healthcare jobs in San Mateo County in 2019.
- Healthcare jobs were recession proof during the 2008-2009 financial crisis. However, some non-essential medical offices have had to close, and hospitals are reducing employment levels because resources are not being utilized as envisioned to support Coronavirus patients.
- There were approximately 12,000 social assistance jobs in 2019, including industries like childcare, housing shelters, and nonmedical care for senior citizens.
- There were also 9,000 jobs in private schools and colleges, tutoring services, vocational schools, and other educational organizations.
- Jobs in social assistance and education were mostly classified as essential. Nevertheless, there were layoffs at institutions with revenue shortfalls.

#### Leisure and Hospitality Employment

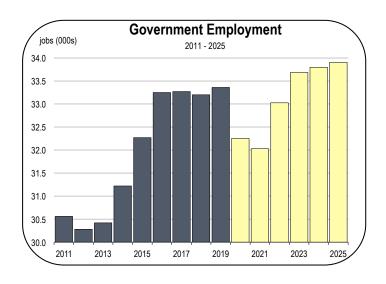
- The leisure and hospitality industry was devastated by the shutdown more than any other sector of the labor market.
- In 2019, San Mateo County had 40,000 jobs in restaurants, hotels, and bars. Our research indicates that most were laid off in the months of March and April.

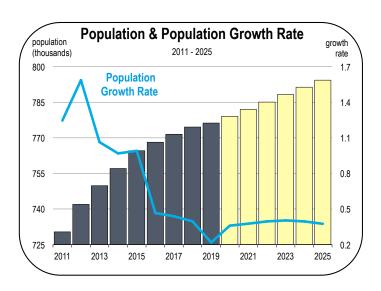


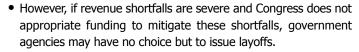
- San Mateo also had 6,000 jobs in entertainment and recreation, including things like fitness centers, museums, and performing arts venues. Many of these organizations will remain closed through the end of 2020 and potentially into 2021.
- Employment levels in the leisure and hospitality sector may not fully be restored to pre-recession levels until late in the forecast period.

#### **Government Employment**

- Government agencies are expected to lose revenue from taxes and fees in 2020, and these revenue shortfalls will likely persist into 2021 and 2022.
- When government agencies need to reduce expenditures on salaries, many workers are expected to be given unpaid furlough days that are distributed throughout the year, and many staffing reductions could be the result of hiring freezes rather than layoffs.

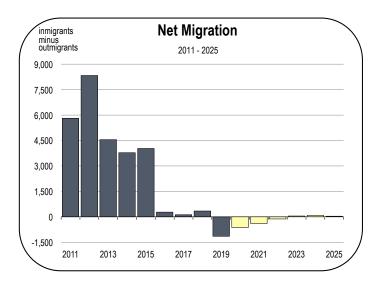


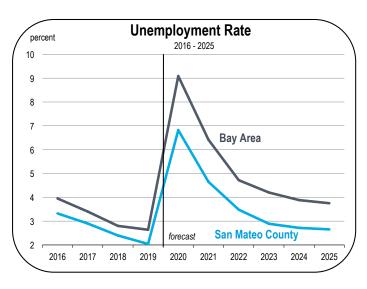




#### **Population Growth**

- The San Mateo County population is expected to grow more slowly than the Bay Area average during the 2020-2025 forecast period.
- Out-migrants exceeded in-migrants to San Mateo County in 2019 though positive net migration had been insignificant since 2016. Relocations out of the county have been to areas with more affordable housing.
- Net migration will not be a major factor in population growth.
   During the 2020-2025 forecast period, equal numbers of residents are expected to move into and out of the county.
- The population will increase at an annual average rate of 0.4 percent per year from 2020 to 2025.

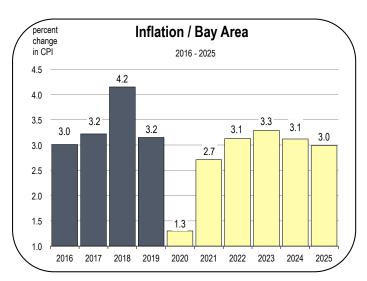




 By 2025 the San Mateo County population will surpass 790,000 residents.

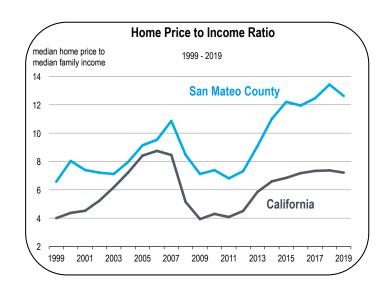
#### **Unemployment and Inflation Rates**

- The unemployment rate in San Mateo County averaged 2.0 percent in 2019, which was below the composite rate for the Bay Area.
- The unemployment rate is expected to average between 6 and 8 percent for the 2020 calendar year.
- The unemployment rate is expected to remain elevated for several years, but is likely to improve more quickly than after the 2008-2009 recession.
- Inflation decelerated in 2019 as energy prices declined and home prices increased more slowly than the previous year.
- Inflation is expected to be very low in 2020 but could accelerate in 2021 or 2022.



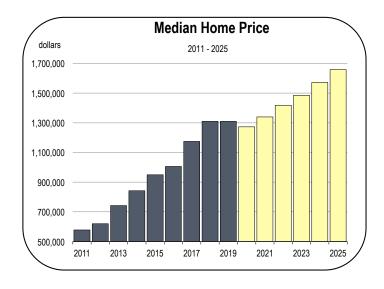
#### **Home Prices and New Housing Production**

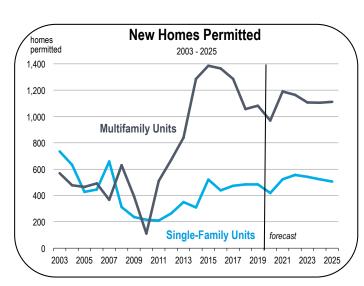
- In 2019 the median home price in San Mateo County was \$1.3 million.
- The median price is not expected to change much in 2020 or 2021.
- The median price has become prohibitively expensive in San Mateo County, where housing affordability was worse in 2019 than it was during the housing bubble of 2004-2007.
- In 2019, a typical household in San Mateo County would have had
  to spend 55 percent of its pre-tax income on mortgage payments
  in order to afford the median-priced home, indicating that housing
  prices have become excessive.
- From 2014 to 2019, an average of 1,700 new homes were started per year. Most were apartments and condos.
- Housing production is forecast to average 1,600 homes per year from 2020 to 2025 and will consist primarily of apartments and condos.
- There are 25,000 housing units in the San Mateo County development pipeline. Some are in projects that could begin in 2020 or 2021, while others are not likely to be built for many years.



San Mateo County Residential Development Pipeline

Area	<u>Units</u>
Redwood City	14,291
Menlo Park	3,221
San Mateo	2,842
South SF	2,148
Daly City	1,547
San Bruno	425





\$185,701

\$186,929

\$188,132

\$189 420

\$190,663

\$18.3

\$16.3

\$14.4

\$12.7 \$11.2

2.8

2.8

2.4

### San Mateo County Economic Forecast

#### **Economic Indicators** 2015-2019 History, 2020-2050 Forecast Total Taxable Sales (billions) Real Unemployment Farm Inflation Rate Production Rate (percent) (millions)(percent) Real per Capita New Homes Permitted (homes) Personal Population (people) Income (billions) Income (dollars) 2015 764,577 261.5 4,025 1.907 732 747 \$78.5 \$10.2 \$15.6 \$117,343 \$118.901 3.7 3.3 \$151.3 \$149.7 2.6 3.0 2016 768 147 1 804 \$82.4 \$10.3 \$23.8 263.0 278 \$15.8 2017 771.514 264.1 122 1.759 \$90.2 \$10.9 \$24.2 \$125,678 2.9 \$140.6 3.2 761 \$16.7 774,570 338 1,540 770 \$97.3 \$23.0 \$129,532 2.4 \$143.4 4.2 2018 265.1 \$17.5 776,252 1,566 \$103.3 \$23.6 \$143.2 \$133.117 779,045 -633 1,389 \$98.7 \$20.8 \$125,037 2020 267.0 \$11.0 \$16.8 \$136.4 2021 781,975 268.2 -395 1,713 792 \$104.5 \$11.9 \$18.2 \$22.7 \$128,477 4.6 \$129.8 2.7 2022 785.062 269.8 -127 1,721 798 \$112.3 \$12.4 \$19.0 \$24.3 \$133,326 3.5 \$123.3 3.1 2713 1 649 2.9 3.3 3.1 2023 788 232 47 804 \$1216 \$13.0 \$20.0 \$25.8 \$139 245 \$116.9 2.7 2024 791.342 272.7 85 1.628 810 \$131.2 \$13.6 \$21.0 \$27.5 \$145.048 \$110.7 794,307 274.2 1,617 \$139.1 \$14.3 \$22.0 \$28.8 \$148,826 \$104.6 3.0 2025 35 816 2.7 2026 \$23.1 \$30.1 \$152,005 \$98.6 2027 799,811 277.0 -63 1,604 827 \$154.1 \$15.7 \$24.2 \$31.0 \$154,659 \$92.8 2.8 2028 802,199 278.4 -239 1,599 831 \$162.7 \$16.5 \$25.4 \$32.1 \$158,237 \$87.2 2.9 3.0 2.9 2029 804 435 2799 -314 1 583 836 \$169.9 \$17 1 \$26.3 \$32.9 \$160.024 2.4 \$81.7 2030 806.581 281.3 -332 1.564 840 \$177.3 \$17.6 \$27.1 \$33.6 \$161.836 2.4 \$76.4 2.8 2031 808,616 282.6 -343 1.538 844 \$184.9 \$27.9 \$34.4 \$163,782 2.4 \$71.3 \$18.1 2032 810,495 284.0 -406 1,514 \$192.0 \$18.6 \$164,786 \$66.4 3.0 812,357 285.3 -361 1,489 \$29.5 \$35.8 \$167,027 \$61.7 2033 851 \$200.1 \$19.1 2.8 2034 814,252 286.7 -259 1,482 855 \$208.6 \$19.7 \$30.4 \$36.6 \$169,005 \$57.1 2035 816,170 288 0 \_180 1 468 858 \$217.4 \$20.3 \$31.3 \$374 \$170.877 2.4 \$52.8 3.3 3.4 3.2 818.008 1.465 \$171.840 2.4 \$48.7 2036 289.3 -183862 \$226.3 \$21.0 \$32.3 \$38.0 290.6 1.455 \$235.6 \$33.4 \$38.6 \$44.8 2037 819.794 -167 865 \$21.7 \$172,727 2.4 2.4 2038 821,505 291.9 -168 1,436 869 \$245.5 \$22.4 \$34.5 \$39.3 \$174,125 \$41.0 2039 293.1 -205 1,414 \$255.7 \$39.8 \$175,141 \$37.5 824,648 294.4 1,407 \$23.9 \$40.4 \$176,243 2040 \$266.2 \$36.9 \$34.2 2041 826,090 295.6 -208 1,385 878 \$277.1 \$24.7 \$38.1 \$41.0 \$177,673 2.4 \$31.0 3.1 2.4 2042 827,369 296.8 -284 1.358 880 \$288.3 \$25.4 \$39.3 \$417 \$179,225 \$28.1 3.0 2.9 2.7 1,328 2043 828.466 298.0 -375 \$299.7 \$42.4 \$180.895 \$25.4 882 \$26.2 \$40.4 2.4 2044 299.2 -310 1,318 884 2.4 \$22.8 829.506 \$311.5 \$26.9 \$41.5 \$43.2 \$182.878 2.9 2045 830,498 300.4 1,310 886 \$323.4 \$27.7 \$42.8 \$43.8 \$184,284 2.4 \$20.5 2.8

#### Employment Sectors 2015-2019 History, 2020-2050 Forecast Manufac-turing Transportation & Utilities Information Construction Leisure Government Farm (thousands of iobs) 392.4 18.1 25.4 46.0 81.7 45.0 42.6 33.3 2016 1.8 30.5 22.5 31.6 2017 393.6 1.7 18.9 26.1 25.2 45.6 22.4 81.2 34.8 47.0 43.6 33.3 1.4 2018 405.0 194 26.1 252 45.9 23.3 83 6 39 1 48.5 454 33 2 44 8 44 4 2019 420 0 1.4 20.0 26.3 26.9 24 1 876 50.7 467 33 4 41.0 48.7 32.3 2020 383.0 1.4 19.1 25.019.8 23.9 82.3 42.5 35.5 25.7 43.7 414.7 26.2 25.9 42.8 2023 422.5 20.4 26.4 45.0 89.1 45.0 50.8 44.9 33.7 2024 426.5 1.3 20.3 264 28.3 45 0 24 7 893 45.9 512 459 338 46.2 2025 428 8 1.3 20.3 26.5 29 0 45 0 24 5 89 5 517 46.3 339 29.8 45.0 24.5 34.0 2026 431.1 1.3 20.3 26.7 89.8 46.5 52.0 46.6 2027 433.2 20.4 30.2 45.0 24.4 90.2 46.9 52.2 46.8 34.1 1.3 26.8 2028 435.2 20.4 26.8 45.1 90.6 47.0 45.1 48.3 52.7 34.3 2029 437.5 20.3 47.1 2030 439.1 20.3 45.1 91.5 48.7 52.9 47.2 34.4 26.9 31.2 2031 440.9 1.3 20.3 27 0 315 45.2 24.3 919 49 1 53 2 474 34.4 442.4 20.4 24.2 49.3 53.4 34.5 2032 1.3 27.0 31.7 45.2 92.3 47.5 443.8 45.2 49.5 34.6 2033 1.3 1.2 20.4 27.0 32.0 24.2 92.8 53.7 47.6 45.3 2034 445.6 20.5 27.0 32.3 24.2 49.8 53.9 47.8 34.6 93.2 447.2 27.0 48.0 448.9 45.3 2036 50.0 48.2 2037 450.6 1.2 20.7 27.1 33 2 45.3 24.2 94.5 50.3 54.7 48.4 34.9 94 9 2038 452.2 1.2 20.8 27.1 33.5 45.3 24 2 50.4 54.9 48.5 34.9 45.3 50.8 2039 453 8 1.2 20.8 27.1 336 24 1 95.3 55.2 48 7 35.0 1.2 33.9 20.8 27.1 45.4 24.1 95.8 51.0 55.4 48.8 35.1 2040 455.5 2041 457.3 1.2 20.8 27.2 34.0 45.3 24.1 96.2 51.6 55.7 49.0 35.2 27.2 45.4 96.7 52.0 49.1 35.2 2043 460.9 20.8 27.2 34.4 45.4 24.1 97.1 56.2 49.3 35.3 2044 462.8 1.2 20.9 27.3 34.6 45.5 24.1 97.6 52.9 56.5 49.5 35.4 35.4 35.5 2045 465.0 1.2 20.9 27.3 34.7 45.6 24.1 98.0 53.7 56.8 49.6 34 8 2046 466.8 12 210 27.3 456 24 1 98.5 543 57 0 497 2047 21.0 27.3 34.9 45.7 24.0 98.9 54.8 57.3 49.9 35.5 468.6 1.2 2048 470.2 35.0 45.8 24.0 99.4 55.2 57.6 50.0 35.5 1.2 21.1 27.3 45.8 99.8 473.6 35.1 45.9 100.3

831.417

832,217

832,915

833,517 834.040

2047

2048

2049

301.5

302.7

303.8

305.0

-238

-261

-281

-288

1,300

1,287

1,273

1,264

1 255

888

890

891

892

\$335.3

\$347.2

\$359.5

\$372.3

\$385.4

\$29.3

\$30.2

\$31.0

\$45.3

\$46.6

\$47.9

\$44.9

\$45.4

\$46.0

### Socioeconomic Indicators

