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# Hunger Index Update

## Concept, Challenges, Project



## What is the Hunger Index?

- ❑ An aggregate measure of the need for food by the most vulnerable member of our community.
- ❑ An index for comparing performance year-to-year and region-to-region.
- ❑ A measure of how well we are serving those in need in our community.

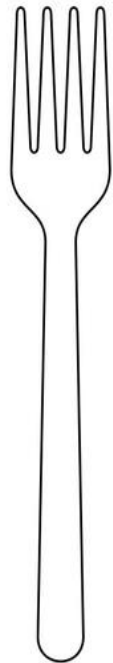


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# THE HUNGER INDEX: CONCEPT



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**Hunger Index = Unmet Need/Total Need**

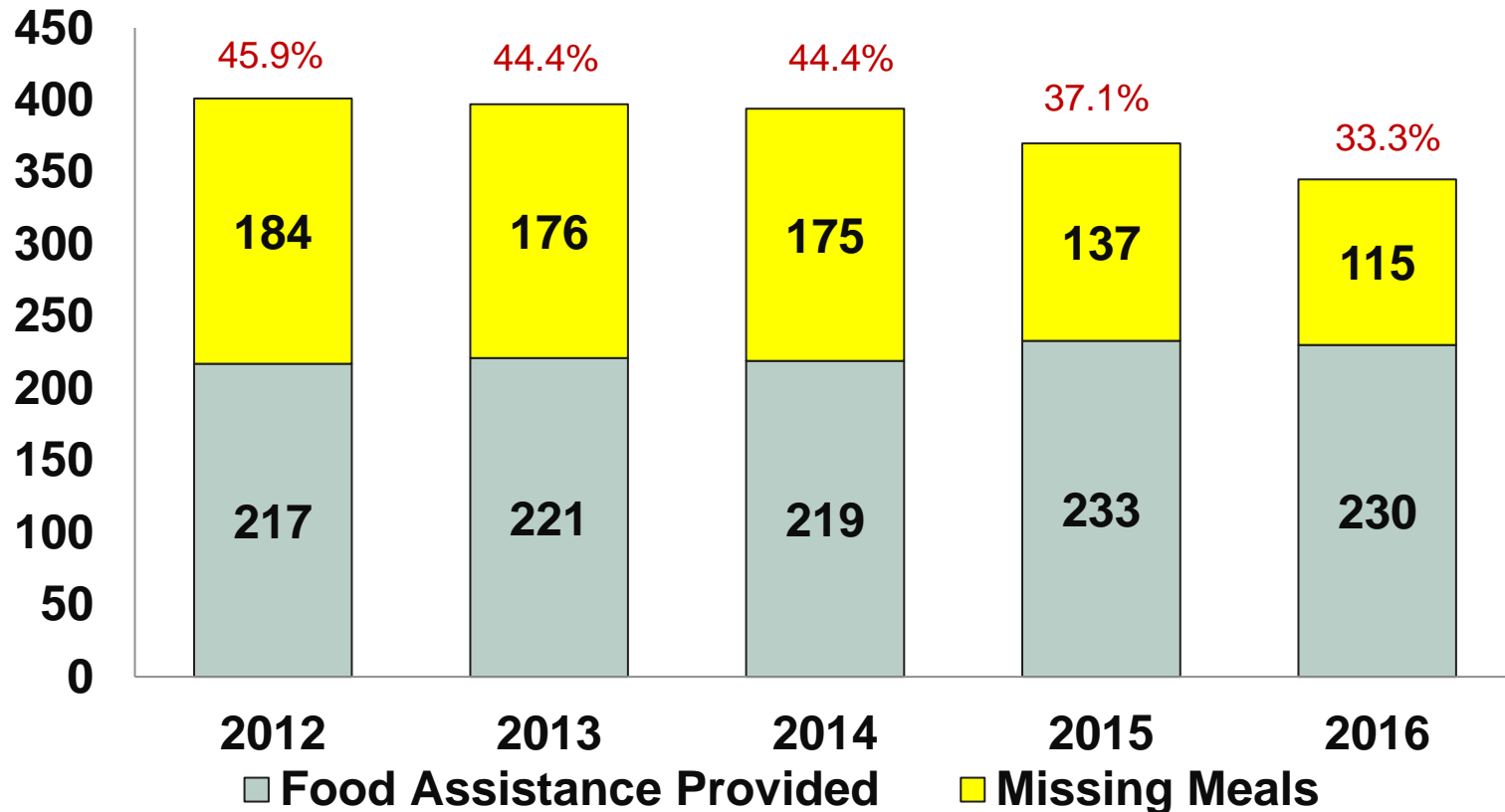


$$= \text{Missing Meals} / (\text{Missing Meals} + \text{Food Assistance})$$



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## SC & SM County Hunger Index 2017 (million meals)





## Challenges

- ❑ Scope
  - ❑ Definition of vulnerability: Income levels
  - ❑ Time period
  - ❑ Geographic specificity
- ❑ Data Availability
  - ❑ Long time until reported.
- ❑ Data Applicability
  - ❑ Data may not match in terms of income categories, time-period, or geography





## Data Sources

- ❑ Need for food data
  - ❑ American Community Survey
  - ❑ Consumer Expenditure Survey
  - ❑ USDA: Cost of Food at Home
  - ❑ US Dept of Commerce: Regional Price Parity Index
- ❑ Food Availability
  - ❑ CalFresh, WIC, CACFP
  - ❑ School Nutrition, Summer Meals, Pandemic EBT
- ❑ Conversion factors
  - ❑ 1 Meal = X pounds = Y dollars



## The Worksheet

Hunger Index Data Worksheet. [Bold means confirmed]

Time Period: *Year ending June 30, 2016*

	<i>Food Needed (TMR and MP)</i>	<i>Source</i>	<i>Santa Clara County</i>	<i>San Mateo County</i>
1	Total population	1	<b>1,919,402</b>	<b>764,797</b>
2	Total households	2	<b>635687</b>	<b>263445</b>
3	Average household size	1	<b>2.96</b>	<b>2.86</b>
4	USDA low cost meal plan for Family of 4, two children 6-8 and 9-11 years old. (\$ per year)	3*	<b>10124.4</b>	<b>10124.4</b>
5	Households with annual income less than \$10,000	4	<b>21,795</b>	<b>7,067</b>
6	Households with annual income between \$10,000 and \$20,000	4	<b>34,691</b>	<b>12,962</b>
7	Households with annual income between \$20,000 and \$30,000	4	<b>29,046</b>	<b>12,144</b>
8	Households with annual income between \$30,000 and \$40,000	4	<b>32,566</b>	<b>11,639</b>
9	Households with annual income between \$40,000 and \$50,000	4	<b>29,036</b>	<b>13,678</b>
10	Annual expenditure on food. (\$ per year) Households with annual income less than \$15,000	5*	<b>3,768</b>	<b>3,768</b>
11	Annual expenditure on food. (\$ per year) Households with annual income between \$15,000 and \$29,999.	5*	<b>4,437</b>	<b>4,437</b>
12	Annual expenditure on food. (\$ per year) Households with annual income between \$30,000 and \$39,999.	5*	<b>5,221</b>	<b>5,221</b>
13	Annual expenditure on food. (\$ per year) Households with annual income between \$40,000 and \$49,999.	5*	<b>6,028</b>	<b>6,028</b>
14	Annual expenditure on food. (\$ per year) Households with annual income between \$50,000 and \$69,999.	5*	<b>6,739</b>	<b>6,739</b>



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## Six Year Trend in Sources of Food Assistance in Santa Clara and San Mateo Counties, 2017-2022

### FOOD ASSISTANCE PROVIDED

#### Santa Clara County

<i>Program / Agency Program (000 meals)</i>	<i>2016-17</i>	<i>2017-2018</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>2021-22</i>
Pandemic EBT				18962	9205	17251
Senior Nutrition	1413	1448	1401	1647	2324	2081
Summer Meals	505	567	530	8175	20810	32802
School Meals (Breakfast, Lunch) Free and Reduced	19971	19656	18833	10223	126	182
SNAP (CALFRESH)	68394	59039	50625	53799	89158	118251
WIC (Women, Infants, and Children)	7591	6980	6446	5369	5793	6825
Second Harvest Food Bank	41432	40051	43397	54931	82236	76446
Food from Other Sources (FOS)	20407	14814	20780	10663	14505	11100
CACFP	5383	5378	5401	4399	5944	3815
<b>Total FAP (Food Assistance Provided)</b>	<b>165096</b>	<b>147934</b>	<b>147433</b>	<b>168168</b>	<b>230101</b>	<b>268753</b>

\* estimated



## Project Scope and Timeline

Task	Milestone	Completion
1	Written review of past work on the hunger index in designated counties for identified communities.	12/31/2023
2	Propose updated methodology.	03/31/2024
3	Compute new index with latest available data	06/30/2024
4	Prepare annual update	07/31/2024 07/31/2025
5	Training materials for future analysts	07/31/2025