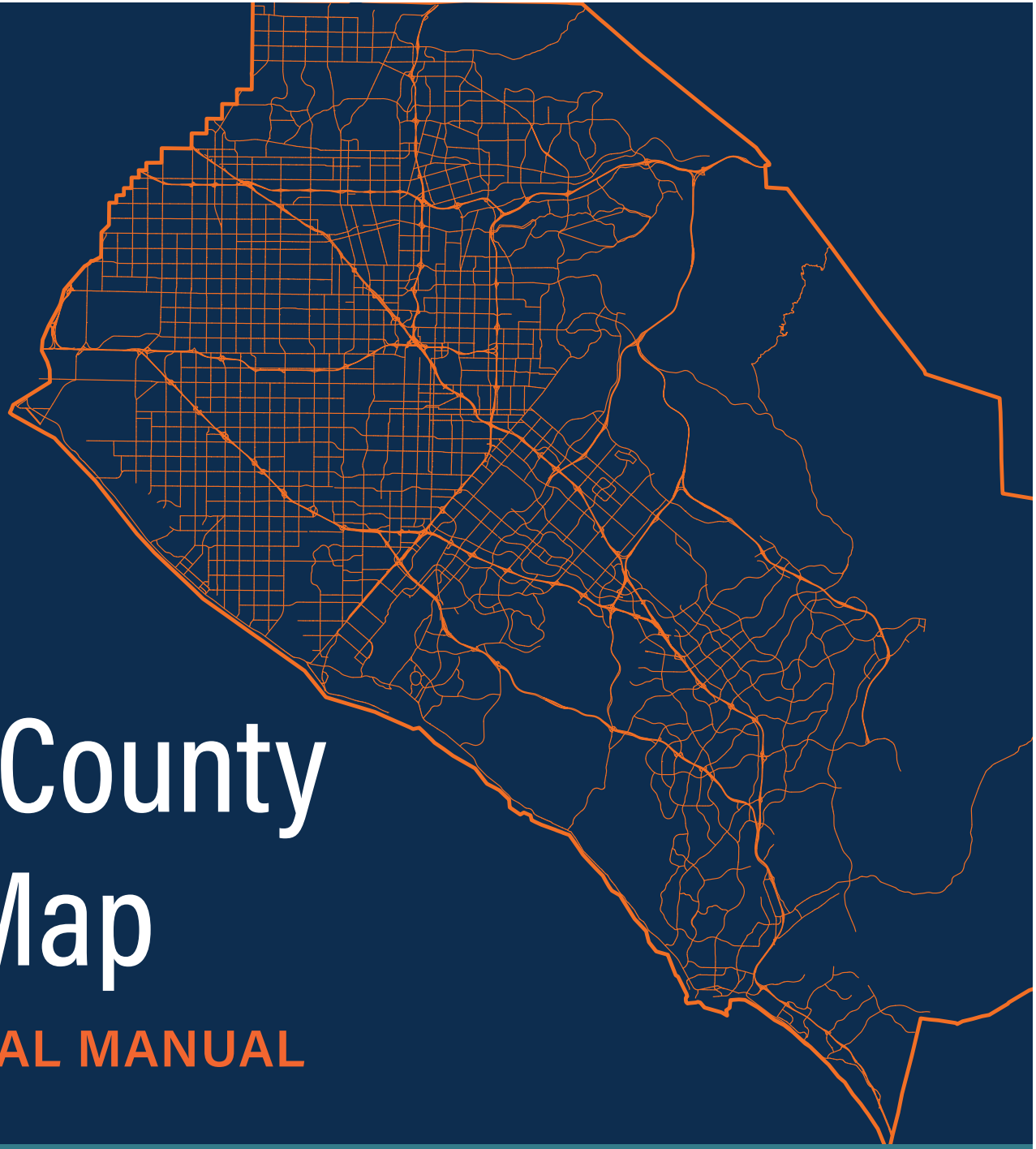
ochealth CARE AGENCY

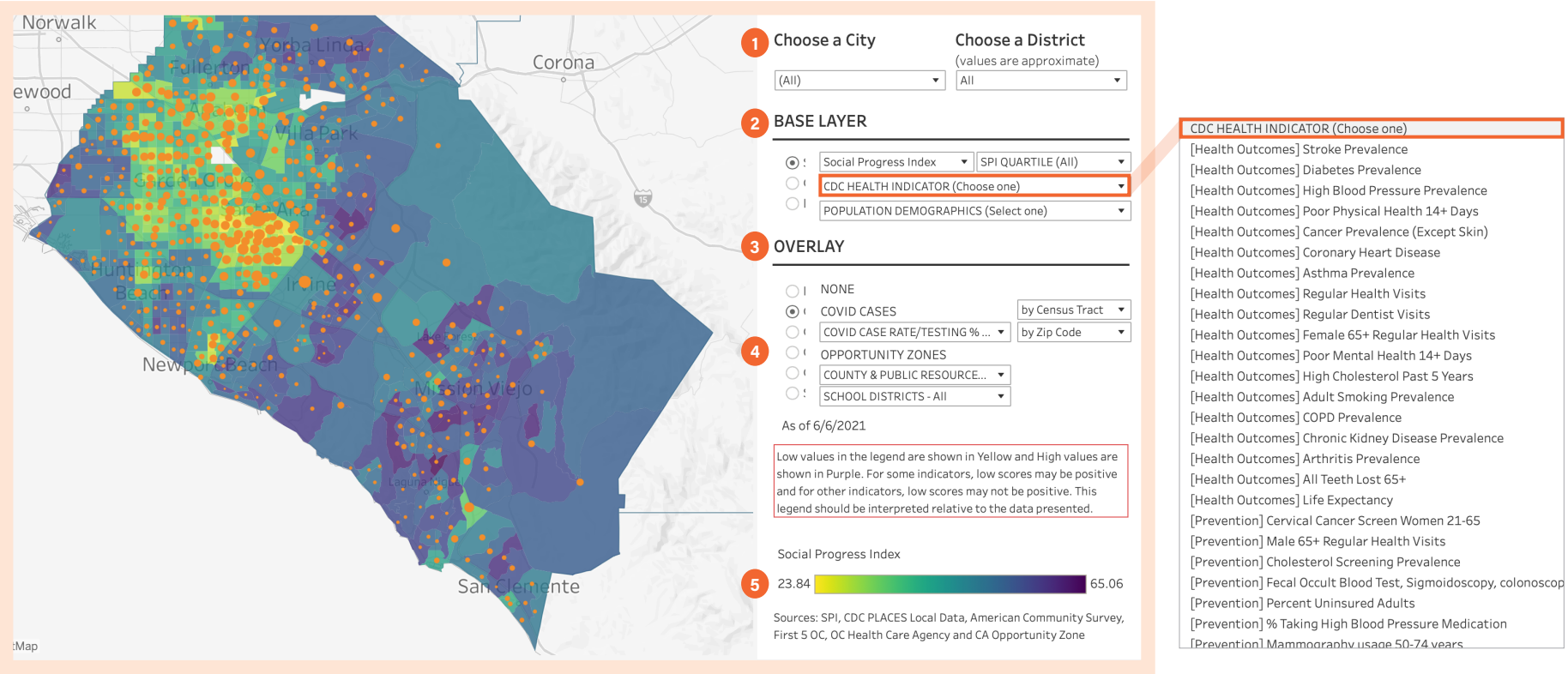
ADVANCE OC



Orange County Equity Map

INSTRUCTIONAL MANUAL

ORANGE COUNTY EQUITY MAP



The Orange County Equity Map (OC Equity Map) is a data platform that spotlights social and health disparities in Orange County neighborhoods across multiple dimensions with a specific focus on the impact from COVID-19. The interactive map visualizes Orange County into 580 census tracts and displays the scores from the Social Progress Index (SPI), CDC Health Indicators, and population demographic data as well as overlays additional information that can be customized for a variety of different use cases.

1. The default **OC Equity Map**, which displays SPI Scores for each census tract, can be filtered to narrow focus on a specific **City** or one of the 5 supervisor Districts.

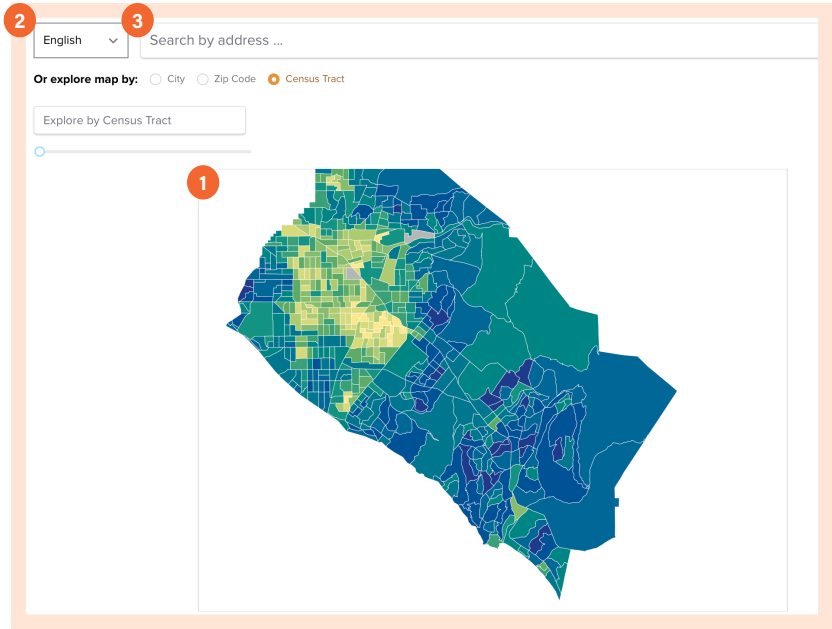
2. The **Base Layer** default display is the composite **Social Progress Index** for each census tract; this can be modified to focus on each of its separate **Dimension**, **Component**, or **Indicators**. The **Base Layer** can also display a variety of **CDC Health Indicators** (see examples) and Population Demographics.

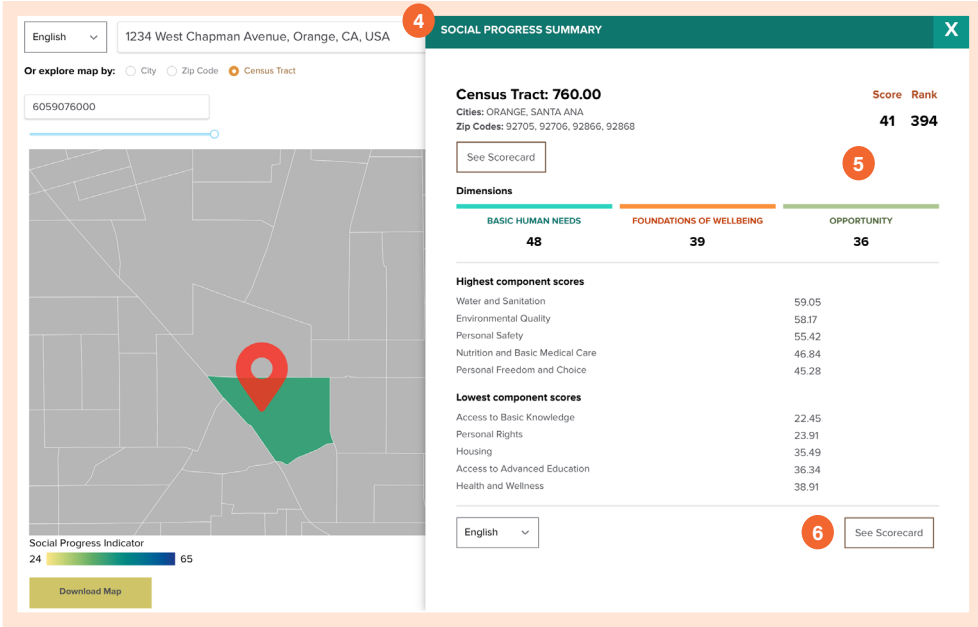
3. The **Overlay** allows for additional data analysis. This example shows the prevalence of **COVID-19 Cases** in Orange County (size of orange dots) on top of the Social Progress Index.

4. Additional information includes **Opportunity Zones**, **County & Public Resources (infrastructure, hospitals, places of worship), and School District Divisions** as a sample of different views that can be incorporated into this tool.

5. This legend displays the range for the **Base Layer** selected. Low scores will always be yellow and high scores will always be purple. It is incorrect to always interpret yellow data points or low scores as "bad" or as a "less desirable" outcome. For example, low eviction rates or low cancer prevalence is not "bad." Remember to read the Legend in the context of the indicator you are analyzing.

SOCIAL PROGRESS INDEX





The OC Social Progress Index (SPI) measures the relative levels of social progress for every census tract in Orange County using a sophisticated framework of standardized indicators. A census tract is a geographical unit of measurement designed by the US Census Bureau to have a population range between 2,500 to 8,000 individuals with an average population size of 4,000. Census tracts are unique among geographic units in the United States in that they are explicitly designed for statistical comparison and analysis.

Policymakers, businesses, organizations, and residents can use the Orange County SPI to compare one census tract against another or a peer group of multiple census tracts on different metrics of social progress, allowing the identification of specific areas of strength or weakness.

We combine 50 social and environmental outcome indicators to calculate an overall score for these tracts, based on tiered levels of scoring that include measures in health, safety, education, technology, rights, and more.

1. **Social Progress Index Scores** for each **census tract** is displayed on a map of Orange County. **Yellow** indicates lower scores, while **Purple** indicates higher scores.
2. The SPI summary and scorecards accommodate for multiple different languages to ensure all residents in Orange County will be able to access and analyze the data.
3. Enter **an address** in the highlighted field to view a summary of the SPI for your residence, workplace, or areas of interest.
4. A summary window will appear after entering the desired address. The top will display a summary of the **census tract number, city, and zip code** associated with the address in the search field.
5. The **SPI Score and Rank** of the census tract will display in the upper right-hand corner. A summary of each of the three **Dimensions** and a list of 5 of the highest and lowest **Component** scores will display below.
6. See Scorecard navigates you to a window with full details behind the Dimension and Component scores.

SOCIAL PROGRESS INDEX

ORANGE COUNTY: 760.00

Cities: ORANGE, SANTA ANA
Zip Codes: 92705, 92706, 92866, 92868

	Score	Overall Rank	Relative Strength/Weakness
7 Social Progress Index	41/100	394/580	
Median Household Income	$64,610	438/580	

8 Basic Human Needs	Score	Overall Rank	Relative Strength/Weakness
Nutrition and Basic Medical Care	**47**	**209**	
Dental care visits (% of adults)	67.25	353	
Households with food stamp benefits in the past 12 months (% of households)	4.36	287	
Preventative care visits (% of adults)	68.75	92	
Supermarket access (% of pop.)	31.29	243	
Kindergarten vaccination rate (% of kindergarteners)	95.71	292	
Water and Sanitation	**59**	**94**	
Safe Drinking Water Act health-based violations	1.17	174	
Resource Conservation and Recovery Act hazardous waste violations	2.65	342	
Businesses in compliance with health standards (% of total businesses)	93.33	96	
Housing	**35**	**513**	
Eviction Rate (per 100 renter homes)	0.68	358	
Housing cost burden (% of households, owners)	42	513	
Housing cost burden (% of households, renters)	51.59	233	
Housing overcrowding (% of households)	13	424	
Personal Safety	**55**	**279**	
Motor vehicle accident rate (per 10,000 pop)	0.18	256	
Property crime rate (per 10,000 pop)	188.24	202	
Violent crime rate (per 1,000 pop)	83.03	367	

Foundations Of Wellbeing	Score	Overall Rank	Relative Strength/Weakness
Health and Wellness	**39**	**390**	
Cancer prevalence (% of adults)	7.71	568	
Diabetes prevalence (% of adults)	9.55	376	
Poor mental health days	10.7	237	
Obesity prevalence (% of adults)	18.85	171	
Vulnerable or at risk in physical health (% of children under 5)	31.3	550	
Access to Basic Knowledge	**22**	**542**	
Third grade language arts proficiency (% of 3rd graders)	41.35	454	
Eighth grade math proficiency (% of 8th graders)	29.08	468	
Population without high school diploma or equivalent (% of pop. ages 18-24)	11.44	382	
Preschool enrollment (% of 3 & 4 year olds)	53.78	283	
Communication and general knowledge (% of children under 5)	26.34	557	
Social-emotional vulnerable (% of children under 5)	15.84	561	
Access to Information and Communications	**45**	**236**	
Broadband subscription (% of pop.)	91.43	255	
Average broadband speed (Mbps)	125.84	224	
Cellular data subscription (% of pop.)	74.41	123	
One or more types of computing devices present (% of households)	94.24	355	
No internet access (% of pop.)	6.17	246	
Environmental Quality	**58**	**232**	
Carbon Footprint (metric tons CO2)	43.6	148	
Nitrogen dioxide average annual concentration (ppb)	16.97	550	
Ozone average 8-hour concentration (ppm)	42.7	278	
PM2.5 average annual concentration (µg/m3)	9.29	256	
Wildfire hazard potential	0.31	163	

Opportunity	Score	Overall Rank	Relative Strength/Weakness
Personal Rights	**24**	**474**	
Home ownership (% of households)	42.31	441	
Voter registration rate (% of voting eligible pop.)	67.15	490	
Voter turnout (% of voting eligible pop.)	63.33	399	
Personal Freedom and Choice	**45**	**251**	
Child care deserts	0.17	335	
Alternative transportation usage (% of commuters)	11.63	196	
Disconnected youth (% of 16-19 year olds)	4.68	386	
Walkability index	15.27	130	
Inclusiveness	**45**	**409**	
Residential segregation (non-white/white)	0.29	407	
Gender pay gap	0.83	152	
Residential isolation (non-white/white)	0.58	471	
Linguistic isolation (% households)	7.04	316	
Access to Advanced Education	**36**	**359**	
Associates degree holders (% of pop. age 25+)	6.63	394	
Bachelors degree holders (% of pop. age 25+)	23.15	356	
Advanced degree holders (% of pop. age 25+)	11.58	324	

Printable Scorecard | English

9 **Legend:**
- Expected
- Overperforming
- Underperforming
- Very Overperforming
- Very Underperforming

Strengths and weaknesses are relative to 10 census tracts of similar median household income:

864.06 760.00 115.02 746.01 636.04 889.03 992.35 870.02 1102.01 870.01

7 Although the SPI does not include economic indicators, the **Median Household Income and Overall Rank** is displayed below the **SPI Score and Overall Rank** for analysis.

8 A **Score**, **Rank**, and colored indicator for **Relative Strength/Weakness** are displayed following each **Dimension**, **Component**, and **Indicator**.

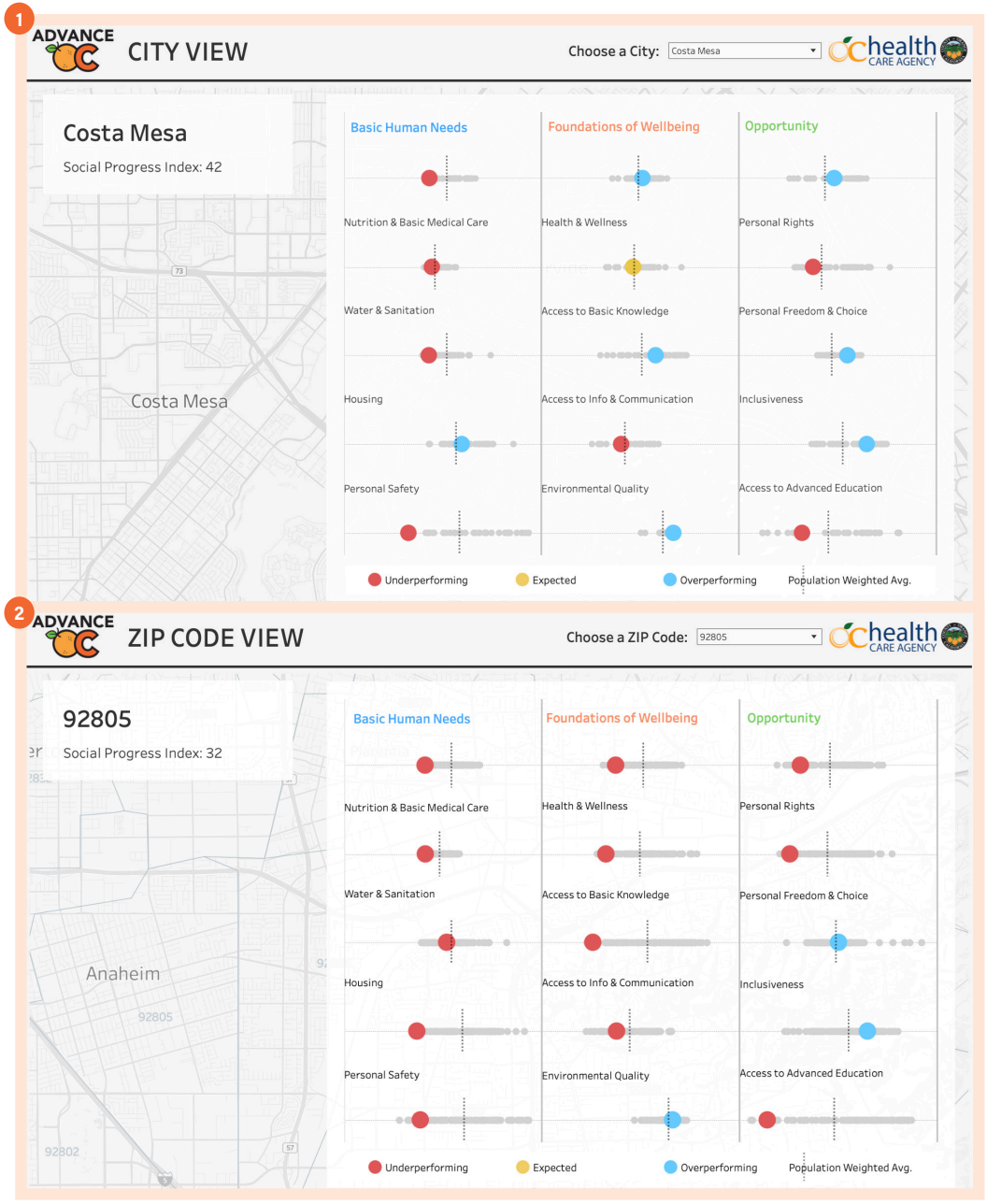
9 The **Relative Strength/Weakness** indicator (**Blue for Overperforming** and **Orange for Underperforming**) is based on a comparison to 10 other census tracts in Orange County with most similar **Median Household Income**.

SPI BY CITY & ZIP CODE

Additional dashboard displaying the Social Progress Index scores for different cities and zip codes.

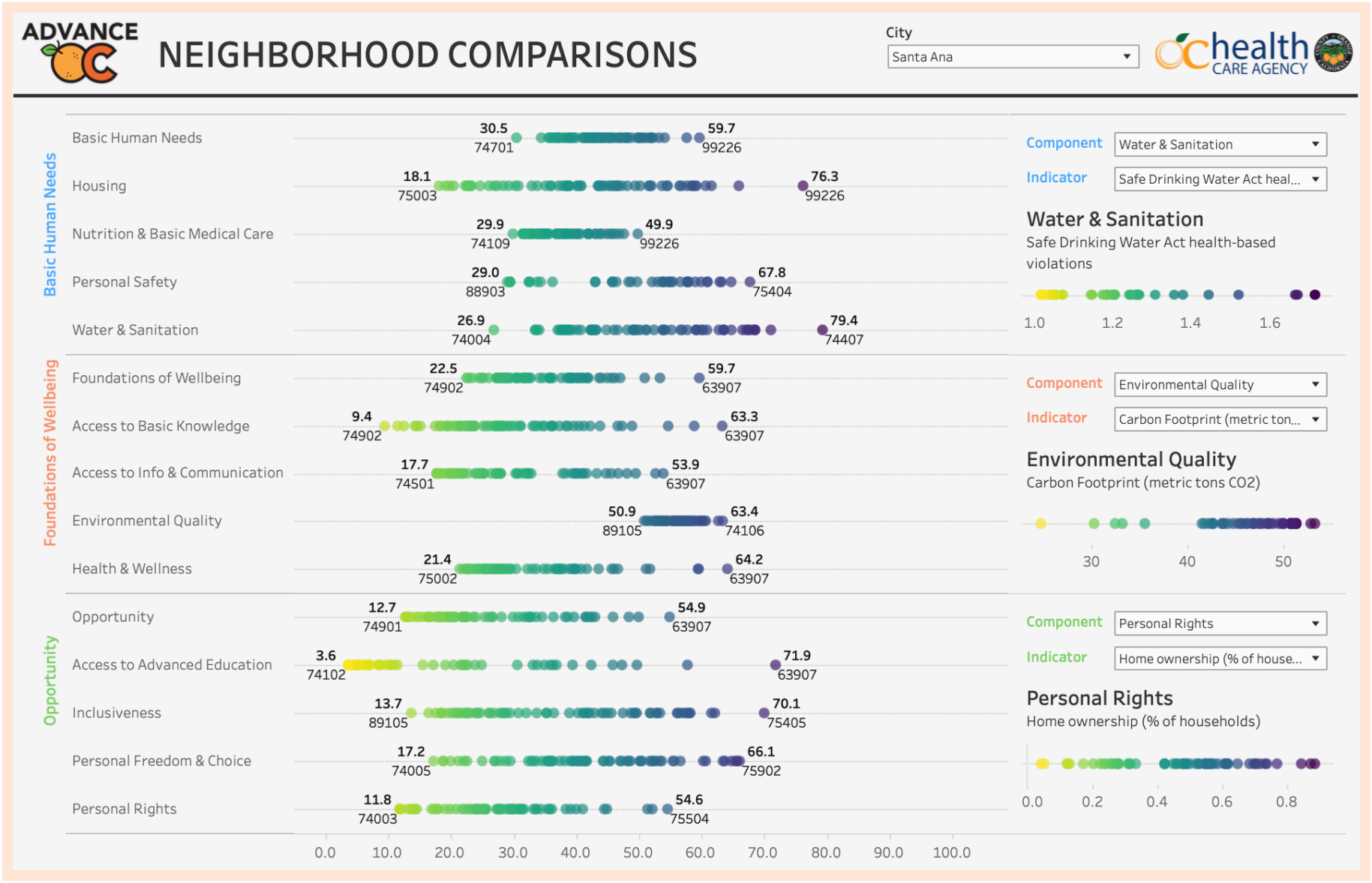
1. This **City View** shows an example of the **City of Costa Mesa** as well as the population weighted average for each score.

2. This **Zip Code View** displays SPI Score for each census tract in **92805** which largely comprises the **City of Anaheim**.



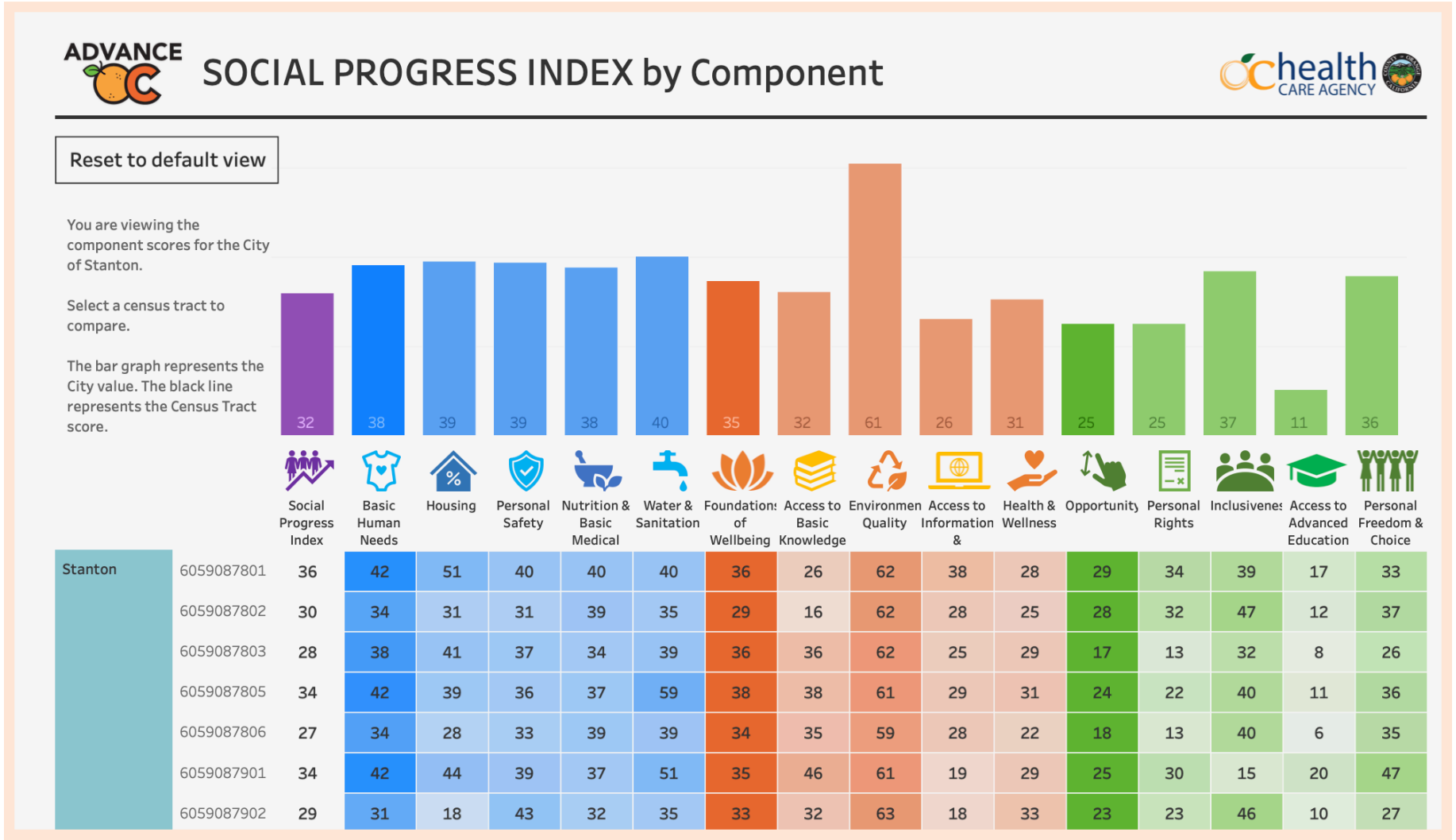
SPI BY NEIGHBORHOOD COMPARISONS

Additional dashboard displaying the Social Progress Index distribution of the lowest performing to the highest performing neighborhoods (census tracts) on a scale. The wider the distribution, the greater the disparity within that component. This **Neighborhood Comparison** is displaying the **City of Santa Ana** and each of its SPI Score.

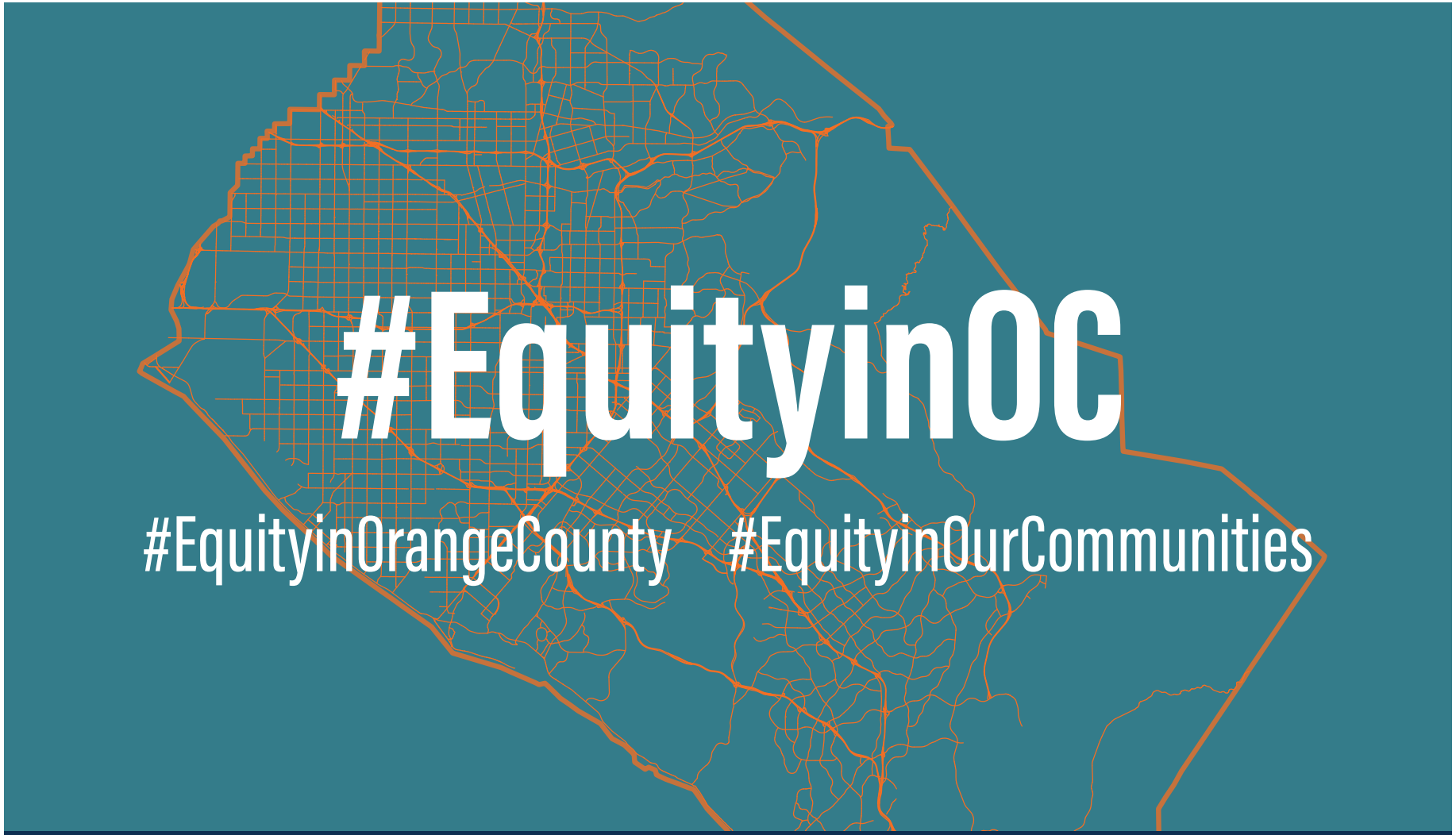


SPI BY COMPONENT

Additional dashboard showing a heat map of Social Progress Index Scores grouped by city which can be selected to display all census tracts within this city.
This **SPI by Component** example is shows the dashboard after City of Stanton was selected to display data from all census tracts in the city.



		Social Progress Index	Basic Human Needs	Housing	Personal Safety	Nutrition & Basic Medical	Water & Sanitation	Foundations of Wellbeing	Access to Basic Knowledge	Environmen Quality	Access to Information &	Health & Wellness	Opportunity	Personal Rights	Inclusivenes	Access to Advanced Education	Personal Freedom & Choice
Stanton	6059087801	36	42	51	40	40	40	36	26	62	38	28	29	34	39	17	33
	6059087802	30	34	31	31	39	35	29	16	62	28	25	28	32	47	12	37
	6059087803	28	38	41	37	34	39	36	36	62	25	29	17	13	32	8	26
	6059087805	34	42	39	36	37	59	38	38	61	29	31	24	22	40	11	36
	6059087806	27	34	28	33	39	39	34	35	59	28	22	18	13	40	6	35
	6059087901	34	42	44	39	37	51	35	46	61	19	29	25	30	15	20	47
	6059087902	29	31	18	43	32	35	33	32	63	18	33	23	23	46	10	27



Use the OC Equity Map Tool at

OCEquityMap.com

ADVANCE OC

OC health CARE AGENCY

COUNTY OF ORANGE CALIFORNIA