# Group S Milestone 6

### Phuong Tseng and Carri Beshears

#### 2022-12-11

#### **Problem Statement:**

Access to Quality healthcare in rural areas of California continues to be a focus of the California Department of Public Health Office of Health Equity (OHE). Over the past 5 years the Department of Healthcare Access and Information (HCAI) has provided funding however this need continues to grow and great greater challenges for some of our communities. New policies have increased funding availability to assist in improving healthcare facilities to work with our rural populations.

In order to ensure that this increase of funding is used to help those populations in most need, OHE is tasked to evaluate all California counties based on the following criteria: 1. low population per square mile 2. high median age 3. high proportion of renters vs homeowners

Using this information, OHE has recommended which counties would be best served by development funding partnerships.

#### Methods:

All California counties were evaluated objectively through the analysis of three primary data sources:

- 1. California County census demographics data: Information found here allowed counties to be ranked based on how well they meet the criteria outlined for this project, low population per square mile, high median age, and high proportion of renters. Current census data was used for analysis.
- 2. Mortality surveillance: Information about mortality for chronic health conditions for each county was added to provide a better picture of healthcare use and access. Total mortality counts from 2020 were used for analysis.
- 3. HCAI funding: Current funding and open projects for each county is also used to help evaluate where additional funding should be allocated. Projects currently funded and "in closure" were used for analysis.

California census data was used as the base data set for this evaluation. A new variable was added to show the proportion of renters to homeowners by taking the number of renter occupied houses over the total occupied houses in each county. Mortality data was added by separating data from 2020, giving a total count for that year for each location. Finally, HCAI funding data was sorted to identify projects that are currently "in closure" for each county, along with the monetary amount that has already been used for currently projects, allowing this to be added to the original data set as well.

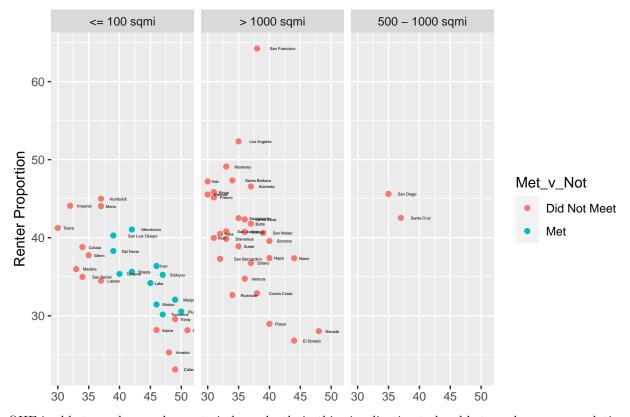
From this new single set of information, OHE is able to analyze each county independently to be able to make recommendations of which areas would best fit the new funding partnership program.

Table 1: California counties by current census

County Name			Median	Renter	Mortality	Total Costs of OSHPD
Alpine 1.54 46.4 28.17 NA 0 Amador 63.29 48.2 25.30 1.10 0 Butte 132.55 37.1 41.80 1.09 0 Calaveras 44.58 49.1 23.12 0.85 0 Colvas 18.83 33.5 38.8 0.55 0 Contra Costa 1405.33 38.4 32.89 0.80 \$7,837,754.00 Del Norte 28.30 39.0 38.29 1.01 0 Del Norte 39.00 50.00	County Name	$\mathrm{Pop/mi^2}$			*	
Amador 63.29	Alameda	2062.40	36.6	46.57	0.75	\$15,250,836.10
Batte 132.55	Alpine	1.54	46.4	28.17	NA	0
Calaveras	Amador	63.29	48.2	25.30	1.10	0
Calaveras	Butte	132.55	37.1	41.80	1.09	0
Contra Costa 1405.33 38.4 32.89 0.80 \$7,837,754.00 Del Norte 28.30 39.0 38.29 1.01 0 El Dorado 102.16 43.5 26.82 0.81 \$30,961.00 Presso 157.17 30.7 45.16 0.96 \$5,230,681.00 Glenn 21.49 35.3 37.76 0.73 0 Humboldt 38.06 37.3 44.99 0.96 0 Imperial 39.74 32.0 44.09 0.83 0 Imperial 39.74 32.0 44.09 0.83 0 Imperial 39.74 32.0 36.38 1.06 0 Second 104.28 30.7 39.98 0.86 \$2,000,187.99 Second 104.28 30.7 39.98 30.86 \$2,000,187.99 Second 104.28 30.7 30.9 39.98 30.86 \$2,000,187.99 Second 104.28 30.7 30.9 39.98 30.88 30.0 30.0 30.0 30.0 30.0 30.0 30	Calaveras		49.1	23.12	0.85	0
Contra Costa 1405.33 38.4 32.89 0.80 \$7,837,754.00 Del Norte 28.30 39.0 38.29 1.01 0 El Dorado 102.16 43.5 26.82 0.81 \$30,961.00 Presso 157.17 30.7 45.16 0.96 \$5,230,681.00 Presso 16.10 Presso 16.10 Presso 17.10 Presso 17.	Colusa	18.83	33.5	38.80	0.55	0
Del Norte   28.30   39.0   38.29   1.01   0	Contra Costa	1405.33	38.4	32.89	0.80	\$7,837,754.00
Fresno 157.17 30.7 45.16 0.96 \$5,230,681.00 Glenn 21.49 35.3 37.76 0.73 0 Humboldt 38.06 37.3 44.99 0.96 0 Imperial 39.74 32.0 44.09 0.83 0 Imperial 39.74 32.0 44.09 0.83 0 Imperial 14.28 30.7 39.98 0.86 \$2,000,187.99 Kings 111.43 31.1 45.85 0.68 0 Lake 49.08 45.0 34.19 1.01 0 Lassen 7.42 37.0 34.48 0.53 0 Los Angeles 2423.26 34.8 52.34 0.84 \$129,179,056.02 Madera 71.07 33.1 35.99 0.70 \$139,488.40 Marin 486.10 44.5 37.37 0.83 \$5,788,177.72 Mariposa 12.61 49.2 32.06 0.69 0 Mendocino 25.08 41.6 41.05 1.03 \$34,803.00 Modoc 2.33 46.0 31.45 0.89 0 Modoc 2.33 46.0 31.45 0.89 0 Modoc 2.33 46.0 31.45 0.89 0 Monterey 126.86 33.0 49.12 0.70 \$10,657,237.90 Napa 172.31 39.7 37.40 0.94 \$2,743,185.00 Nevada 102.56 47.5 28.02 1.06 \$825,345.00 Orange 3822.42 36.2 40.74 0.89 \$12,724,886.66 Placer 237.08 40.3 28.96 1.21 \$3,985,582.15 Plumas 7.65 49.5 30.54 0.90 0 Riverside 305.04 33.7 32.86 0.90 0 Riverside 305.04 33.7 32.86 0.90 0 Riverside 305.04 33.7 32.90 0.90 S55,980,818.58 Bernardino San Diego 740.58 34.7 45.62 0.82 \$55,980,818.58 Bernardino San Diego 740.58 34.7 45.62 0.82 \$55,980,818.58 Bernardino \$102.56 31.7 37.29 0.96 \$55,980,818.58 Bernardino \$250.8 40.84 40.82 0.88 \$89,105.00 Obispo San Mateo 1591.22 39.2 40.62 0.68 \$4,254,277.00 San Barbara 154.04 33.7 47.34 0.84 \$1,7012,804.99 San Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 San Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 San Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 Santa Cluz 587.52 36.8 42.53 0.70 \$232,403.00 Shasta 46.48 41.8 35.64 1.50 \$505,710.00 Sisketyou 7.12 46.8 35.25 1.18 0	Del Norte					
Fresno 157.17 30.7 45.16 0.96 \$5,230,681.00 Glenn 21.49 35.3 37.76 0.73 0 Humboldt 38.06 37.3 44.99 0.96 0 Imperial 39.74 32.0 44.09 0.83 0 Imperial 39.74 32.0 44.09 0.83 0 Imperial 14.28 30.7 39.98 0.86 \$2,000,187.99 Kings 111.43 31.1 45.85 0.68 0 Lake 49.08 45.0 34.19 1.01 0 Lassen 7.42 37.0 34.48 0.53 0 Los Angeles 2423.26 34.8 52.34 0.84 \$129,179,056.02 Madera 71.07 33.1 35.99 0.70 \$139,488.40 Marin 486.10 44.5 37.37 0.83 \$5,788,177.72 Mariposa 12.61 49.2 32.06 0.69 0 Mendocino 25.08 41.6 41.05 1.03 \$34,803.00 Modoc 2.33 46.0 31.45 0.89 0 Modoc 2.33 46.0 31.45 0.89 0 Modoc 2.33 46.0 31.45 0.89 0 Monterey 126.86 33.0 49.12 0.70 \$10,657,237.90 Napa 172.31 39.7 37.40 0.94 \$2,743,185.00 Nevada 102.56 47.5 28.02 1.06 \$825,345.00 Orange 3822.42 36.2 40.74 0.89 \$12,724,886.66 Placer 237.08 40.3 28.96 1.21 \$3,985,582.15 Plumas 7.65 49.5 30.54 0.90 0 Riverside 305.04 33.7 32.86 0.90 0 Riverside 305.04 33.7 32.86 0.90 0 Riverside 305.04 33.7 32.90 0.90 S55,980,818.58 Bernardino San Diego 740.58 34.7 45.62 0.82 \$55,980,818.58 Bernardino San Diego 740.58 34.7 45.62 0.82 \$55,980,818.58 Bernardino \$102.56 31.7 37.29 0.96 \$55,980,818.58 Bernardino \$250.8 40.84 40.82 0.88 \$89,105.00 Obispo San Mateo 1591.22 39.2 40.62 0.68 \$4,254,277.00 San Barbara 154.04 33.7 47.34 0.84 \$1,7012,804.99 San Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 San Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 San Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 Santa Cluz 587.52 36.8 42.53 0.70 \$232,403.00 Shasta 46.48 41.8 35.64 1.50 \$505,710.00 Sisketyou 7.12 46.8 35.25 1.18 0	El Dorado	102.16	43.5	26.82	0.81	\$30,961.00
Glenn 21.49 35.3 37.76 0.73 0 Humboldt 38.06 37.3 44.99 0.96 0 Imperial 39.74 32.0 44.09 0.83 0 Imyo 1.82 45.5 36.38 1.06 0 Kern 104.28 30.7 39.98 0.86 \$2,000,187.99   Kings 111.43 31.1 45.85 0.68 0 Lake 49.08 45.0 34.19 1.01 0 Lassen 7.42 37.0 34.48 0.53 0 Marin 486.10 44.5 37.37 0.83 \$5,788,177.72   Marin 25.08 41.6 41.05 1.03 \$34,803.00   Merced 129.90 29.6 45.54 0.67 \$167,026.00   Modoc 2.33 46.0 31.45 0.89 0 Mono 4.60 37.2 44.04 0.29 0 Monterey 126.86 33.0 49.12 0.70 \$10,657,237.90   Monterey 126.86 33.0 49.12 0.70 \$10,657,237.90   Monada 102.56 47.5 28.02 1.06 \$625,3445.00   Orange 3822.42 36.2 40.74 0.89 \$64,278,886.66   Placer 237.08 40.3 28.96 1.21 \$3,985,582.15   Plumas 7.65 49.5 30.54 0.90 0 Reverside 305.04 33.7 32.65 0.94 \$268,651,237.29   Sacramento 1441.22 34.8 42.51 0.98 \$12,724,854.30   San Benito 40.63 34.3 34.98 0.56 0 San Diego 740.58 34.7 45.62 0.82 \$58,237,267.71   San Diego 740.58 34.7 45.62 0.88 \$89,105.00   San Mateo 1591.22 39.2 40.62 0.68 \$4,254,277.00   San Luis 81.82 39.4 40.28 0.88 \$89,105.00   San Mateo 1591.22 39.2 40.62 0.68 \$4,254,277.00   Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35   Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35   Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35   Santa Clara 1401.07 36.2 42.35 0.68 \$1,709,878.00   Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35   Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35   Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35   Santa Clara 1401.97 36.2 42.35 0.68 \$21,401,921.35	Fresno	157.17	30.7	45.16	0.96	
Imperial         39.74         32.0         44.09         0.83         0           Inyo         1.82         45.5         36.38         1.06         0           Kern         104.28         30.7         39.98         0.86         \$2,000,187.99           Kings         111.43         31.1         45.85         0.68         0           Lake         49.08         45.0         34.19         1.01         0           Lassen         7.42         37.0         34.48         0.53         0           Los Angeles         2423.26         34.8         52.34         0.84         \$129,179,056.02           Madera         71.07         33.1         35.99         0.70         \$139,488.40           Macrin         486.10         44.5         37.37         0.83         \$5,788,177.72           Mariposa         12.61         49.2         32.06         0.69         0           Merdedino         25.08         41.6         41.05         1.03         \$34,803.00           Merced         129.90         29.6         45.54         0.67         \$167,026.00           Monterey         126.86         33.0         49.12         0.70         \$10,65	Glenn	21.49	35.3	37.76	0.73	
Inyo         1.82         45.5         36.38         1.06         0           Kern         104.28         30.7         39.98         0.86         \$2,000,187.99           Kings         111.43         31.1         45.85         0.68         0           Lake         49.08         45.0         34.19         1.01         0           Lassen         7.42         37.0         34.48         0.53         0           Los Angeles         2423.26         34.8         52.34         0.84         \$129,179,056.02           Madera         71.07         33.1         35.99         0.70         \$139,488.40           Marin         486.10         44.5         37.37         0.83         \$5,788,177.72           Mariposa         12.61         49.2         32.06         0.69         0           Merocd         129.90         29.6         45.54         0.07         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Montered         129.90         29.6         45.54         0.67         \$167,026.00           Montered         129.90         30.6         45.54         0.89         10	Humboldt	38.06	37.3	44.99	0.96	0
Inyo	Imperial	39.74	32.0	44.09	0.83	0
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Los Angeles         2423.26         34.8         52.34         0.84         \$129,179,056.02           Madera         71.07         33.1         35.99         0.70         \$139,488.40           Marin         486.10         44.5         37.37         0.83         \$5,788,177.72           Mariposa         12.61         49.2         32.06         0.69         0           Mendocino         25.08         41.6         41.05         1.03         \$34,803.00           Merced         129.90         29.6         45.54         0.67         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Montered         126.86         33.0         49.12         0.70         \$10,657,237.90           Mona         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5 <td< td=""><td>Lake</td><td></td><td></td><td></td><td></td><td></td></td<>	Lake					
Los Angeles         2423.26         34.8         52.34         0.84         \$129,179,056.02           Madera         71.07         33.1         35.99         0.70         \$139,488.40           Marin         486.10         44.5         37.37         0.83         \$5,788,177.72           Mariposa         12.61         49.2         32.06         0.69         0           Mendocino         25.08         41.6         41.05         1.03         \$34,803.00           Merced         129.90         29.6         45.54         0.67         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Montered         126.86         33.0         49.12         0.70         \$10,657,237.90           Mona         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5 <td< td=""><td>Lassen</td><td>7.42</td><td></td><td></td><td></td><td>0</td></td<>	Lassen	7.42				0
Madera         71.07         33.1         35.99         0.70         \$139,488.40           Marin         486.10         44.5         37.37         0.83         \$5,788,177.72           Mariposa         12.61         49.2         32.06         0.69         0           Mendocino         25.08         41.6         41.05         1.03         \$34,803.00           Merced         129.90         29.6         45.54         0.67         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Mono         4.60         37.2         44.04         0.29         0           Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Mapa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94	Los Angeles					\$129,179,056.02
Marin         486.10         44.5         37.37         0.83         \$5,788,177.72           Mariposa         12.61         49.2         32.06         0.69         0           Mendocino         25.08         41.6         41.05         1.03         \$34,803.00           Merced         129.90         29.6         45.54         0.67         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Mono         4.60         37.2         44.04         0.29         0           Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94 </td <td>Madera</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Madera					
Mariposa         12.61         49.2         32.06         0.69         0           Mendocino         25.08         41.6         41.05         1.03         \$34,803.00           Merced         129.90         29.6         45.54         0.67         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Mono         4.60         37.2         44.04         0.29         0           Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51 <t< td=""><td>Marin</td><td></td><td></td><td></td><td></td><td></td></t<>	Marin					
Mendocino         25.08         41.6         41.05         1.03         \$34,803.00           Merced         129.90         29.6         45.54         0.67         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Mono         4.60         37.2         44.04         0.29         0           Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51         0.98         \$12,724,854.30           San Benito         40.63         34.3         34.98<						
Merced         129.90         29.6         45.54         0.67         \$167,026.00           Modoc         2.33         46.0         31.45         0.89         0           Mono         4.60         37.2         44.04         0.29         0           Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51         0.98         \$12,724,854.30           San Benito         40.63         34.3         34.98         0.56         0           San Francisco         17398.35         38.5         64.24 <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	-					
Modoc         2.33         46.0         31.45         0.89         0           Mono         4.60         37.2         44.04         0.29         0           Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51         0.98         \$12,724,854.30           San Benito         40.63         34.3         34.98         0.56         0           San Diego         740.58         34.7         45.62         0.82         \$58,237,267.71           San Luis         81.82         39.4         40.81	Merced					
Mono         4.60         37.2         44.04         0.29         0           Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51         0.98         \$12,724,854.30           San Benito         40.63         34.3         34.98         0.56         0           San Diego         740.58         34.7         45.62         0.82         \$58,237,267.71           San Francisco         17398.35         38.5         64.24         0.81         \$17,012,804.99           San Luis         81.82         39.4 <td>Modoc</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Modoc					
Monterey         126.86         33.0         49.12         0.70         \$10,657,237.90           Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51         0.98         \$12,724,854.30           San Benito         40.63         34.3         34.98         0.56         0           San Deigo         740.58         34.7         45.62         0.82         \$55,980,818.58           Bernardino         San Luis         31.7         45.62         0.82         \$58,237,267.71           San Erancisco         17398.35         38.5         64.24         0.81         \$17,012,804.99           San Luis         81.82 </td <td>Mono</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Mono					
Napa         172.31         39.7         37.40         0.94         \$2,743,185.00           Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51         0.98         \$12,724,854.30           San Benito         40.63         34.3         34.98         0.56         0           San Benito         40.63         34.3         34.98         0.56         0           San Deigo         740.58         34.7         45.62         0.82         \$55,980,818.58           Bernardino         San Francisco         17398.35         38.5         64.24         0.81         \$17,012,804.99           San Luis         81.82         39.4         40.81         0.97         0           Santa Usis         81.82 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Nevada         102.56         47.5         28.02         1.06         \$625,345.00           Orange         3822.42         36.2         40.74         0.80         \$64,278,886.66           Placer         237.08         40.3         28.96         1.21         \$3,985,582.15           Plumas         7.65         49.5         30.54         0.90         0           Riverside         305.04         33.7         32.65         0.94         \$268,651,237.29           Sacramento         1441.22         34.8         42.51         0.98         \$12,724,854.30           San Benito         40.63         34.3         34.98         0.56         0           San Deigo         740.58         31.7         37.29         0.96         \$55,980,818.58           Bernardino         San Diego         740.58         34.7         45.62         0.82         \$58,237,267.71           San Francisco         17398.35         38.5         64.24         0.81         \$17,012,804.99           San Luis         81.82         39.4         40.28         0.88         \$89,105.00           Obispo         San Mateo         1591.22         39.2         40.62         0.68         \$4,254,277.00	*					
Orange       3822.42       36.2       40.74       0.80       \$64,278,886.66         Placer       237.08       40.3       28.96       1.21       \$3,985,582.15         Plumas       7.65       49.5       30.54       0.90       0         Riverside       305.04       33.7       32.65       0.94       \$268,651,237.29         Sacramento       1441.22       34.8       42.51       0.98       \$12,724,854.30         San Benito       40.63       34.3       34.98       0.56       0         San Benito       40.63       34.3       34.98       0.56       0         San Deigo       740.56       31.7       37.29       0.96       \$55,980,818.58         Bernardino       8an Diego       740.58       34.7       45.62       0.82       \$58,237,267.71         San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo       8an Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00	Nevada					
Placer       237.08       40.3       28.96       1.21       \$3,985,582.15         Plumas       7.65       49.5       30.54       0.90       0         Riverside       305.04       33.7       32.65       0.94       \$268,651,237.29         Sacramento       1441.22       34.8       42.51       0.98       \$12,724,854.30         San Benito       40.63       34.3       34.98       0.56       0         San       102.56       31.7       37.29       0.96       \$55,980,818.58         Bernardino         San Diego       740.58       34.7       45.62       0.82       \$58,237,267.71         San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo         San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35	Orange					
Plumas       7.65       49.5       30.54       0.90       0         Riverside       305.04       33.7       32.65       0.94       \$268,651,237.29         Sacramento       1441.22       34.8       42.51       0.98       \$12,724,854.30         San Benito       40.63       34.3       34.98       0.56       0         San       102.56       31.7       37.29       0.96       \$55,980,818.58         Bernardino         San Diego       740.58       34.7       45.62       0.82       \$58,237,267.71         San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo         San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53	Placer					
Riverside 305.04 33.7 32.65 0.94 \$268,651,237.29 Sacramento 1441.22 34.8 42.51 0.98 \$12,724,854.30 San Benito 40.63 34.3 34.98 0.56 0 San 102.56 31.7 37.29 0.96 \$55,980,818.58 Sernardino San Diego 740.58 34.7 45.62 0.82 \$58,237,267.71 San Francisco 17398.35 38.5 64.24 0.81 \$17,012,804.99 San Joaquin 482.64 32.7 40.81 0.97 0 San Luis 81.82 39.4 40.28 0.88 \$89,105.00 San Mateo 1591.22 39.2 40.62 0.68 \$4,254,277.00 Santa Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35 Santa Cruz 587.52 36.8 42.53 0.70 \$232,403.00 Shasta 46.48 41.8 35.64 1.50 \$505,710.00 Siskiyou 7.12 46.8 35.25 1.18 0	Plumas					
Sacramento       1441.22       34.8       42.51       0.98       \$12,724,854.30         San Benito       40.63       34.3       34.98       0.56       0         San       102.56       31.7       37.29       0.96       \$55,980,818.58         Bernardino       San Diego       740.58       34.7       45.62       0.82       \$58,237,267.71         San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo       San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0 </td <td>Riverside</td> <td></td> <td></td> <td></td> <td></td> <td>\$268,651,237.29</td>	Riverside					\$268,651,237.29
San Benito       40.63       34.3       34.98       0.56       0         San       102.56       31.7       37.29       0.96       \$55,980,818.58         Bernardino       San Diego       740.58       34.7       45.62       0.82       \$58,237,267.71         San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo         San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18						
San       102.56       31.7       37.29       0.96       \$55,980,818.58         Bernardino       San Diego       740.58       34.7       45.62       0.82       \$58,237,267.71         San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo         San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	San Benito			34.98		
Bernardino San Diego 740.58 34.7 45.62 0.82 \$58,237,267.71 San Francisco 17398.35 38.5 64.24 0.81 \$17,012,804.99 San Joaquin 482.64 32.7 40.81 0.97 0 San Luis 81.82 39.4 40.28 0.88 \$89,105.00 Obispo San Mateo 1591.22 39.2 40.62 0.68 \$4,254,277.00 Santa Barbara 154.04 33.7 47.34 0.84 \$1,709,878.00 Santa Clara 1401.07 36.2 42.35 0.68 \$21,401,921.35 Santa Cruz 587.52 36.8 42.53 0.70 \$232,403.00 Shasta 46.48 41.8 35.64 1.50 \$505,710.00 Sierra 3.35 51.0 28.14 NA 0 Siskiyou 7.12 46.8 35.25 1.18 0	San					
San Diego       740.58       34.7       45.62       0.82       \$58,237,267.71         San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo         San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	Bernardino					
San Francisco       17398.35       38.5       64.24       0.81       \$17,012,804.99         San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo         San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	San Diego	740.58	34.7	45.62	0.82	\$58,237,267.71
San Joaquin       482.64       32.7       40.81       0.97       0         San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo       San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	San Francisco					
San Luis       81.82       39.4       40.28       0.88       \$89,105.00         Obispo       San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	San Joaquin					
San Mateo       1591.22       39.2       40.62       0.68       \$4,254,277.00         Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	San Luis					
Santa Barbara       154.04       33.7       47.34       0.84       \$1,709,878.00         Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	Obispo					
Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	San Mateo	1591.22	39.2	40.62	0.68	\$4,254,277.00
Santa Clara       1401.07       36.2       42.35       0.68       \$21,401,921.35         Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	Santa Barbara					
Santa Cruz       587.52       36.8       42.53       0.70       \$232,403.00         Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	Santa Clara	1401.07				
Shasta       46.48       41.8       35.64       1.50       \$505,710.00         Sierra       3.35       51.0       28.14       NA       0         Siskiyou       7.12       46.8       35.25       1.18       0	Santa Cruz					
Sierra       3.35       51.0       28.14       NA 0         Siskiyou       7.12       46.8       35.25       1.18 0	Shasta					
Siskiyou 7.12 46.8 35.25 1.18 0	Sierra					
· ·	Siskiyou					
	Solano					

County Name	Pop/mi^2	$egin{array}{c} { m Median} \\ { m Age} \end{array}$	$\begin{array}{c} {\rm Renter} \\ {\rm Proportion} \end{array}$	Mortality Rate	Total Costs of OSHPD Projects
Sonoma	306.32	39.8	39.58	0.92	\$1,084,897.00
Stanislaus	342.54	32.9	39.85	1.19	\$3,039,277.00
Sutter	157.13	34.6	38.89	0.65	0
Tehama	21.52	39.5	35.36	0.93	0
Trinity	4.38	49.2	29.57	0.76	0
Tulare	92.74	29.6	41.25	0.81	0
Tuolumne	24.30	47.1	30.17	1.27	0
Ventura	444.79	36.2	34.75	0.78	\$17,037,565.00
Yolo	199.66	30.5	47.21	0.64	0
Yuba	113.15	32.2	40.48	1.13	0

## Counties that met the 3 criteria



OHE is able to analyze each county independently in this visualization to be able to make recommendations of which areas would best fit the new funding partnership program.

This visualization displays counties that met the 3 criteria: low population density, high median age > 37 years old, and renter proportion >= 30%. The counties that met the criteria are represented as green dots whereas the counties that did not meet these criteria are red dots. Therefore, Tuolumne, Siskiyou, Alpine, Modoc, Inyo, Lake, Mendocino, Shasta, Tehama, Del No, San Luis Obispo are counties that met these tree criteria, which make these areas a great fit for the new funding opportunities.