Board of Supervisors The Novel Coronavirus (COVID-19)

June 16, 2020

Briefing topics

➤ County-wide demographic data

➤ Santa Maria demographic survey results

➤CDPH Monitoring Project status

➤ Information request from Board of Supervisors
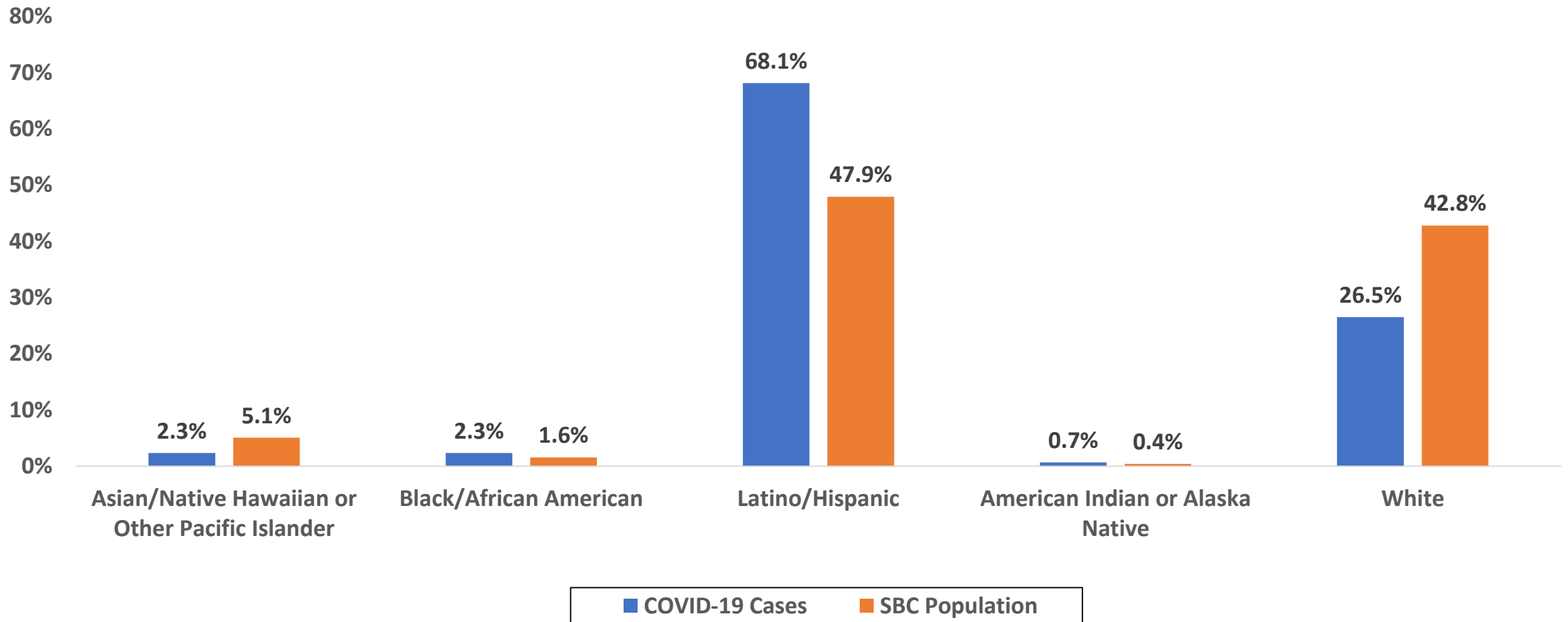
County-wide Demographic Data

Table 1: Confirmed Community COVID-19 Cases by Race/Ethnicity, Age-Adjusted Rates, through May 8th (N=443*)						
Race/Ethnicity	N	%	Age-Adjusted Rate per 100,000	95% CI	SE	RSE
Asian/Native Hawaiian or Other Pacific Islander	7	2.3%		--	--	--
African American	7	2.3%		--	--	--
Latino/Hispanic	203	68.1%	94.8	81.5-108.0	6.8	7.2%
American Indian or Alaska Native	2	0.7%	--	--	--	--
White	79	26.5%	37.5	28.9-46.1	4.4	11.7%
* 145 Missing or Unknown Race values are not included in the table; Rates for Asian/Native Hawaiian or Other Pacific Islander, African American, American Indian were not included due to an RSE over 30% and small cell size.						

Confirmed COVID-19 Community Cases by Race/Ethnicity vs SBC Race/Ethnicity Estimates*

Legend: ■ COVID-19 Cases ■ SBC Population

Race/Ethnicity	COVID-19 Cases	SBC Population
Asian/Native Hawaiian or Other Pacific Islander	2.3%	5.1%
Black/African American	2.3%	1.6%
Latino/Hispanic	68.1%	47.9%
American Indian or Alaska Native	0.7%	0.4%
White	26.5%	42.8%

*145 of the 443 confirmed COVID-19 community cases have unknown or missing race/ethnicity and not included in the chart; SBC population estimates by race/ethnicity per California Department of Finance, 2020.

Confirmed Cases

Table 2: Confirmed Community COVID-19 Cases by Census Tract Poverty Level, Age-Adjusted Rates through May 8th* (N=443*)						
Area Poverty	N	%	Age-Adjusted Rate per 100,000	95% CI	SE	RSE
<10% area poverty	188	44.8%	97.4	83.4-111.5	7.2	7.4%
10% to <20% area poverty	132	31.4%	93.7	77.6-109.8	8.2	8.8%
20% to <30% area poverty	88	21.0%	141.1	110.7-171.6	15.5	11.0%
30% to 100% area poverty	12	2.9%	--	--	--	--
* 23 cases of the 443 did not have census tract or poverty level data and therefore not presented in this table.						

Hospitalizations

Table 4: Community COVID-19 Cases with Race/Ethnicity* Hospitalized through May 8th		
Race/Ethnicity	Count	% of Hospitalizations
Asian/Native Hawaiian or Other Pacific Islander	<5	--
African American	<5	--
Latino/Hispanic	50	56.2%
American Indian or Alaska Native	<5	--
White	25	28.1%
Unknown	10	11.2%
Total	89	100%
* Ever hospitalized and COVID positive		

Deaths

Table 3: Community Confirmed COVID-19 Deaths by Race/Ethnicity, Age-Adjusted Rates, through May 8th* (N=7)						
Race/Ethnicity	N	Non-Missing %	Age-Adjusted Rate per 100,000	95% CI	SE	RSE
Asian/Native Hawaiian or Other Pacific Islander	<5	--	--	--	--	--
African American	<5	--	--	--	--	--
Latino/Hispanic	5	71%	--	--	--	--
American Indian or Alaska Native	<5	--	--	--	--	--
White	<5	--	--	--	--	--
* Data was extracted from Vital Records Death Certificates where COVID-19 was listed as an underlying cause of death.						

Summary Findings

➤ COVID-19 confirmed cases and deaths are higher among Latinos than among Whites

- When hospitalized, acuity and length of stay is also higher in Latinos

➤ Clear association between lower incomes and increased rates of testing and confirmed cases

➤ More persons with lower income are seeking out testing and are testing positive

➤ The initial COVID-19 cases interviewed by PHD mostly had private insurance

- May indicate that those with public insurance and those who are uninsured are not being tested

➤ Low death count in Santa Barbara County

Strategies

1. Ensure access to testing for highly impacted communities
2. Integrate testing with care coordination for highly impacted communities
3. Facilitate access to other supportive resources
4. Continue to support local and national policies and alleviate the burden of this disease and promote more equitable investment in our communities
5. Provide more inclusive data collection, reporting and deeper analyses to understand the unique risk and preventive factors among highly impacted communities
6. Contact tracing and tracking
7. Strengthen and tailor communication strategies to increase language access and conduct more robust outreach, education, and community engagement

PHD Next Steps

1. Ensure those at high-risk for COVID-19 have access to health insurance, primary care, and safety net programs

2. Continue to expand testing to communities at-risk for COVID-19

Additional Information Available in Report

➢ Percent of Confirmed COVID-19 Community Cases by Race/Ethnicity and Age Group

➢ Confirmed COVID-19 Community Cases by Census Tract Poverty Level, Age-Adjusted Rates

➢ Confirmed COVID-19 Community Patients Hospitalized by Race/Ethnicity* and ICU Admissions

➢ Length of Stay for Hospitalized Community COVID-19 Positive Patients Who Have Been Discharged, by Age Group

➢ Percent of Lompoc FCI COVID-19 Incarcerated Cases by Race/Ethnicity and Age Group

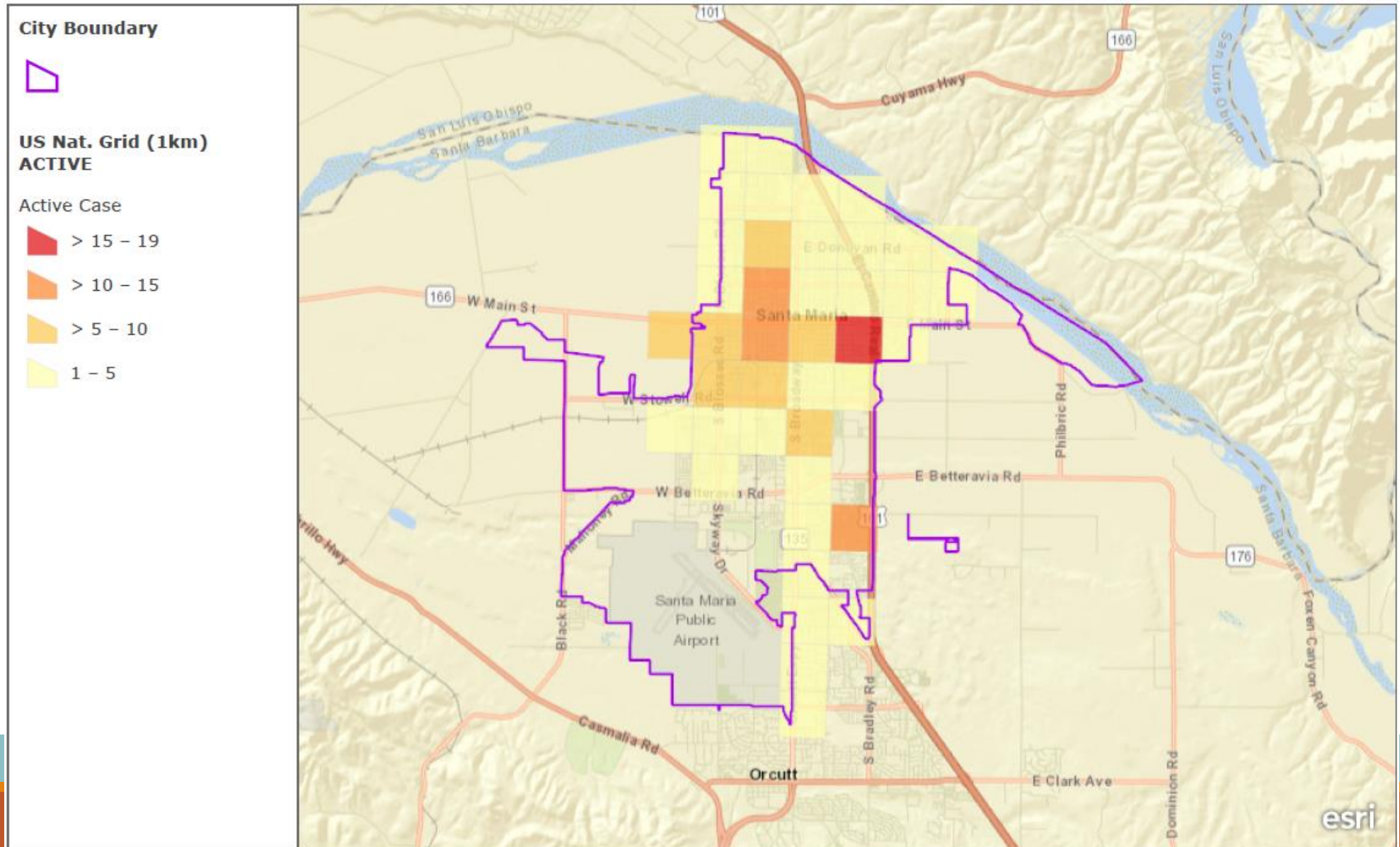# Santa Maria (SM) Confirmed Cases

Data as of May 27, 2020

Background

➢The first cases of COVID-19 in Santa Barbara County were identified in North County

➢Over the past several months, Santa Maria has seen elevated rates of COVID-19

➢In order to better understand the situation in Santa Maria, the Santa Barbara County Public Health Department analyzed available data on confirmed cases
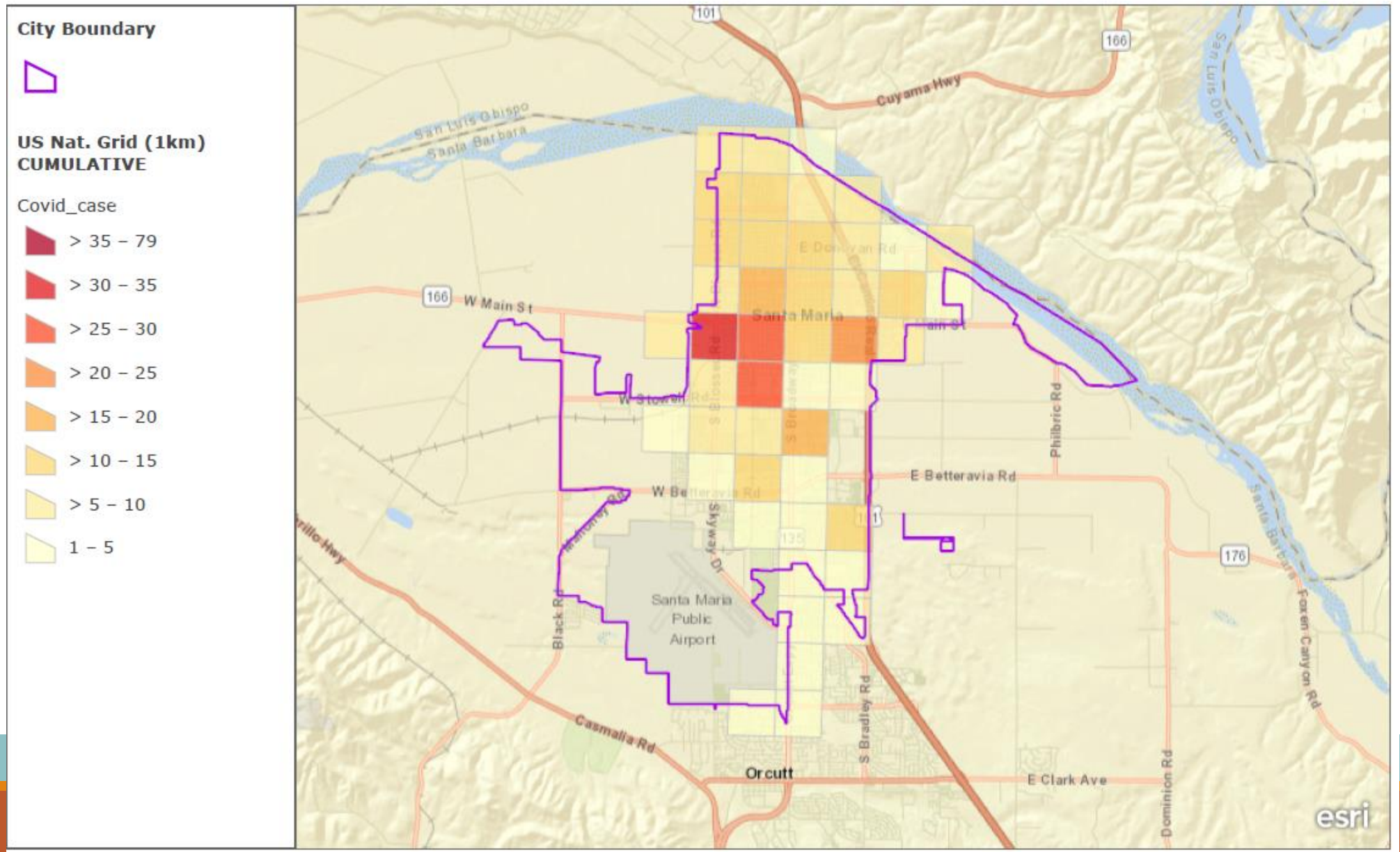
Cumulative Case Rate
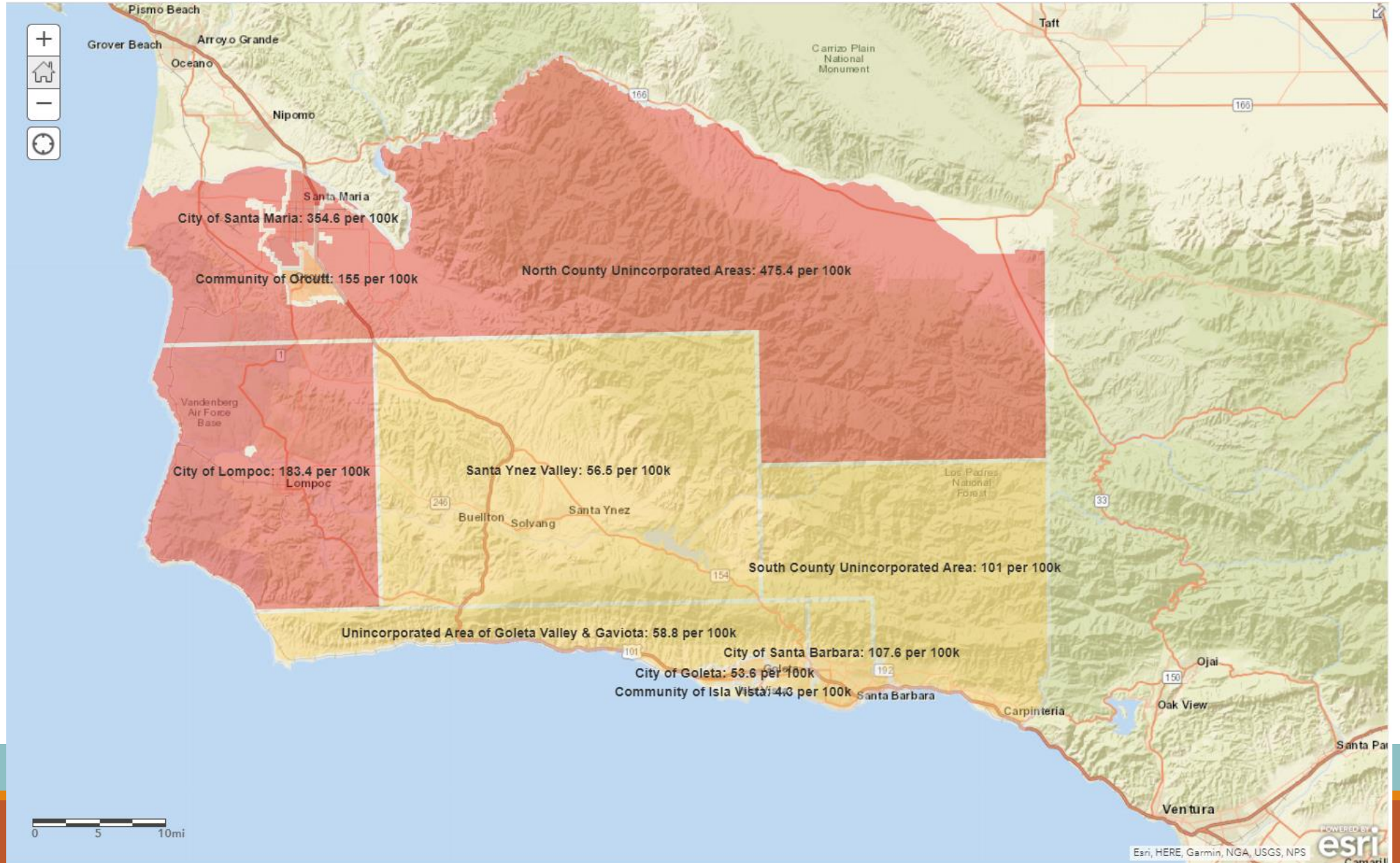
Active cases per 1 sq km
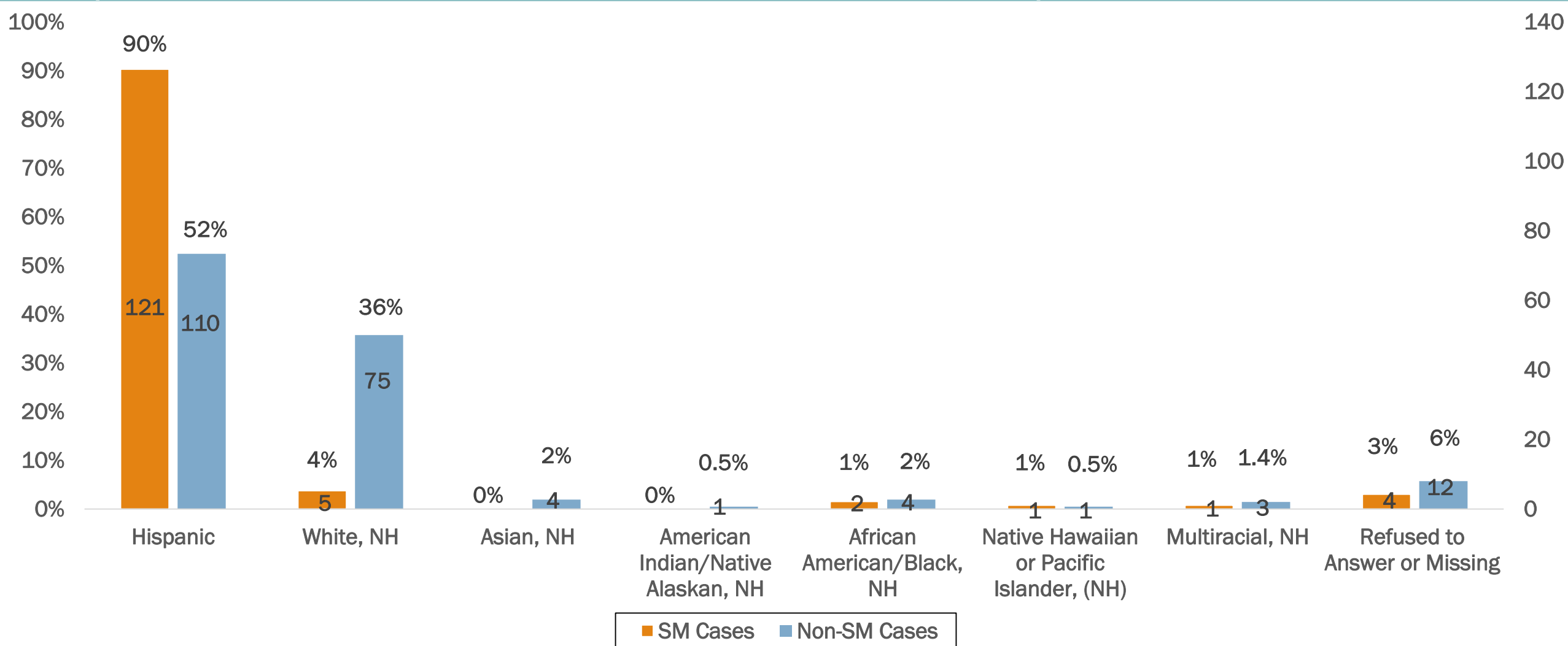
Cumulative Cases per 1 sq km

Data Overview

➢ Data source is cases who agreed to be interviewed

➢ Total Confirmed Cases with demographic data (excluding inmates): N= 344
- Total Confirmed Cases with GIS Region Santa Maria (SM Cases): n=134
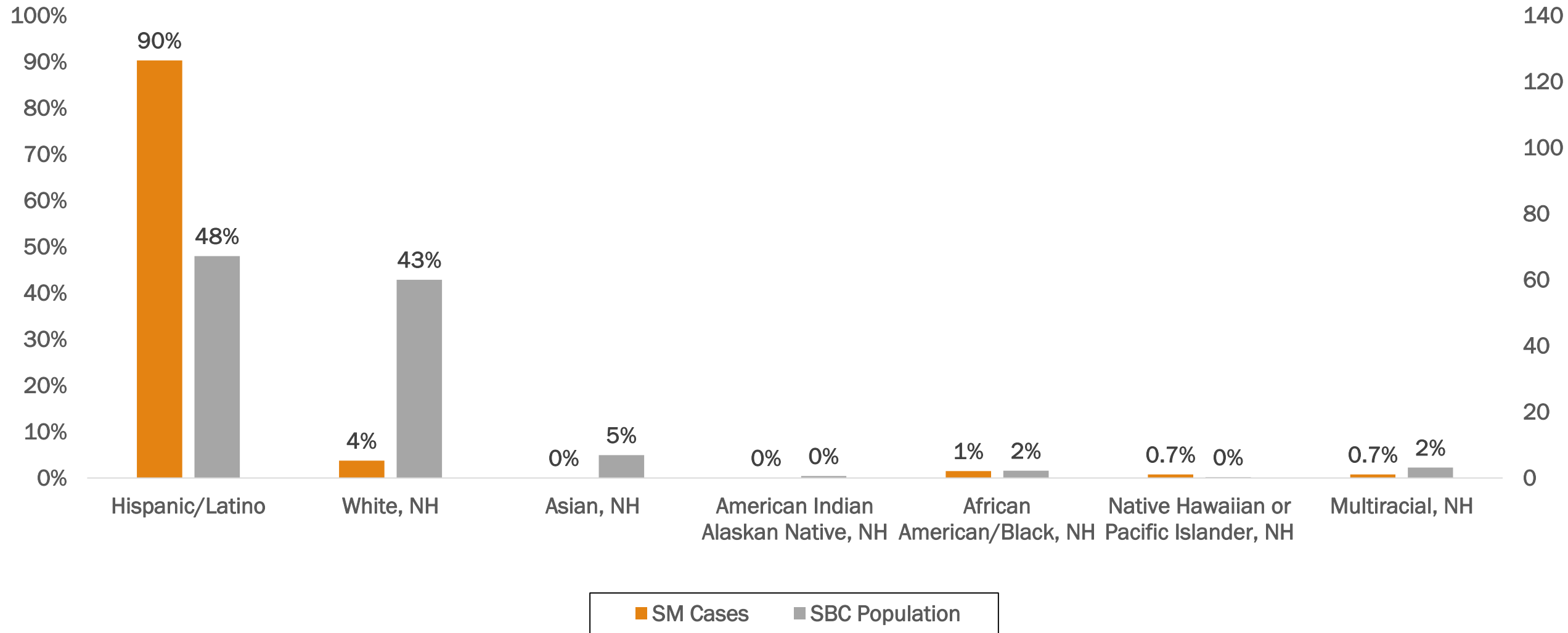- Total Confirmed Cases with Other GIS Region (Non-SM Cases): n=210

Race/Ethnicity of Cases
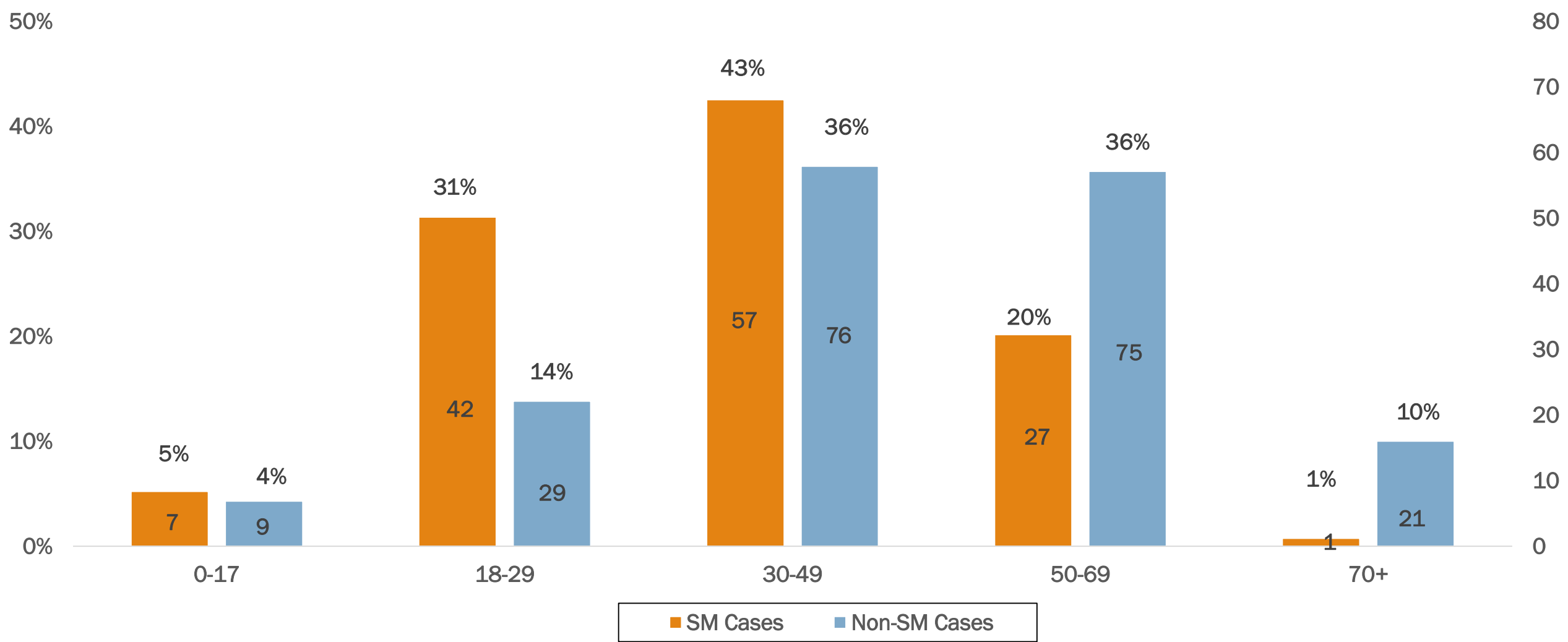## (SM Cases, n=134 vs Non-SM Cases, n=210)

Category	SM Cases	Non-SM Cases
Hispanic	90% (121)	52% (110)
White, NH	4% (5)	36% (75)
Asian, NH	0%	2% (4)
American Indian/Native Alaskan, NH	0%	0.5% (1)
African American/Black, NH	1% (2)	2% (4)
Native Hawaiian or Pacific Islander, (NH)	1% (1)	0.5% (1)
Multiracial, NH	1% (1)	1.4% (3)
Refused to Answer or Missing	3% (4)	6% (12)

Legend: ■ SM Cases ■ Non-SM Cases

Race/Ethnicity of SM Cases vs Population

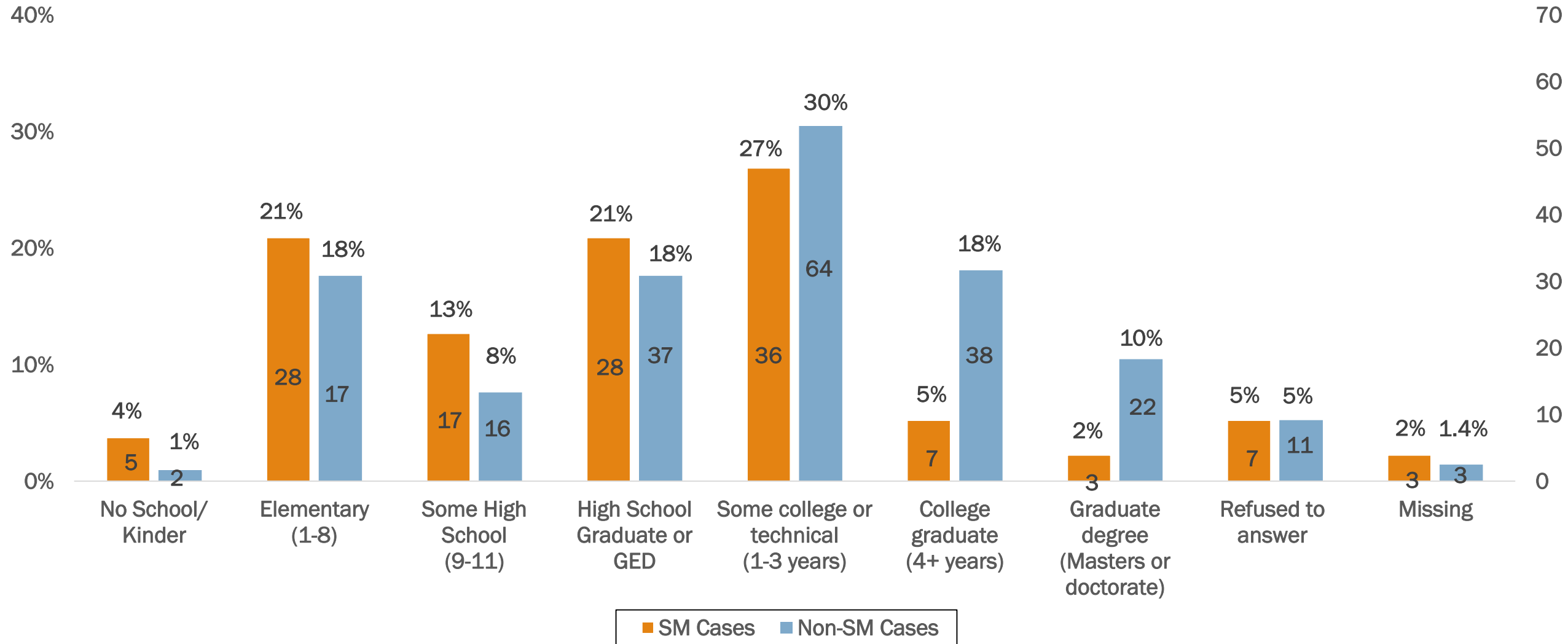Primary Language Comparison
(SM Cases, n=134 vs Non-SM Cases, n=210)
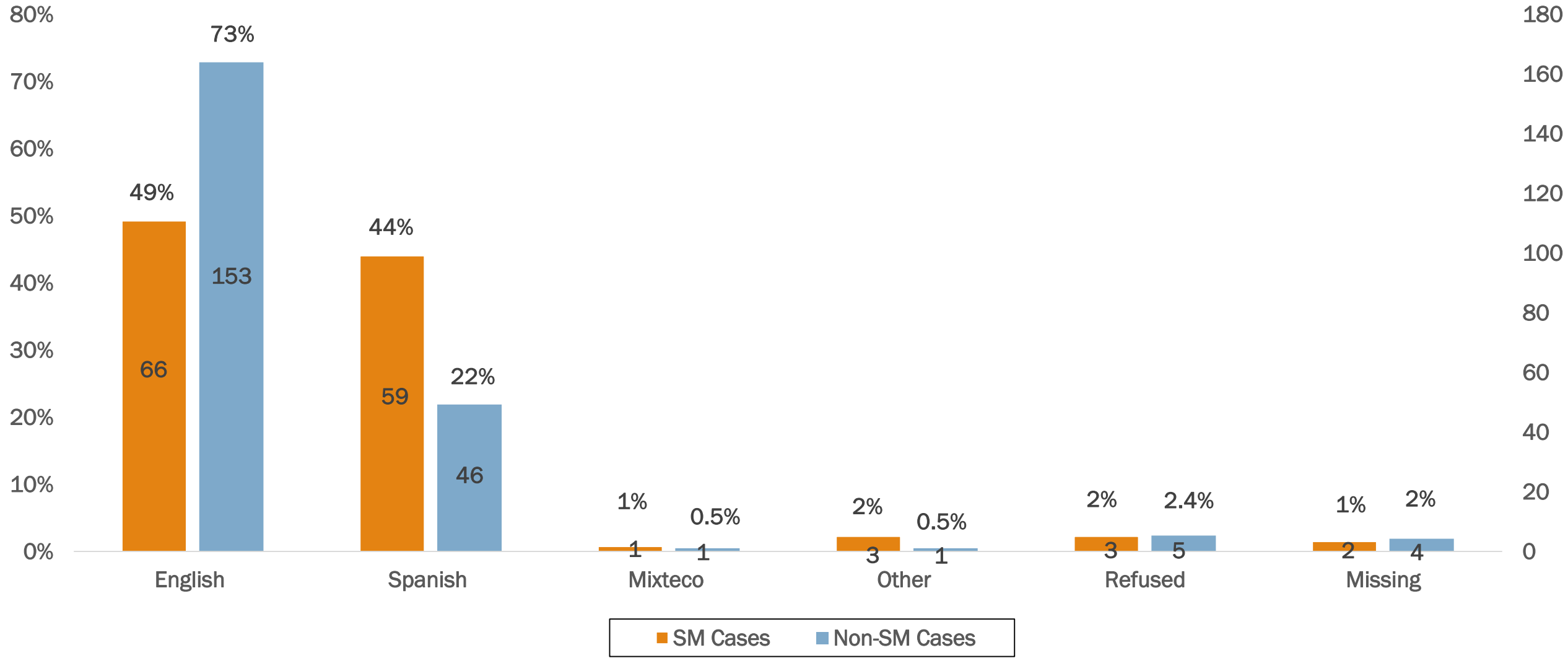
Education Level Comparison
(SM Cases, n=134 vs Non-SM Cases, n=210)

Bar chart comparing education levels between SM Cases and Non-SM Cases.

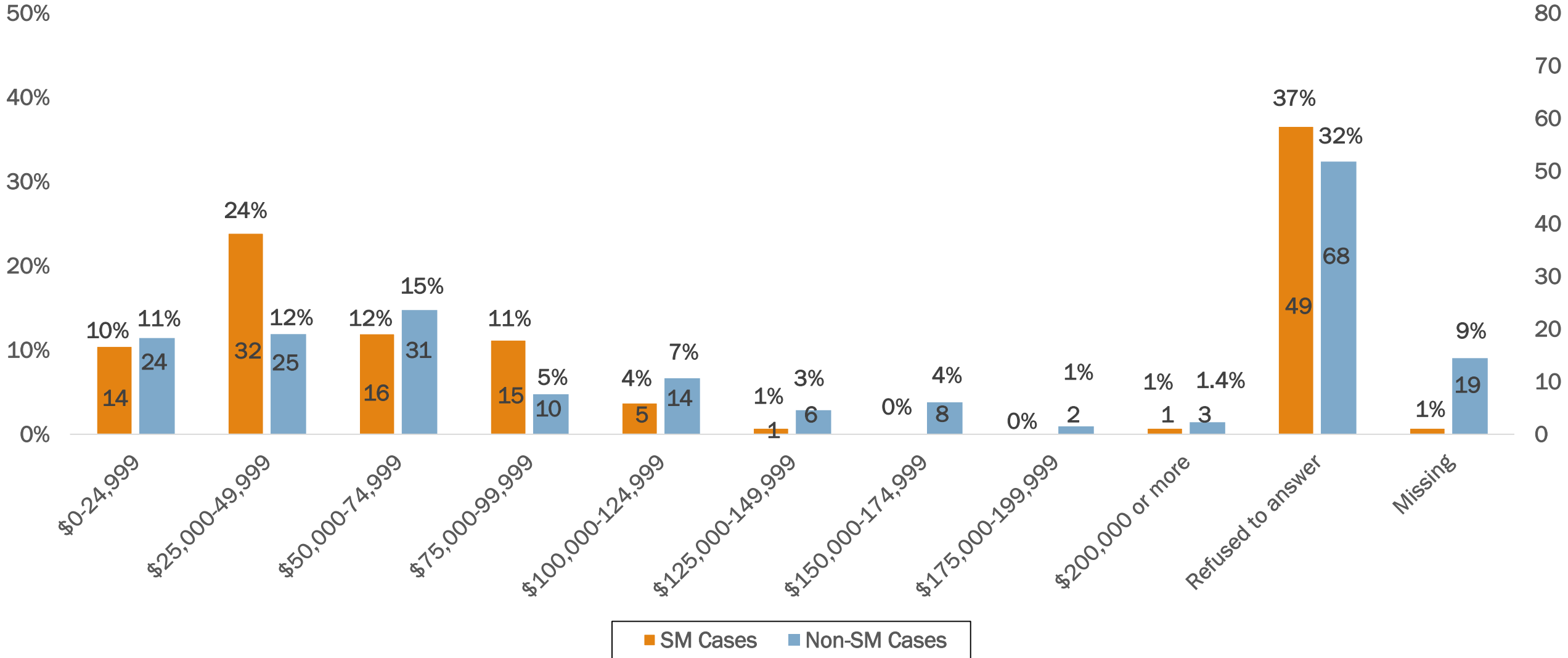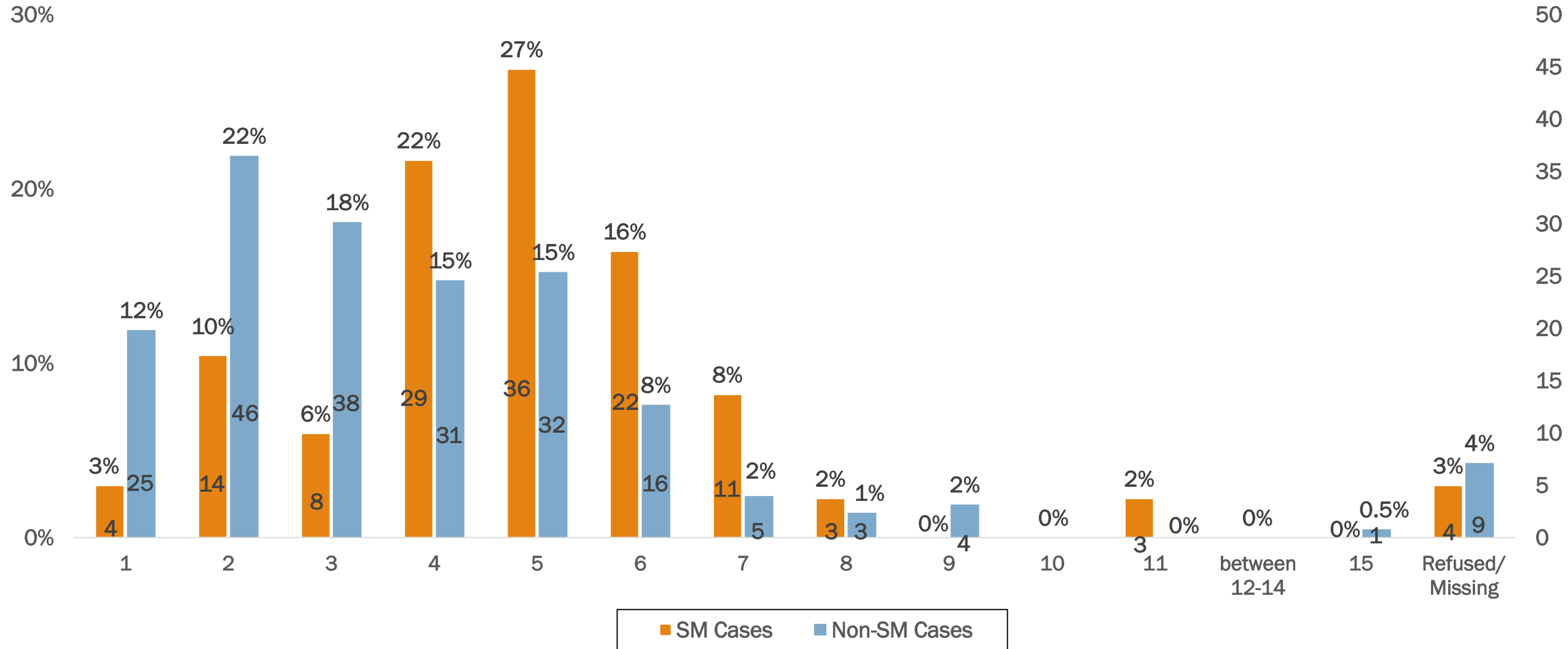| Education Level	SM Cases	Non-SM Cases
No School/Kinder	4% (5)	1% (2)
Elementary (1-8)	21% (28)	18% (17)
Some High School (9-11)	13% (17)	8% (16)
High School Graduate or GED	21% (28)	18% (37)
Some college or technical (1-3 years)	27% (36)	30% (64)
College graduate (4+ years)	5% (7)	18% (38)
Graduate degree (Masters or doctorate)	2% (3)	10% (22)
Refused to answer	5% (7)	5% (11)
Missing	2% (3)	1.4% (3)

Annual Household Income Comparison
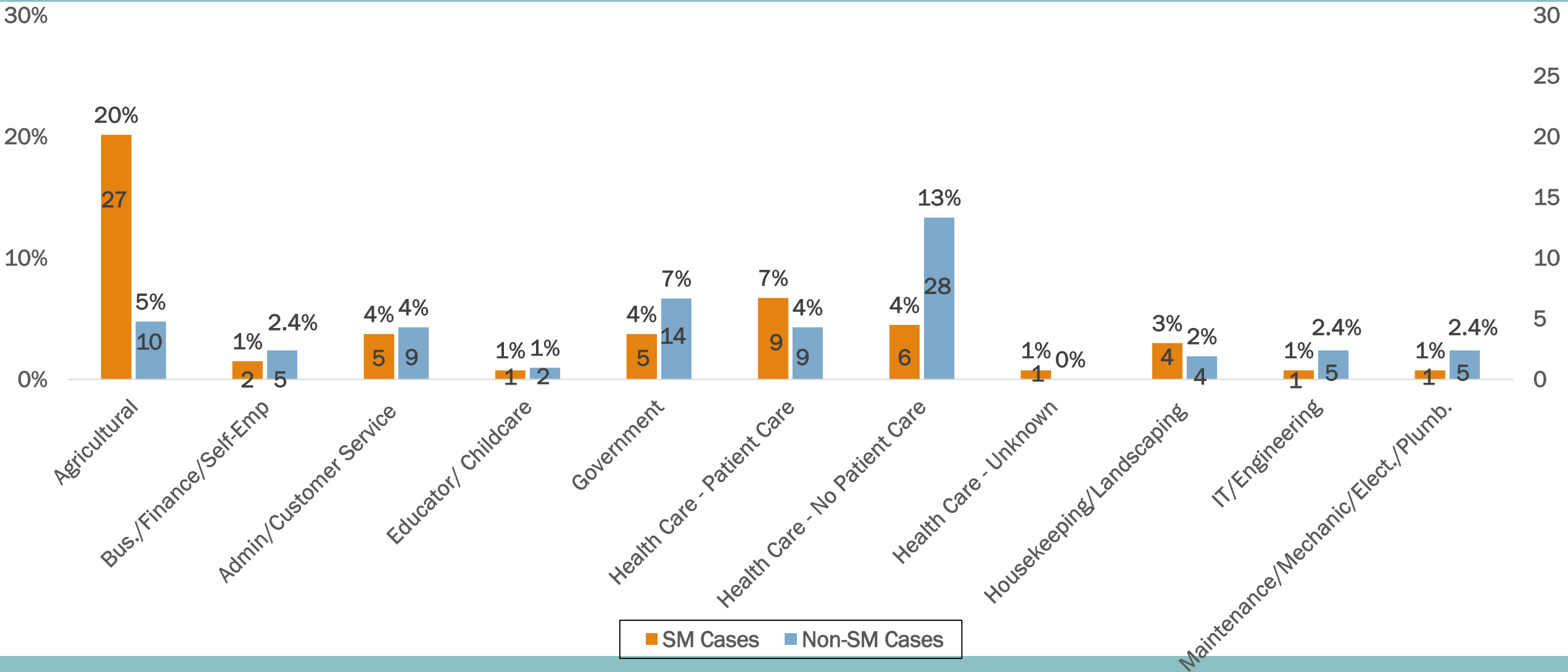(SM Cases, n=134 vs Non-SM Cases, n=210)

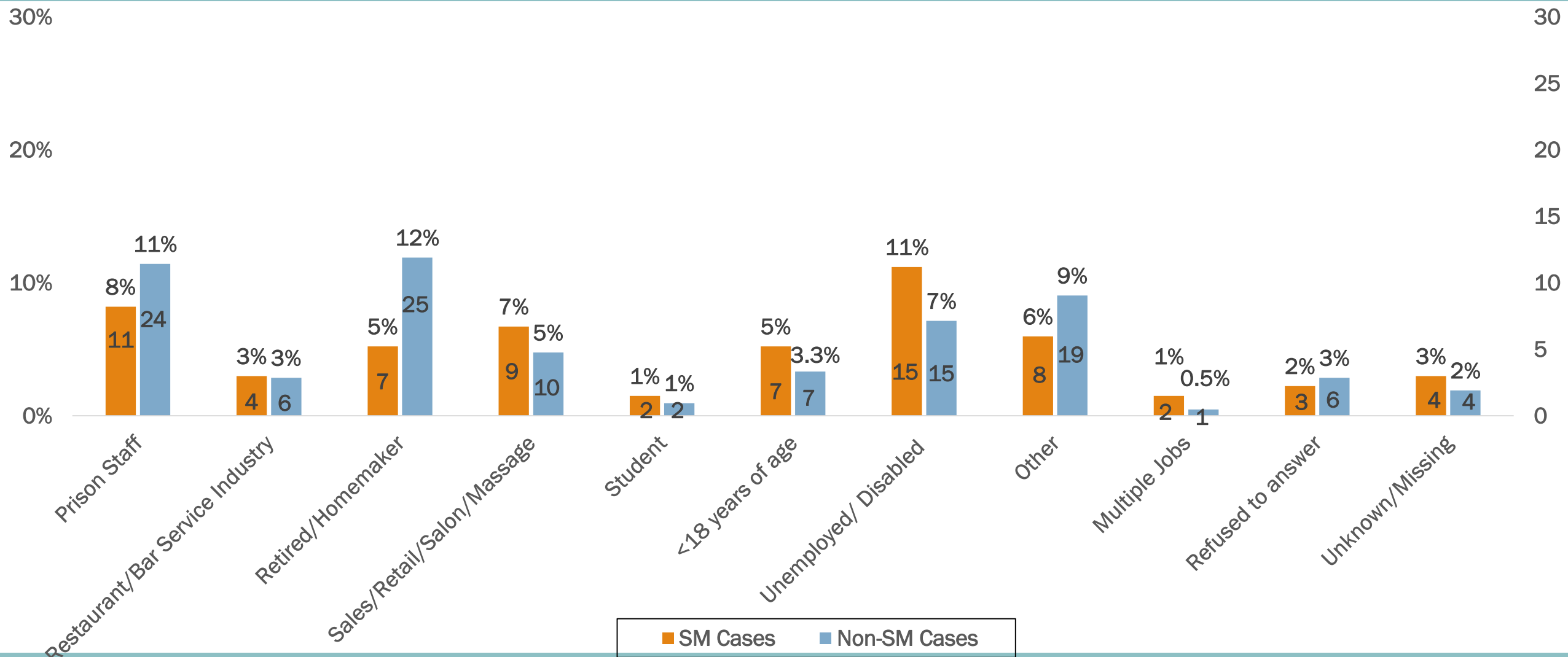Household Size Comparison
(SM Cases, n=134 vs Non-SM Cases, n=210)

Occupation Comparison Part 1
(SM Cases, n=134 vs Non-SM Cases, n=210)

Chart comparing occupation categories between SM Cases (orange) and Non-SM Cases (blue):

Occupation	SM Cases	Non-SM Cases
Agricultural	20% (27)	5% (10)
Bus./Finance/Self-Emp	1% (2)	2.4% (5)
Admin/Customer Service	4% (5)	4% (9)
Educator/ Childcare	1% (1)	1% (2)
Government	4% (5)	7% (14)
Health Care - Patient Care	7% (9)	4% (9)
Health Care - No Patient Care	4% (6)	13% (28)
Health Care - Unknown	1% (1)	0%
Housekeeping/Landscaping	3% (4)	2% (4)
IT/Engineering	1% (1)	2.4% (5)
Maintenance/Mechanic/Elect./Plumb.	1% (1)	2.4% (5)

Legend: SM Cases (orange), Non-SM Cases (blue)

Occupation Comparison Part 2
(SM Cases, n=134 vs Non-SM Cases, n=210)

Additional Occupation Information

- The previous slides showed occupation data from cases, who agreed to be interviewed
- Another source of data is from the Disease Control investigation staff who speak with nearly every case
- The following two slides will present information collected by investigators

Additional Occupation Information

Community Cases as of 6/11/20	County-wide	North County	Santa Maria/ Guadalupe/ Orcutt
Total Number of Agricultural Workers	142	139	131
Total Number of Cases ages 18-69	773	582	505
% of Agricultural Workers	18.4%	23.9%	25.9%

Key Data Findings for Santa Maria Cases

- Insurance coverage: 73% yes & 24% no
- Heard about COVID 19: 87% from TV news
- Knowledge about COVID 19: 27% somewhat; 34% moderate
      20% Extremely knowledgeable
- Knowledge of handwashing: 92% understood
- Knowledge of social distancing: 70% understood
- Able to practice social distancing at home: 72% yes & 24% no
- Able to practice Social distancing at work: 52% yes & 21% no

Findings

➢ Latinos/Hispanics in Santa Maria represent a disproportionately higher number of cases compared to their representation in Santa Barbara County population and in comparison to Non-SM Cases

➢ When compared to Non-SM Cases, SM Cases:
- have a higher percentage of household size between 4 and 7 individuals
- have more cases who were uninsured and less cases with private insurance
- are more likely to understand and practice social distancing at home and work

Next Steps

➢ Partnership to increase health insurance coverage and access to health car

➢ Partnership to increase preventive messaging

➢ Partnership with employers on preventive measures

➢ Engage Santa Maria community in strategies to decrease spread of disease

CDPH Monitoring Status

| County	Avg # tests per day (per 100,000 population) (7 day average with a 7 day lag)	Elevated Disease Transmission		Increasing Hospitalization	Limited Hospital Capacity	
		Case rate per 100,000 (14 days)	Testing positivity (%) (7 day average with a 7 day lag)	% Change in 3-day avg COVID+ hospitalized patients	% ICU beds currently available	% Ventilators currently available
Threshold	<150 per 100,000	>25 per 100,000	>8%	>10%	<20%	<25%
Threshold for SBC	<675	>112	>8%	>10%	<20%	<25%
SBC Status as of 6/16	99.2	✔️	✔️	**31.50%**	✔️	✔️

Information Request from BOS

Deaths among Santa Barbara County residents from 01/01/2020-05/31/2020 as reported on finalized death certificates

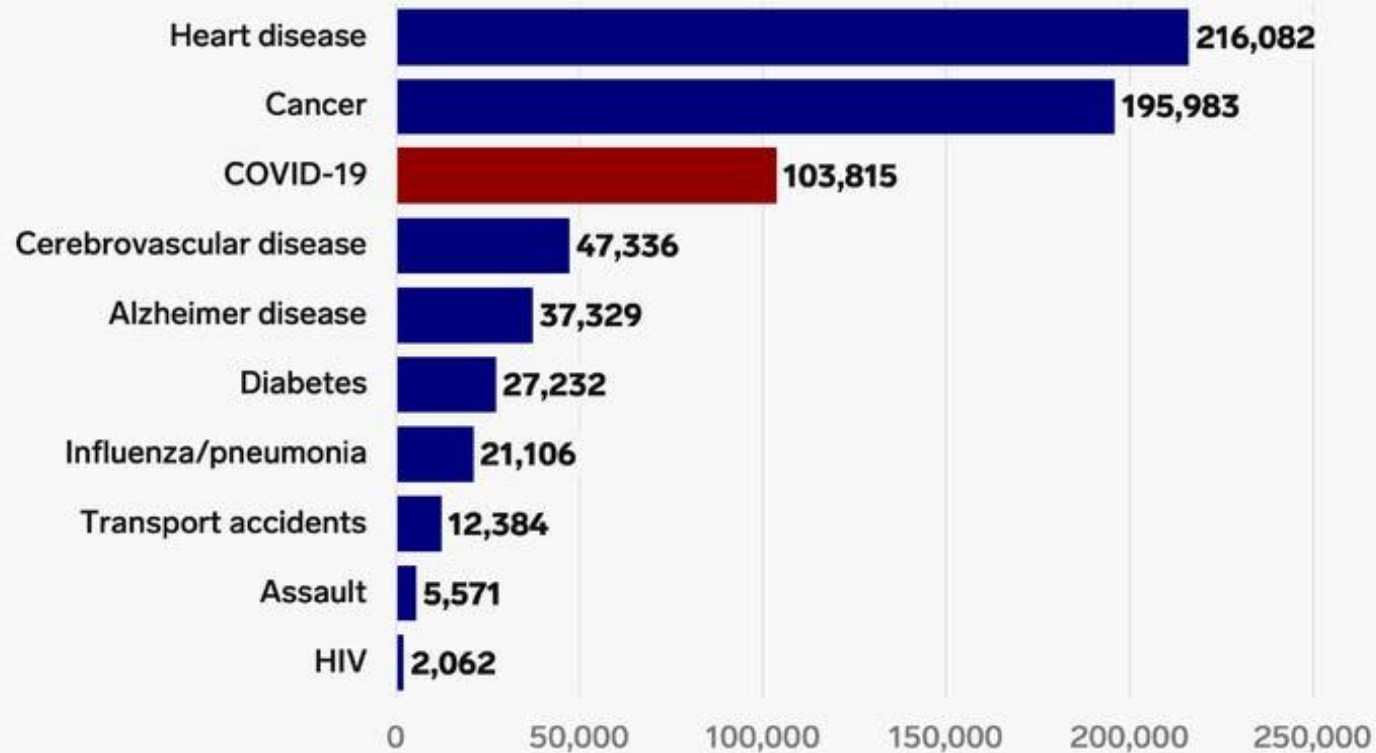| Cause of Death	Frequency	Age-Adjusted Rate	95% CI	SE	RSE
Cancer	273	48.1	42.3-53.9	3.0	6.2%
Heart Disease	271	44.5	39.1-49.9	2.8	6.3%
Alzheimer's Disease	113	17.3	14.1-20.6	1.7	9.8%
Stroke	102	17.1	13.7-20.5	1.7	9.9%
Chronic Lower Respiratory Disease	62	10.6	7.9-13.3	1.4	13.2%
Unintentional Injuries	44	9.1	6.3-11.9	1.4	15.4%
Diabetes	33	5.7	3.7-7.7	1.0	17.5%
Chronic Liver Disease and Cirrhosis	14	2.5	1.2-3.9	0.7	28.0%
Kidney Disease	14	2.2	1.0-3.3	0.6	27.3%
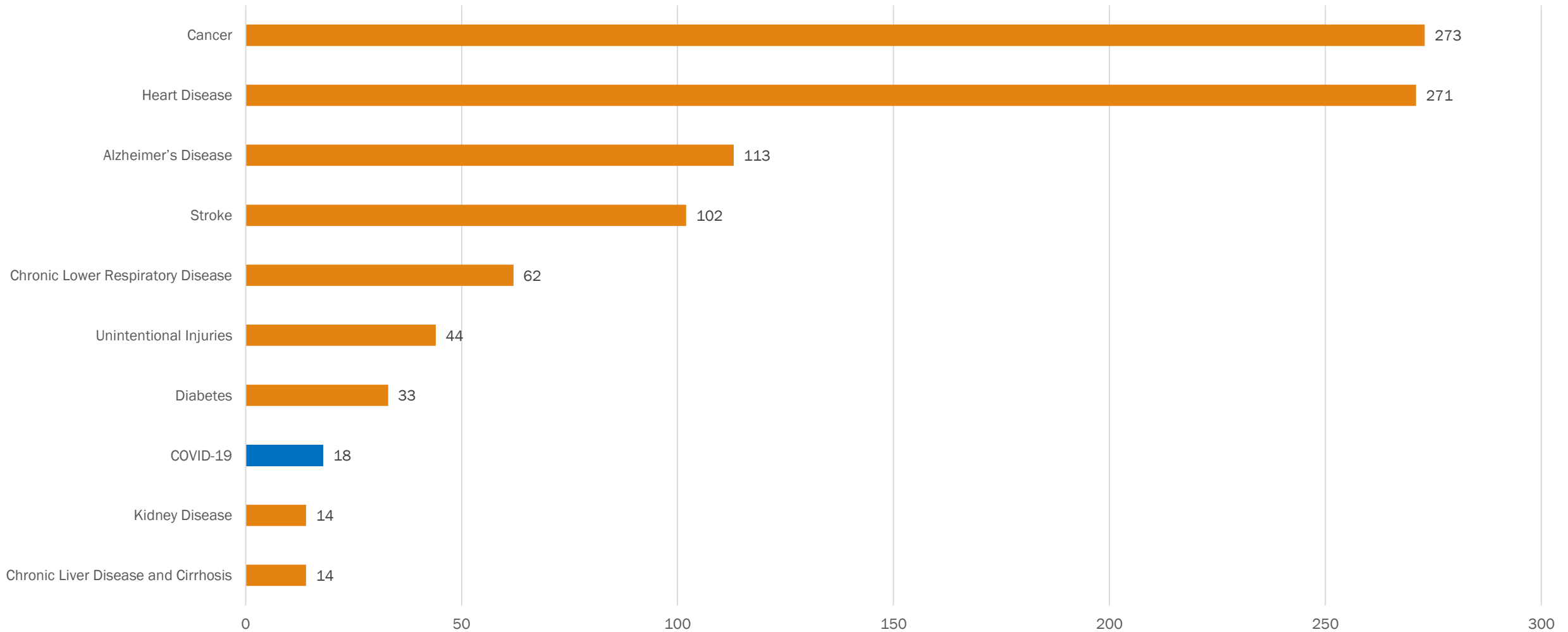
Information Request from BOS

COVID-19 and common US causes of death

Average total deaths between February and May

Cause	Deaths
Heart disease	216,082
Cancer	195,983
COVID-19	103,815
Cerebrovascular disease	47,336
Alzheimer disease	37,329
Diabetes	27,232
Influenza/pneumonia	21,106
Transport accidents	12,384
Assault	5,571
HIV	2,062

Note: Non-COVID-19 deaths are the average totals for the four months between February and May in 2014–2018

Source: CDC WONDER; Johns Hopkins University

INSIDER

Thanks to the Epi Unit!

Stefany Olague

Tina Javanbakht

Joy Kane

Michelle Wehmer

STRONGER

TOGETHER.

SAFELY APART.