



draft
rewg

february 8, 2017

Plan Bay Area 2040 Equity Analysis

Equity Measures

Investment Analysis

Title VI and EJ

Regional Trends

Mapping

Research Papers

**Proximity to
Services**

**Exposure to
Pollutants**

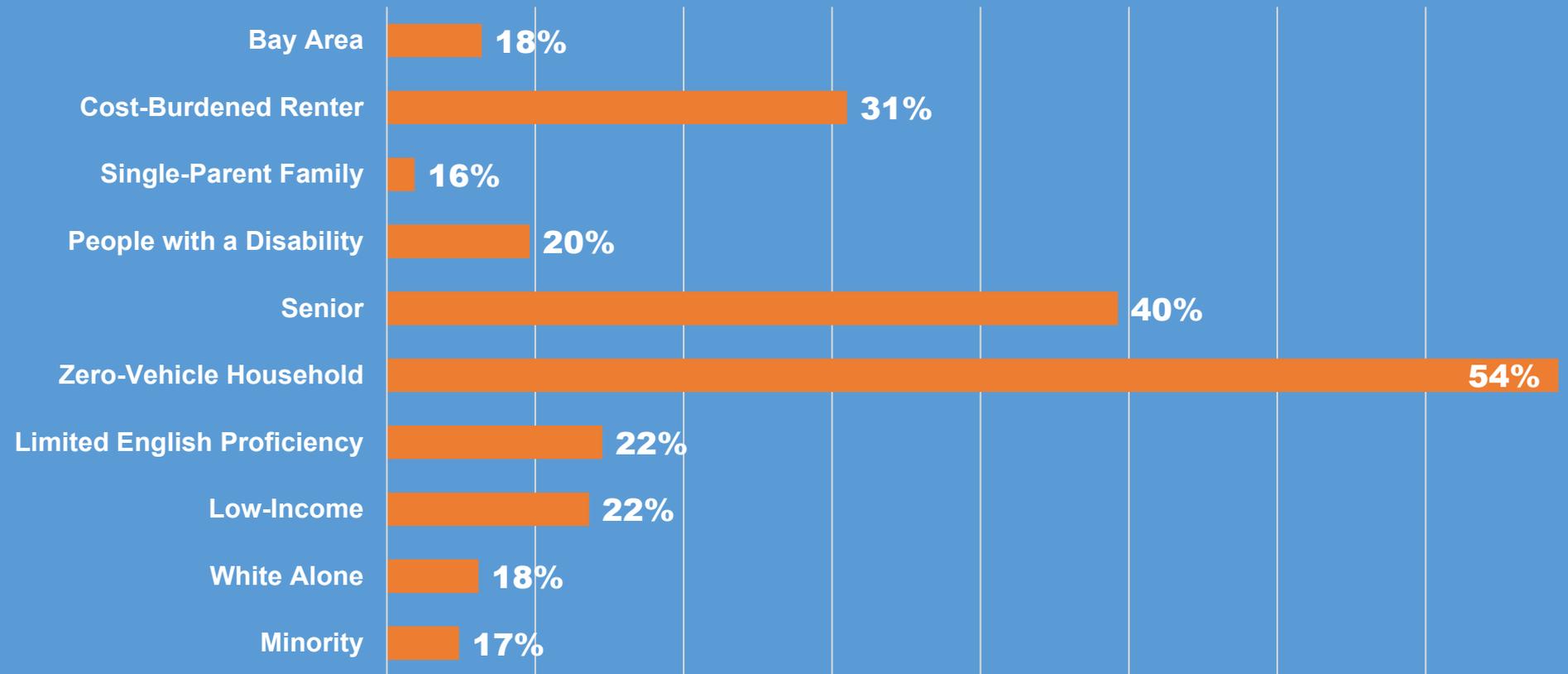
**Proximity to
Opportunity**

**Poverty in
Suburbs**

**Concentration
of Poverty**

MTC Resolution 4217

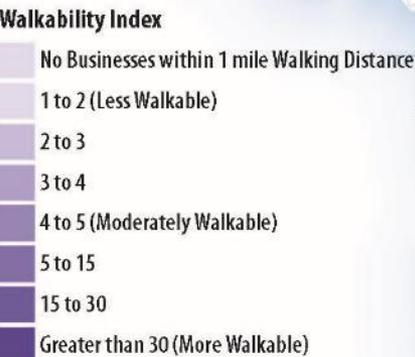
% in Census Tracts with a Walkability Score Higher than the Regional Average



Proximity to
Services

Walkability

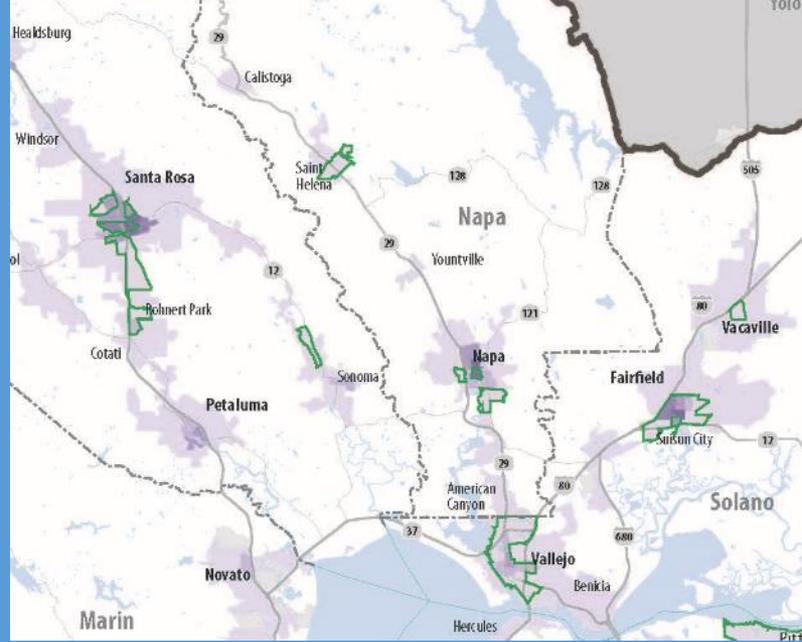
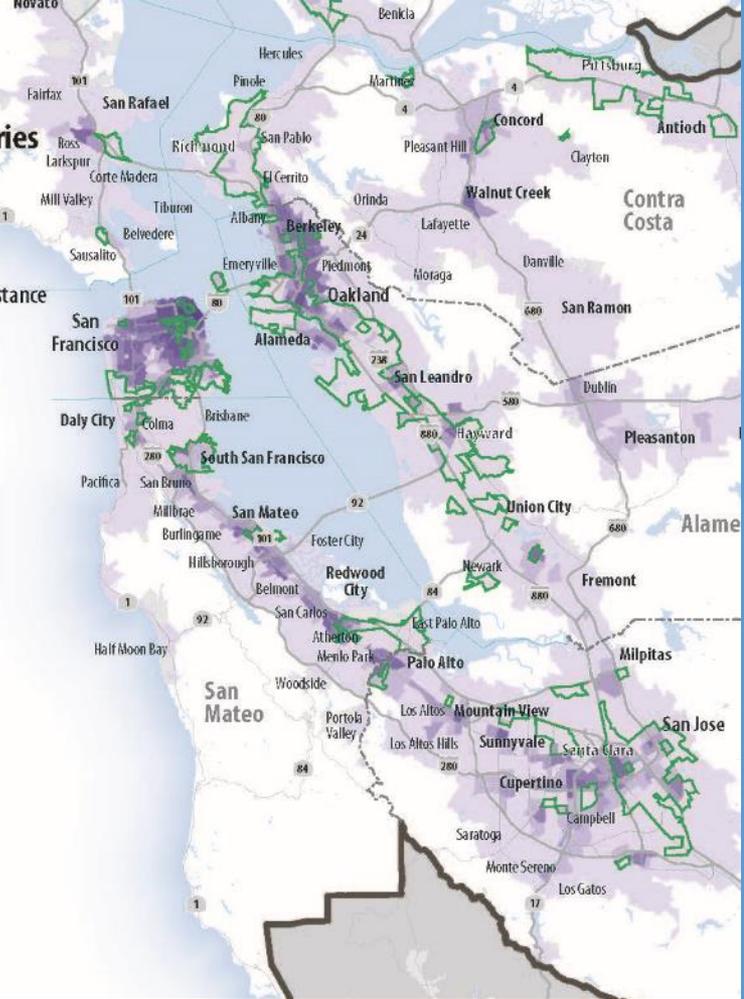
Map 41
Walkability in 2006
Weighted By Business Categories
and Distance to Destinations
Tracts Within Urbanized Areas



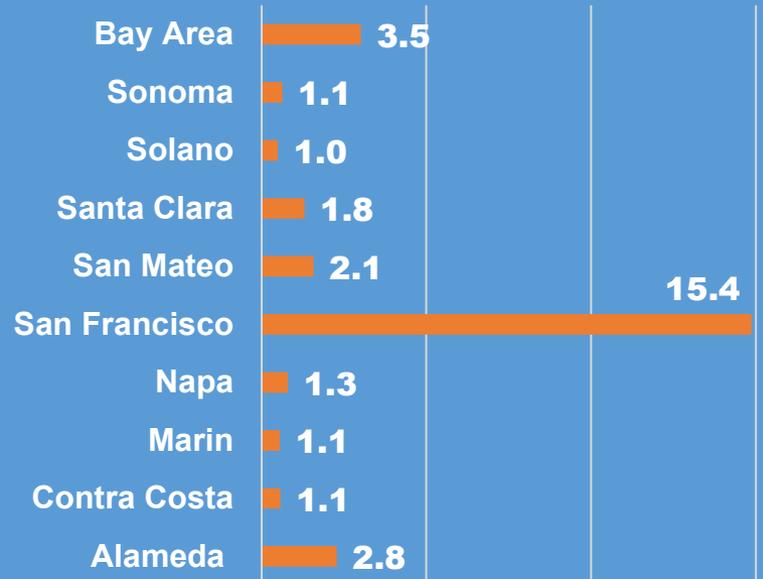
Note:
 This map shows the density of attractions in five categories: 1. Religious, Educational Institutions and Libraries, 2. Health Services, 3. Other Services, 4. Parks, and 5. Retail, Dining, and Entertainment. Each intersection is ranked by the number of businesses within a network distance of one mile. The number of businesses that are within one half mile of an intersection is weighted more heavily than the number of businesses that are between one half and one mile. The type of businesses are also weighted by category.

Communities of Concern

	Population
Oakland	Over 350,000
Sunnyvale	50,000 to 350,000
Albany	Below 50,000



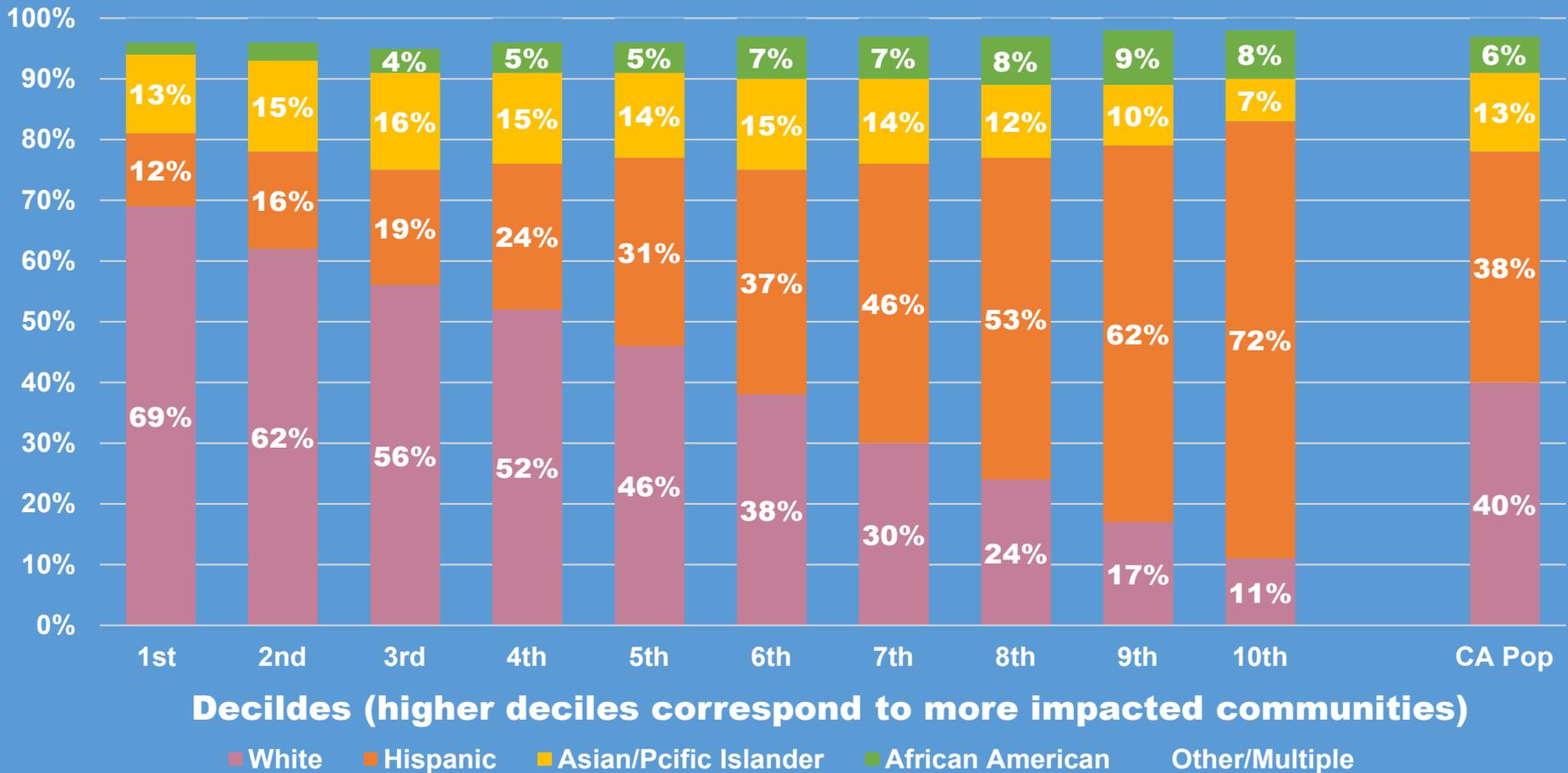
Walkability Score



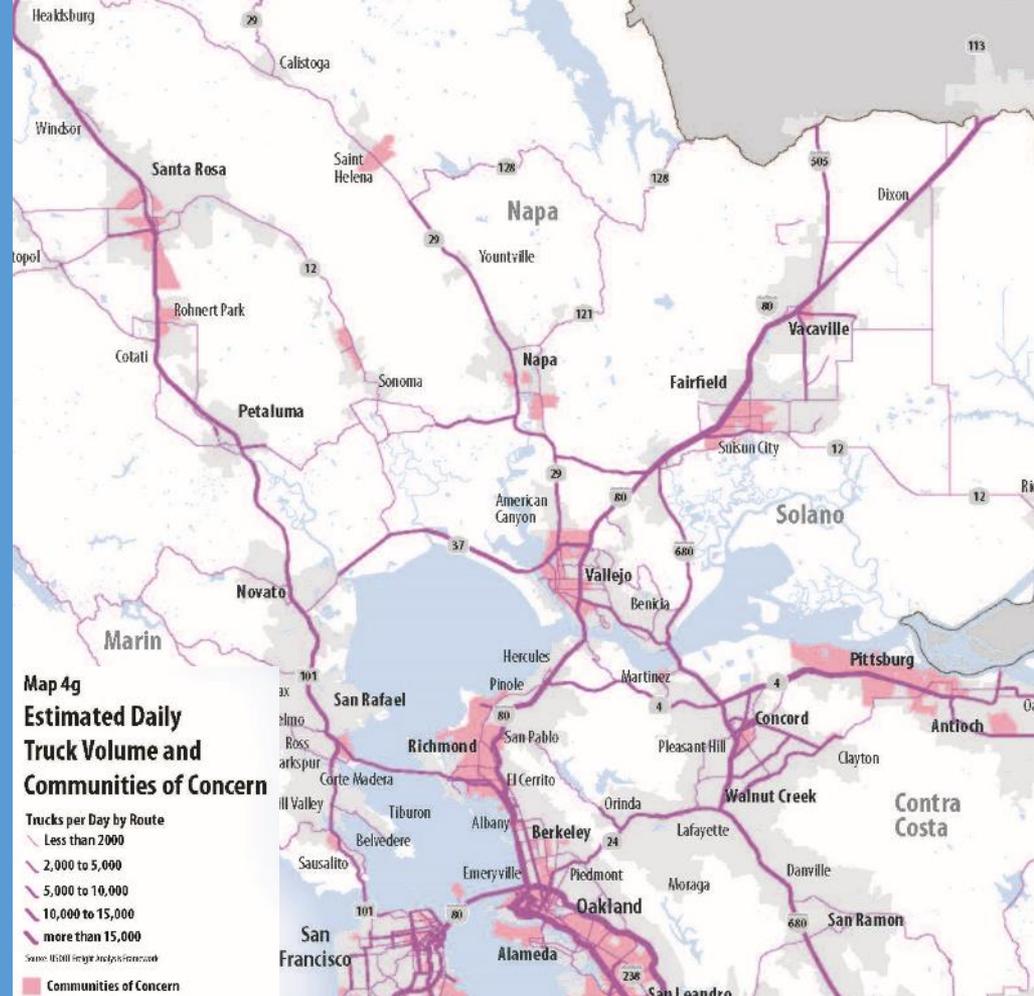
Proximity to
 Services

Walkability

Race/Ethnicity and CalEnviroScreen Deciles



Contaminated Sites and Pollutants



Map 4g
Estimated Daily
Truck Volume and
Communities of Concern

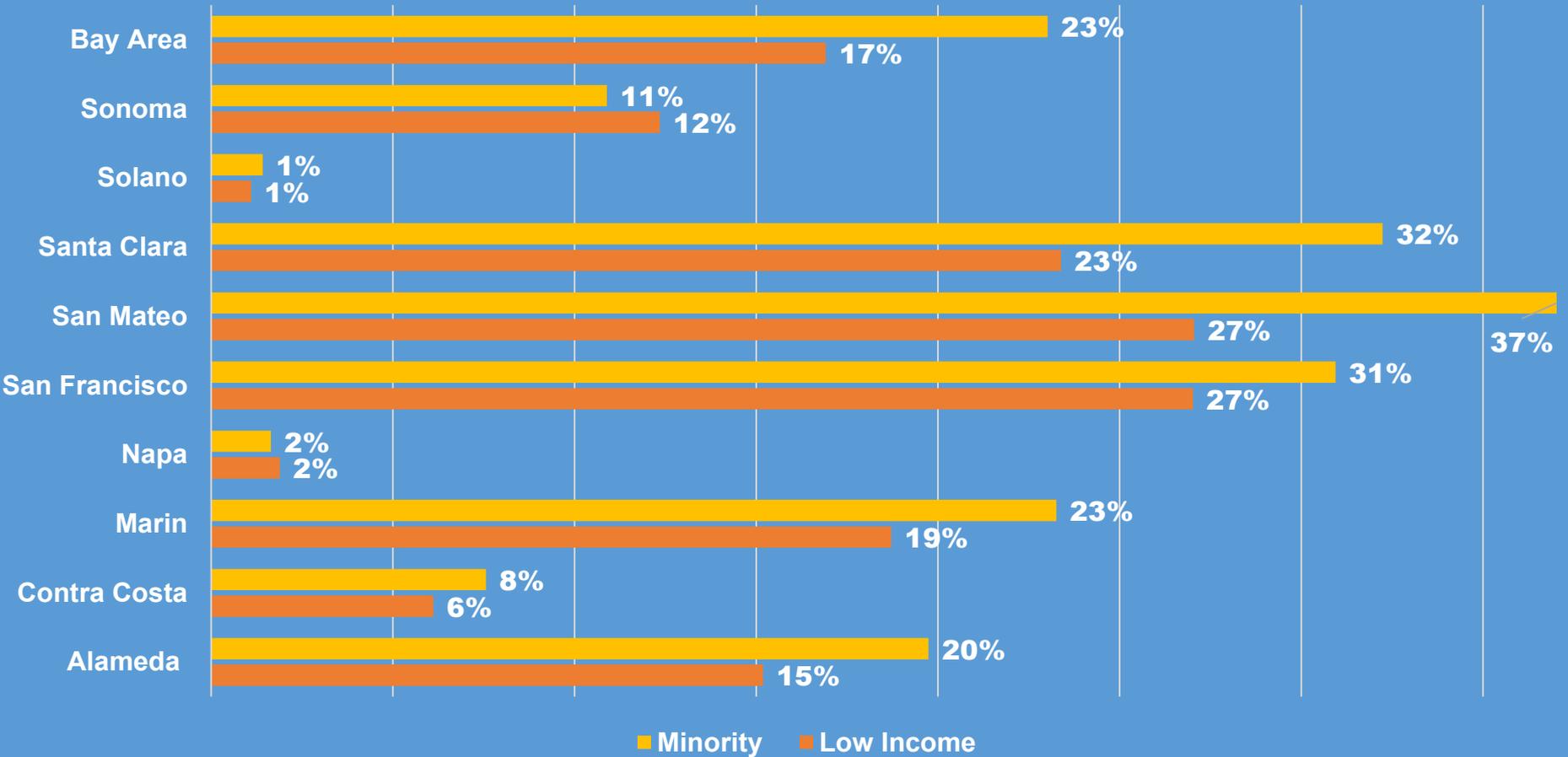
- Trucks per Day by Route**
- Less than 2,000
 - 2,000 to 5,000
 - 5,000 to 10,000
 - 10,000 to 15,000
 - more than 15,000

Source: US DOT Freight Analysis Framework
 Communities of Concern

Exposure to
 Pollutants

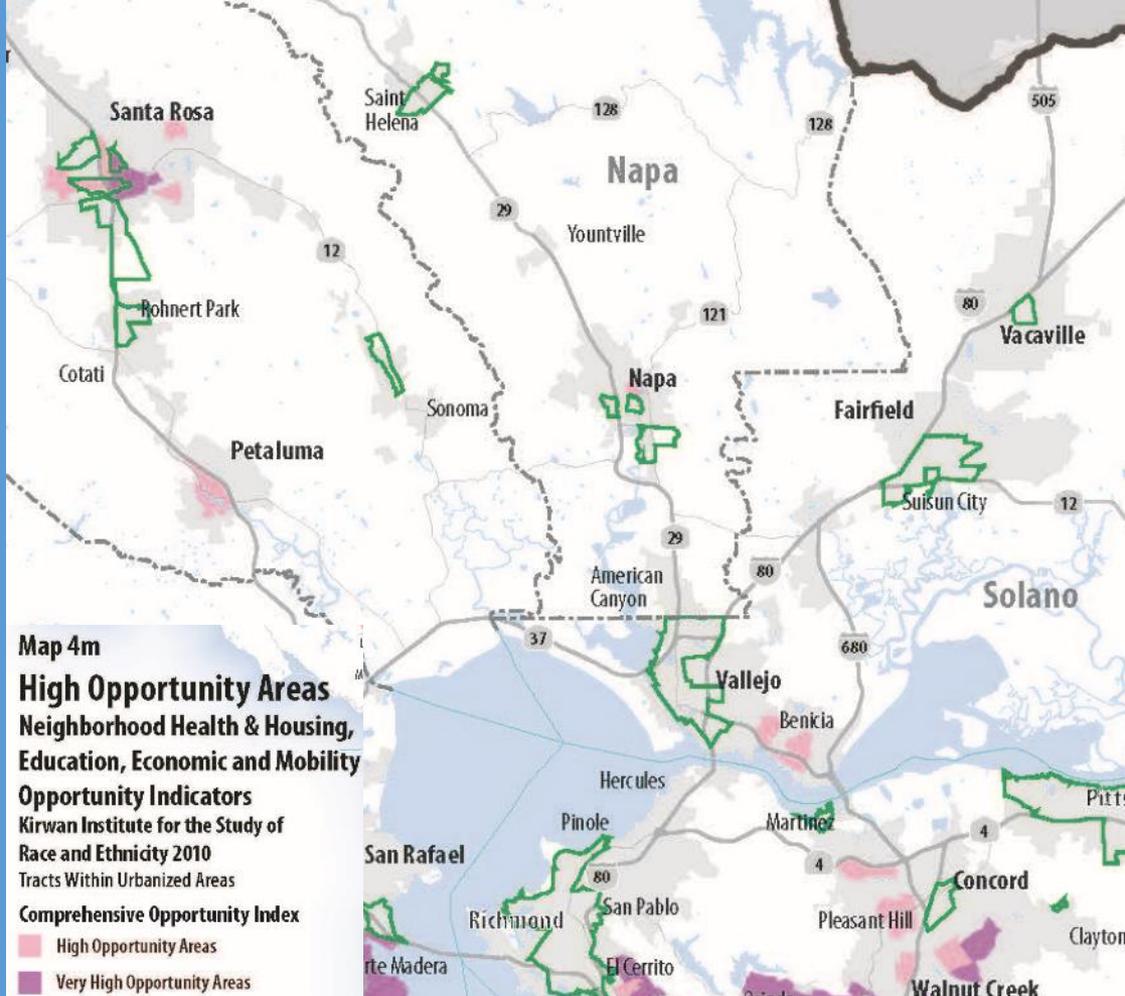
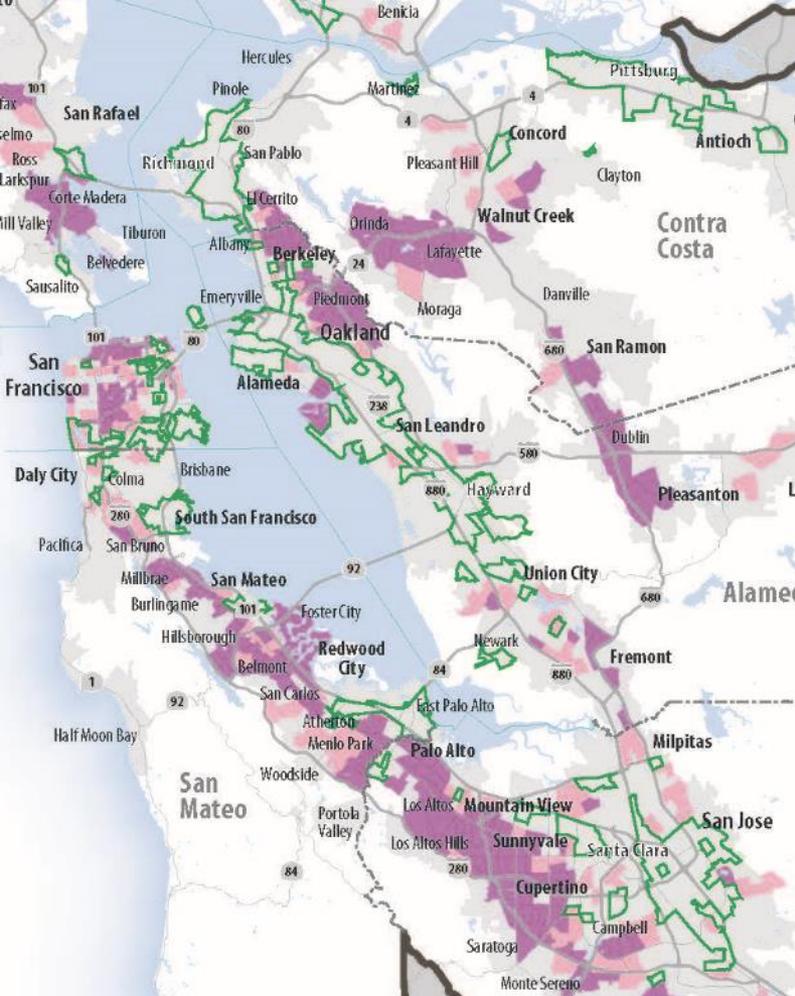
Contaminated Sites and Pollutants

% in High-/Very-High Opportunity Areas



Proximity to
Opportunity

Access to Opportunity



Map 4m
High Opportunity Areas
 Neighborhood Health & Housing, Education, Economic and Mobility Opportunity Indicators
 Kirwan Institute for the Study of Race and Ethnicity 2010
 Tracts Within Urbanized Areas

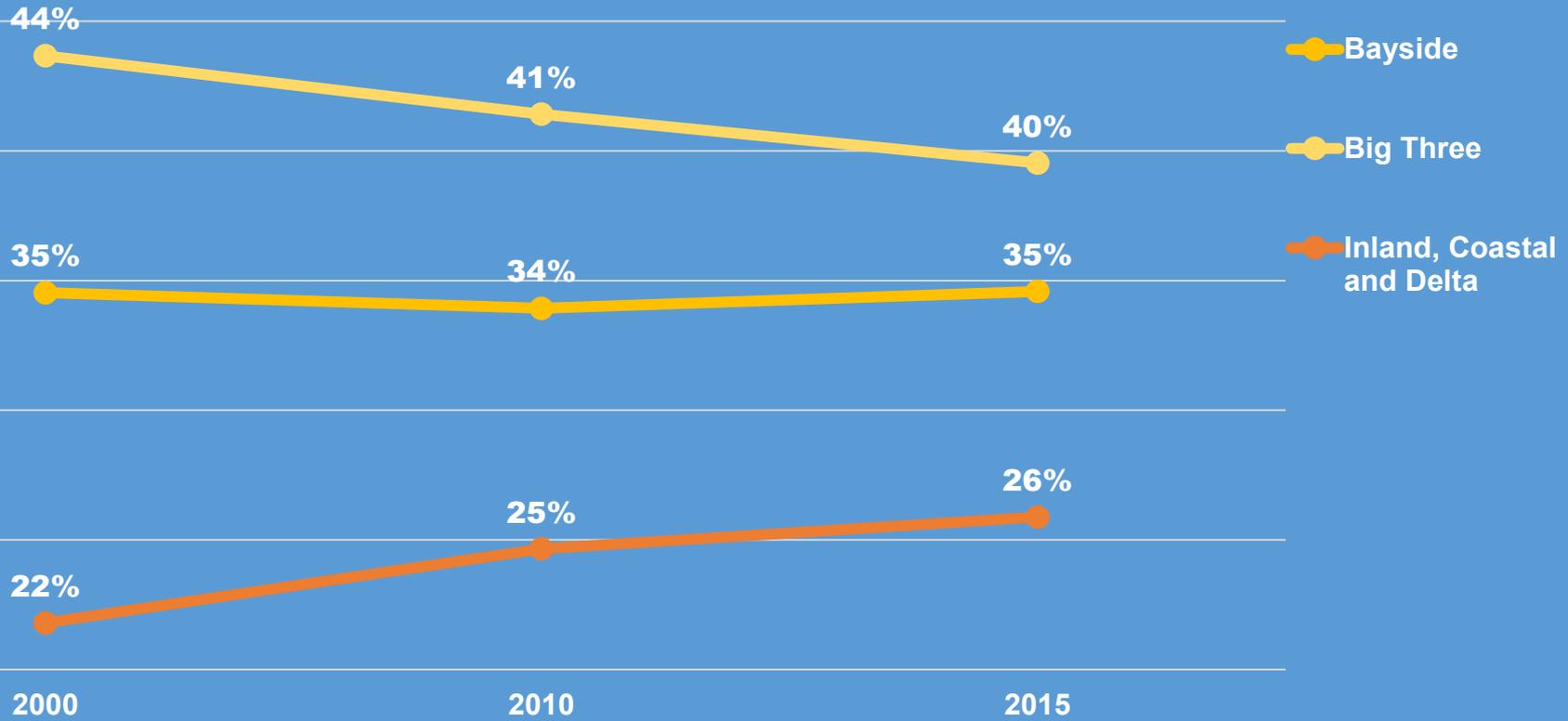
Comprehensive Opportunity Index

- High Opportunity Areas
- Very High Opportunity Areas

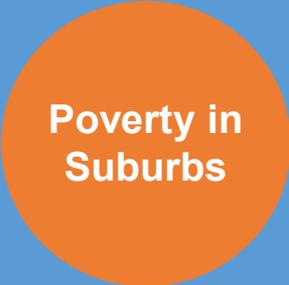
Proximity to Opportunity

Access to Opportunity

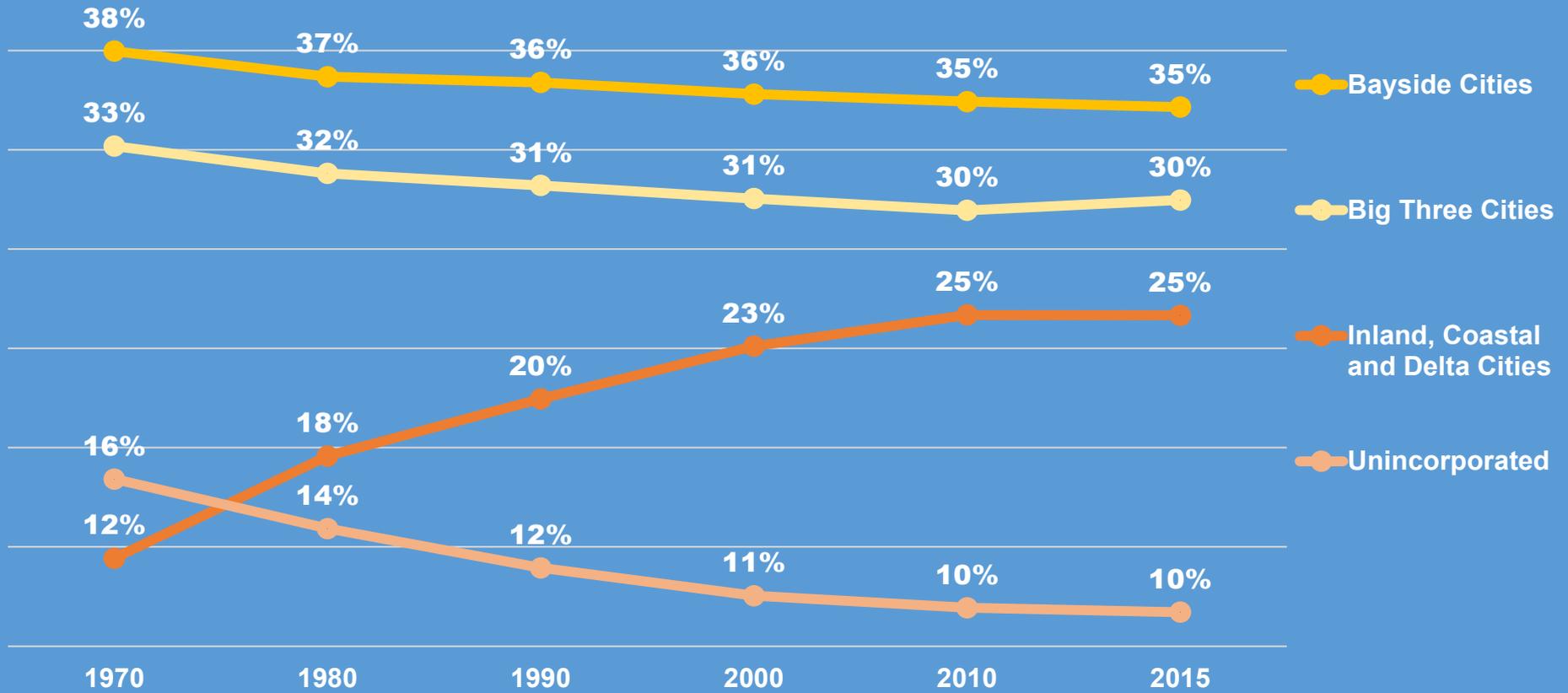
% of Low-Income Population by Jurisdiction Type



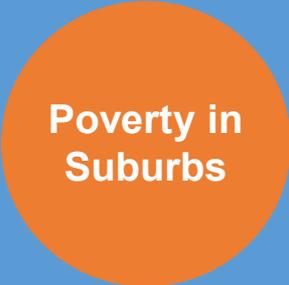
**Poverty in
the Suburbs**



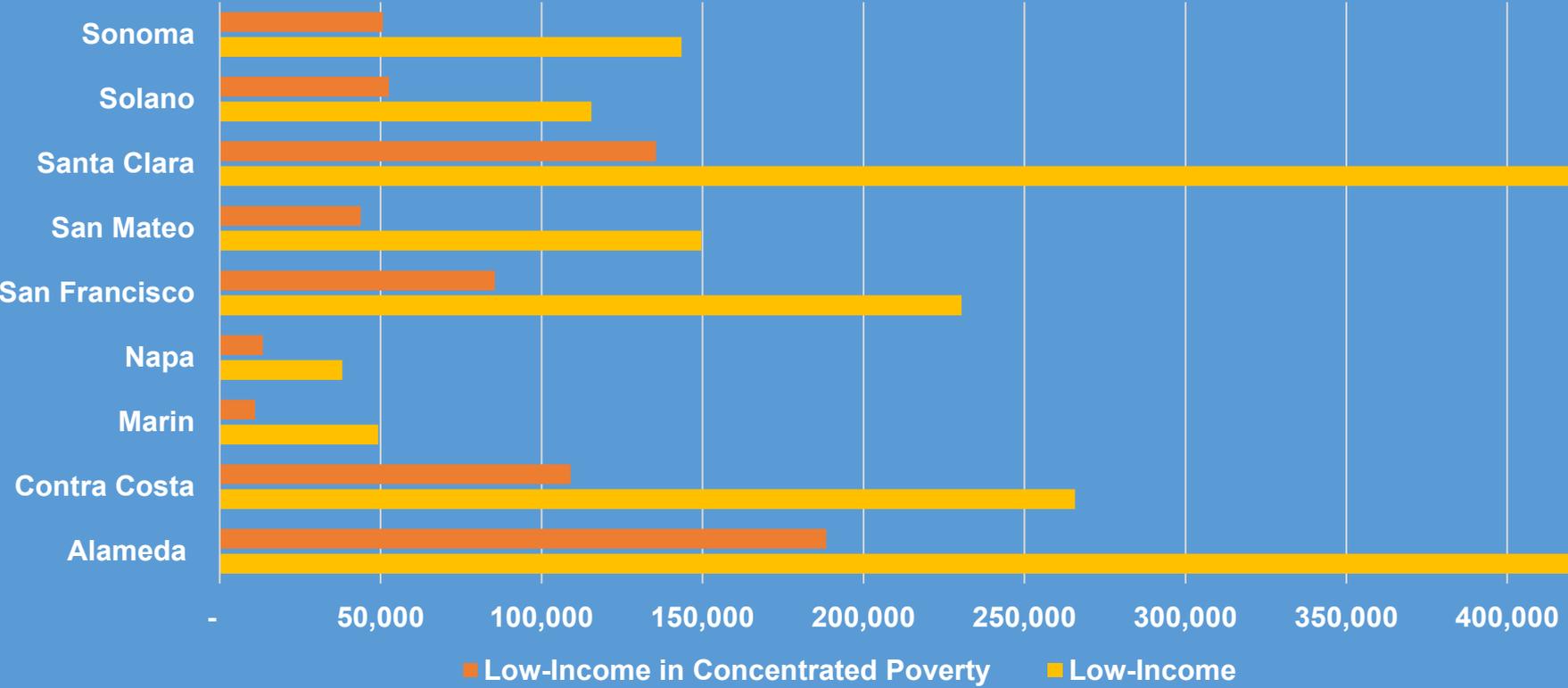
Population by Jurisdiction Type



Poverty in the Suburbs



Low-Income Population in Concentrated Areas of Poverty



Concentrated Poverty



Additional Data Tables for Research Papers

Walkability

Table WK-1: Population Subgroups by Walk Score, Bay Area, 2014

	Population	Walkability Score >3.5 (Regional Average)		Walkability Score >15 (High Walkability)	
		#	%	#	%
Minority	4,305,728	750,634	17%	150,543	3%
White Alone	3,033,234	548,651	18%	138,951	5%
Low-Income	1,837,830	400,957	22%	96,843	5%
Limited English Proficiency	608,257	135,414	22%	38,156	6%
Zero-Vehicle Household	257,291	140,131	54%	73,495	29%
Senior	428,461	169,789	40%	43,306	10%
People with a Disability	673,901	133,519	20%	38,944	6%
Single-Parent Family	233,650	37,244	16%	5,607	2%
Cost-Burdened Renter	290,365	88,577	31%	25,830	9%
Bay Area	7,338,962	1,335,285	18%	289,494	4%

Source: American Community Survey 2010-2014, MTC Analysis (2006 Business Location Data)

Table WK-2: Walk Score by County, Bay Area, 2014

	Average Walkability Score	Census Tracts				
		Total	Walkability Score > 3.5 (Regional Average)		Walkability Score > 15	
Alameda	2.8	361	89	27%	4	5%
Contra Costa	1.1	208	10	3%	0	0%
Marin	1.1	56	1	0%	0	0%
Napa	1.3	40	4	1%	0	0%
San Francisco	15.4	197	147	45%	70	95%
San Mateo	2.1	158	28	9%	0	0%
Santa Clara	1.8	372	33	10%	0	0%
Solano	1.0	96	6	2%	0	0%
Sonoma	1.1	98	7	2%	0	0%
Bay Area	3.5	1586	325	100%	74	100%

Source: MTC Analysis (2006 Business Location Data)

Access to Opportunity

Table HO-1: Share of Low-Income and Minority Population by Level of Disadvantage, Bay Area, 2014

	Communities of Concern		Higher Disadvantage Areas		Highest Disadvantage Areas	
	Low-Income	Minority	Low-Income	Minority	Low-Income	Minority
Alameda	23%	24%	43%	31%	23%	14%
Contra Costa	14%	13%	32%	25%	14%	11%
Marin	3%	2%	16%	16%	11%	10%
Napa	2%	1%	1%	1%	1%	1%
San Francisco	12%	11%	33%	25%	17%	13%
San Mateo	8%	10%	32%	21%	9%	7%
Santa Clara	23%	28%	30%	20%	16%	10%
Solano	6%	6%	19%	15%	3%	3%
Sonoma	8%	4%	0%	0%	0%	0%
Bay Area	25%	59%	30%	22%	15%	10%

Source: American Community Survey 2010-2014, Kirwan Institute, MTC Analysis

Table HO-2: Low-Income and Minority Population by Type of Opportunity Area, Bay Area, 2014

	High and Very High Opportunity Areas				Low and Very Low Opportunity Areas			
	Low-Income		Minority		Low-Income		Minority	
Alameda	65,283	15%	205,302	20%	140,380	33%	281,267	27%
Contra Costa	16,252	6%	43,688	8%	110,458	42%	204,223	35%
Marin	9,217	19%	16,218	23%	9,583	19%	14,470	21%
Napa	720	2%	1,015	2%	6,787	18%	9,592	16%
San Francisco	62,254	27%	150,279	31%	28,784	12%	52,122	11%
San Mateo	40,476	27%	160,639	37%	36,015	24%	78,542	18%
Santa Clara	98,728	23%	391,414	32%	87,167	21%	228,432	19%
Solano	1,265	1%	3,545	1%	54,184	47%	111,553	45%
Sonoma	17,716	12%	18,551	11%	65,924	46%	75,054	44%
Bay Area	311,911	17%	990,651	23%	539,282	29%	1,055,255	25%

Source: American Community Survey 2010-2014, Kirwan Institute, MTC Analysis

Poverty Outside PDAs and TPAs

Table TP-1: Share of Low-Income and Minority Population Outside TPAs and PDAs, Bay Area, 2016

	Region		Outside TPAs		Outside PDAs	
	Low-Income	Minority	Low-Income	Minority	Low-Income	Minority
Alameda	28%	67%	21%	27%	37%	46%
Contra Costa	25%	53%	51%	55%	61%	65%
Marin	19%	27%	62%	67%	83%	88%
Napa	27%	44%	83%	82%	83%	82%
San Francisco	28%	59%	0%	0%	29%	34%
San Mateo	20%	59%	26%	31%	58%	62%
Santa Clara	23%	66%	25%	30%	41%	49%
Solano	27%	59%	78%	83%	79%	85%
Sonoma	29%	35%	50%	50%	57%	57%
Bay Area	25%	58%	32%	35%	48%	54%

Source: American Community Survey 2010-2014, MTC Analysis

Concentrated Poverty

Table CP-1: Low-Income Population in Concentrated Areas of Poverty, Bay Area, 2014

	Population		Low-Income Population		Low-Income in Concentrated Poverty	
	#	%	#	%	#	%
Alameda	1,559,308	21%	429,814	28%	188,408	44%
Contra Costa	1,081,232	15%	265,705	25%	109,015	41%
Marin	255,797	3%	49,246	19%	11,023	22%
Napa	138,730	2%	38,121	27%	13,380	35%
San Francisco	829,072	11%	230,442	28%	85,465	37%
San Mateo	739,527	10%	149,629	20%	43,839	29%
Santa Clara	1,841,569	25%	422,167	23%	135,497	32%
Solano	420,030	6%	115,413	27%	52,587	46%
Sonoma	491,203	7%	143,462	29%	50,652	35%
Bay Area	7,356,468	100%	1,843,999	25%	689,866	37%

Source: American Community Survey 2010-2014

Table CP-2: Low-Income and Minority Population in Concentrated Areas of Poverty, Bay Area, 2014

	2000	2014	Change 2000-2014
Census Tracts with >50% Low-Income Population			
Low-Income	187,357	368,056	96%
Minority	130,067	174,193	34%
Census Tracts with >50% Low-Income and >75% Minority Population			
Low-Income	66,116	112,675	70%
Minority	97,461	165,506	70%

Source: American Community Survey 2010-2014, US Decennial Census 2000