

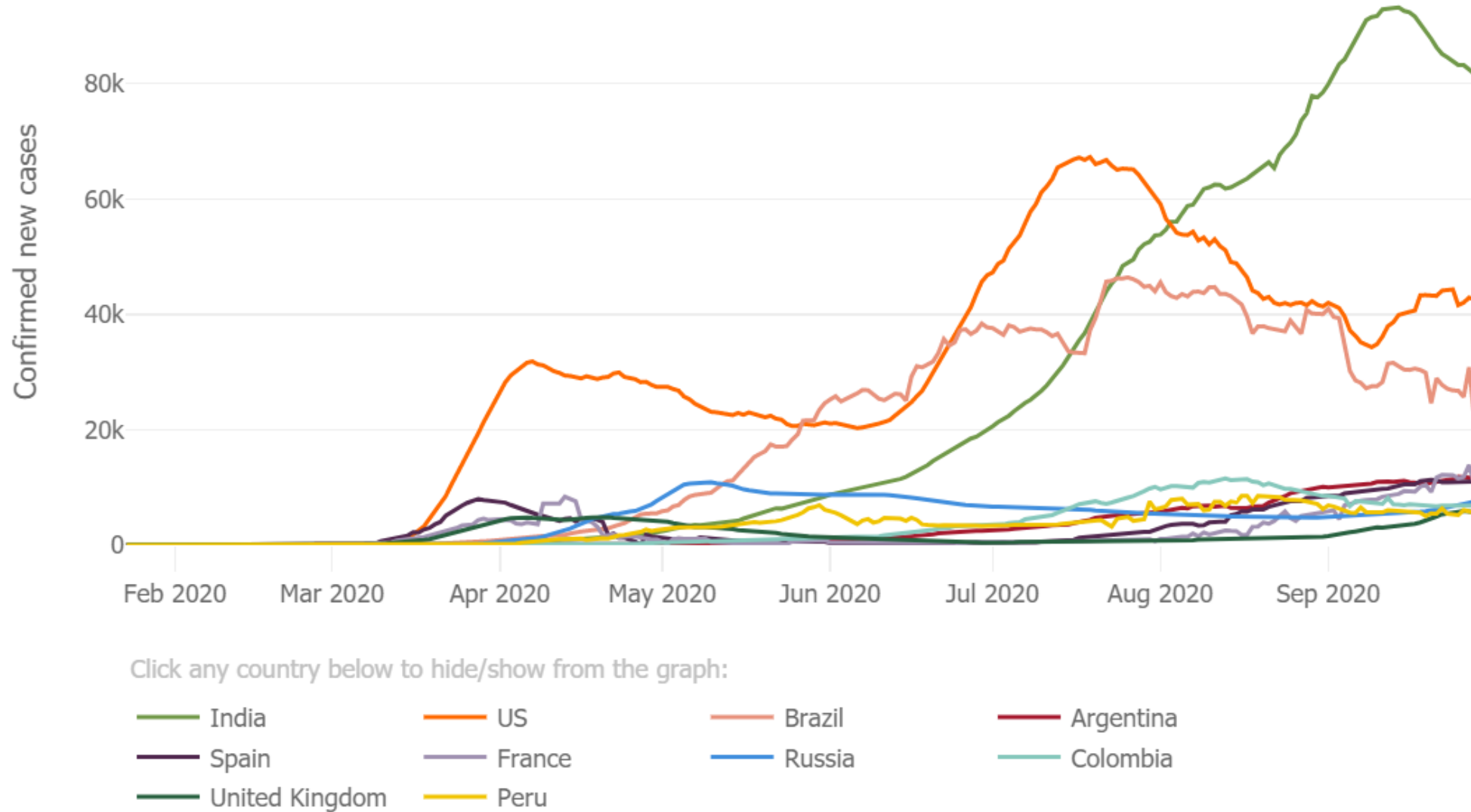
COVID-19

More Graphs than You've Ever Seen

Brian Hartl, MPH

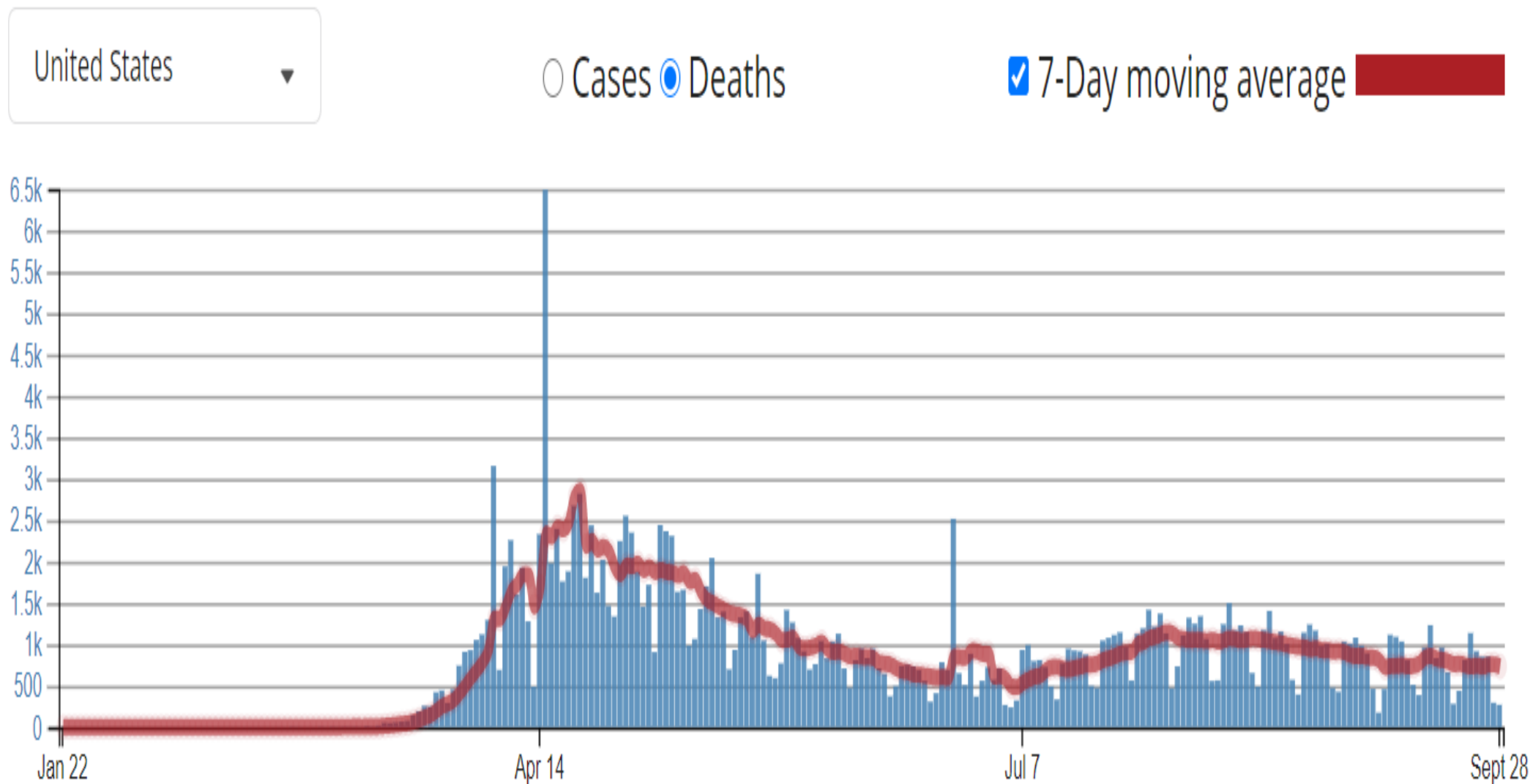
Kent County Health Department

COVID -19 Cases by Country



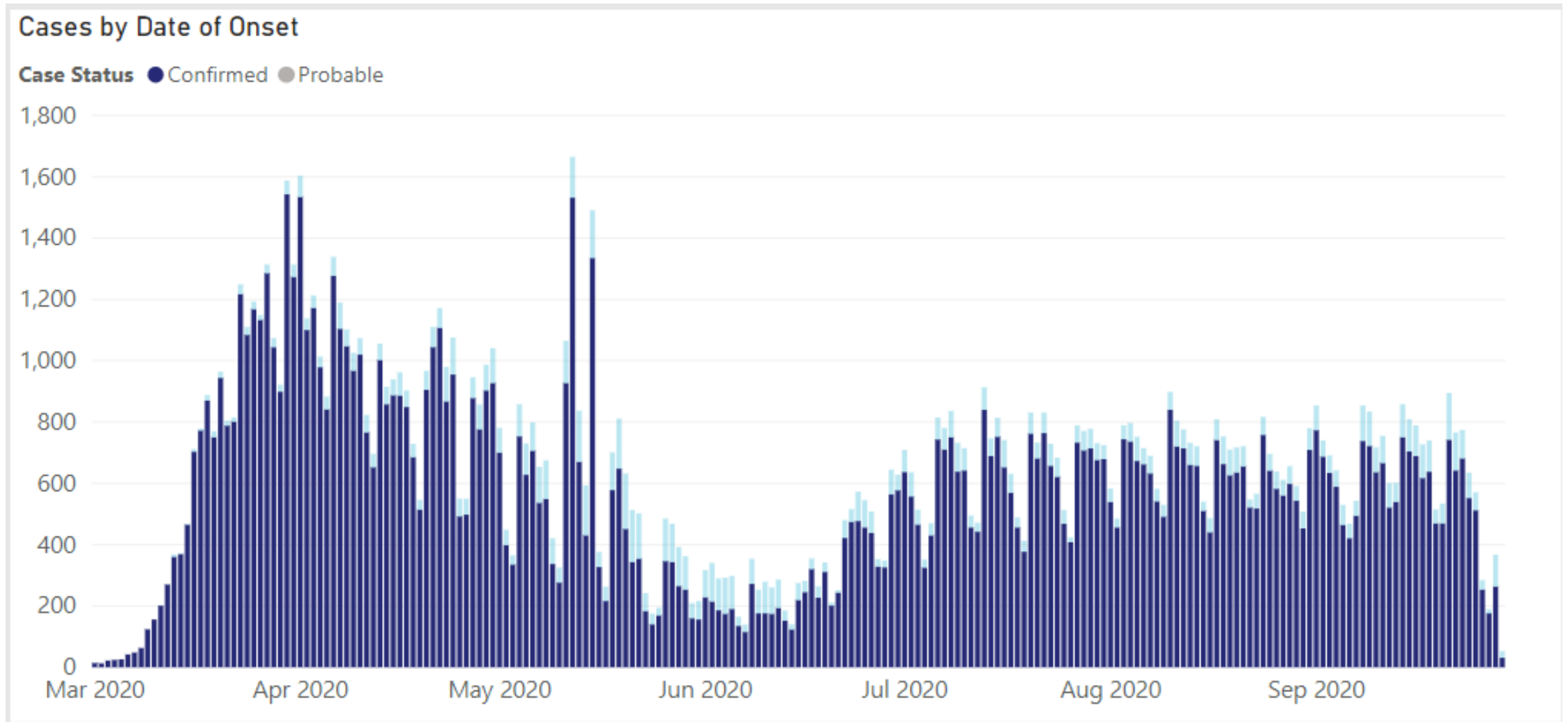
<https://coronavirus.jhu.edu/data/new-cases>

Daily Trends in Number of COVID-19 Deaths in the United States Reported to CDC



https://covid.cdc.gov/covid-data-tracker/#trends_dailytrends

Michigan – Cases by Day

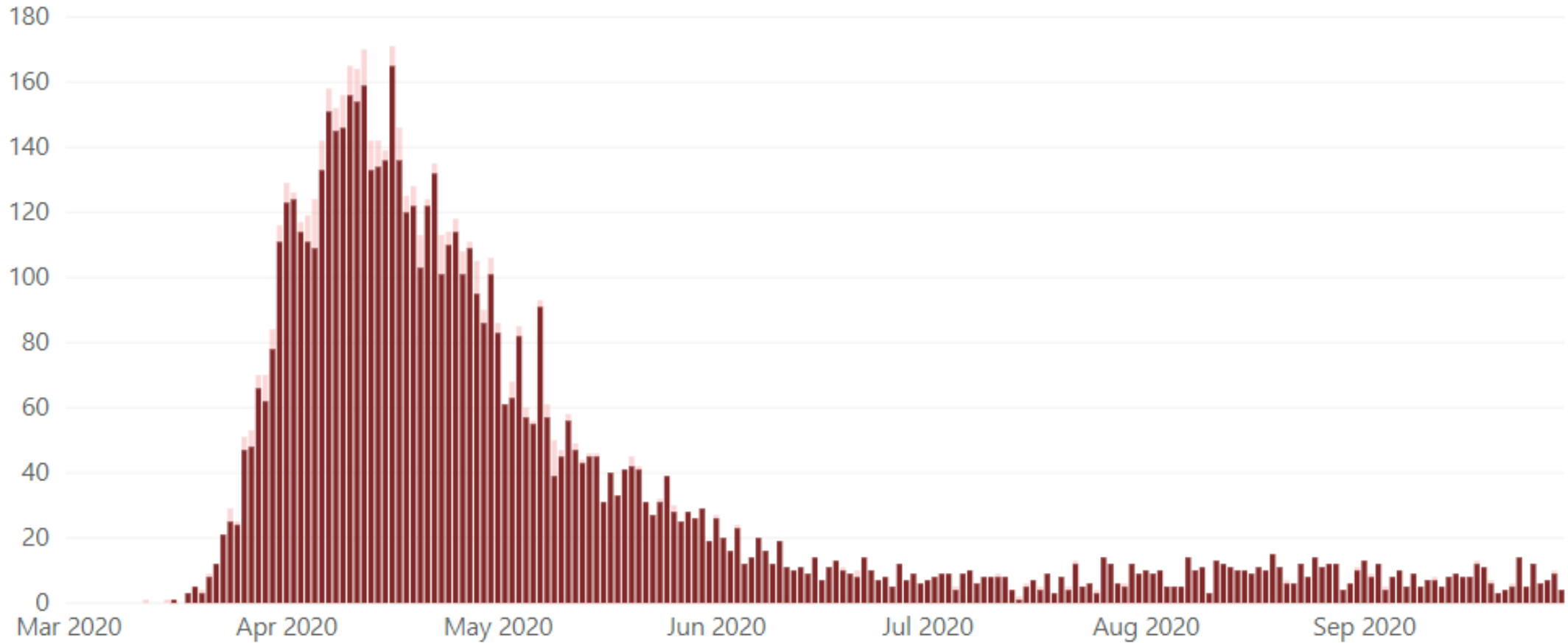


<https://www.michigan.gov/coronavirus/>

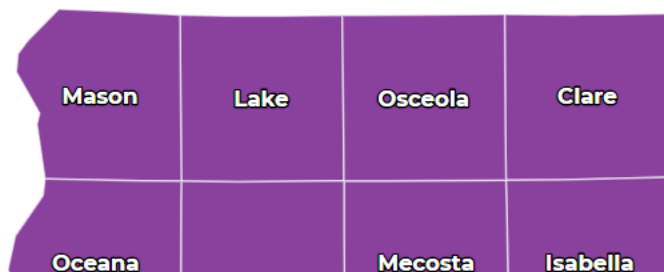
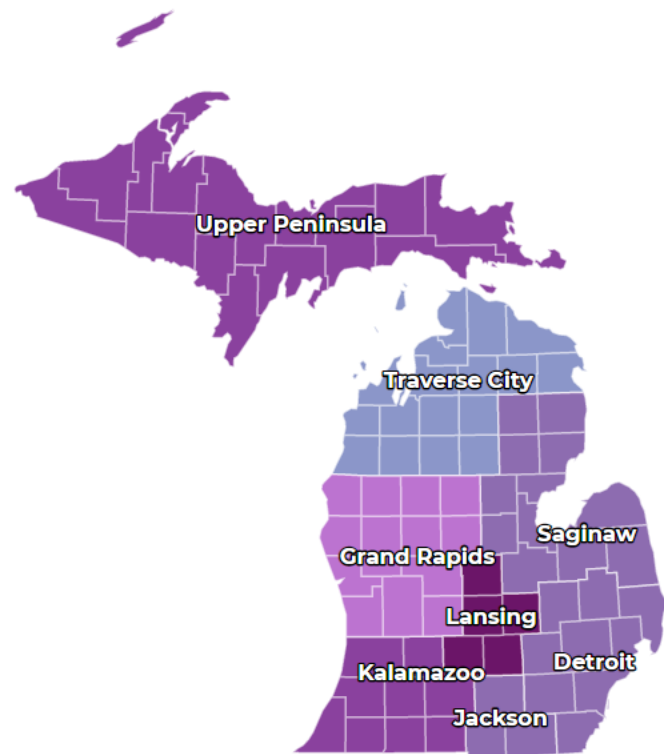
Michigan – Deaths by Day

Deaths by Date of Death

Case Status ● Confirmed ● Probable



<https://www.michigan.gov/coronavirus/>



Test Results

2.9%
positive tests *

5.2k
daily tests
administered*

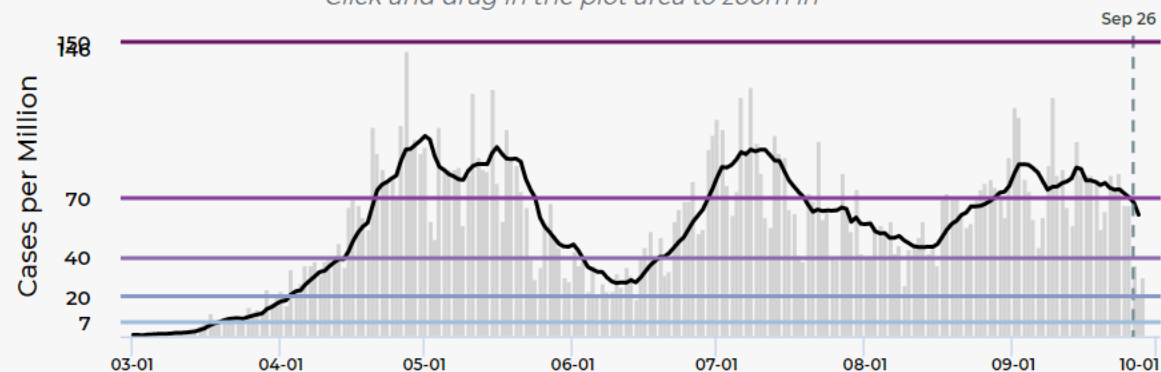
New Cases

68.1
daily/ million *

102.9
daily *

Grand Rapids Region Cases Per Million Over Time

Click and drag in the plot area to zoom in



Cases Thresholds Per Million Per Day



Kent County Cases - 7-day Average

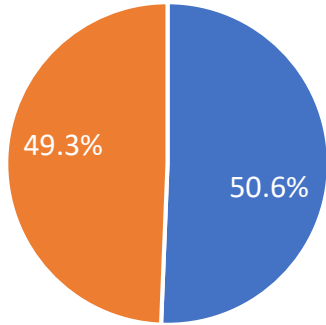


COVID 19 Cases – Total Population

9,320 Total Cases

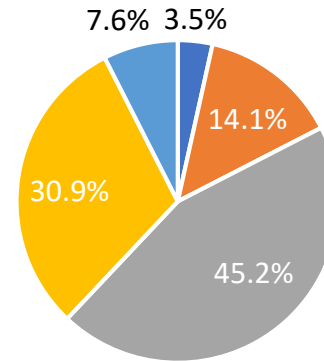
Average Age of Cases – 38 years

Cases by Gender



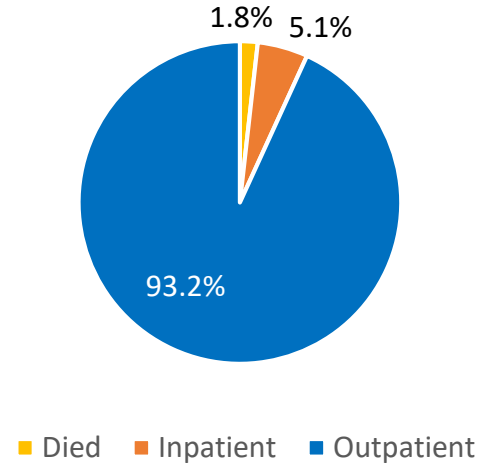
■ Female ■ Male

Cases by Race



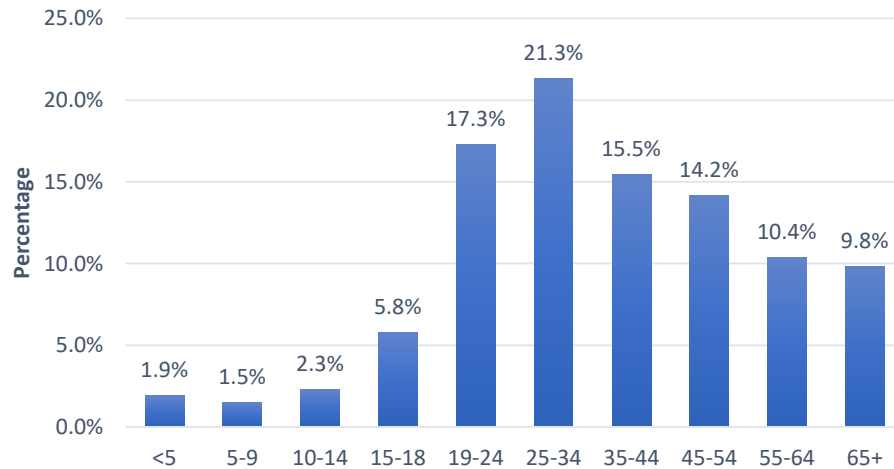
■ Asian ■ Black/AA ■ Caucasian ■ Other ■ Unknown

Cases by Patient Status



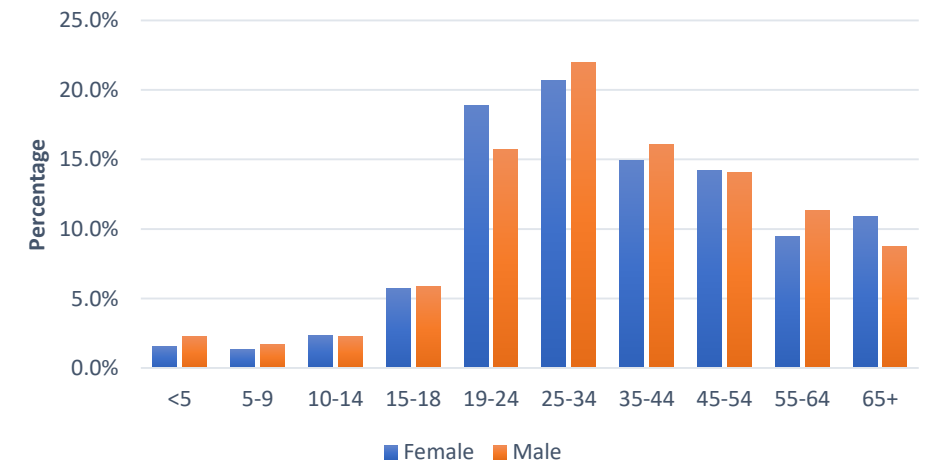
■ Died ■ Inpatient ■ Outpatient

Cases by Age



Average Age	
Male	37.6
Female	38.4

Cases by Age and Gender

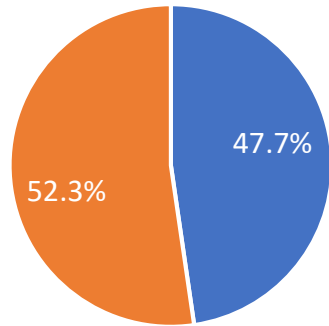


COVID 19 Cases – LatinX

2,773 Total Cases

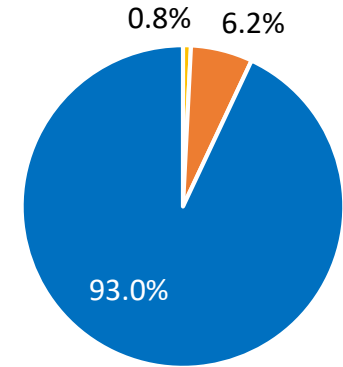
Average Age of Cases – 34.9 years

Cases by Gender



■ Female ■ Male

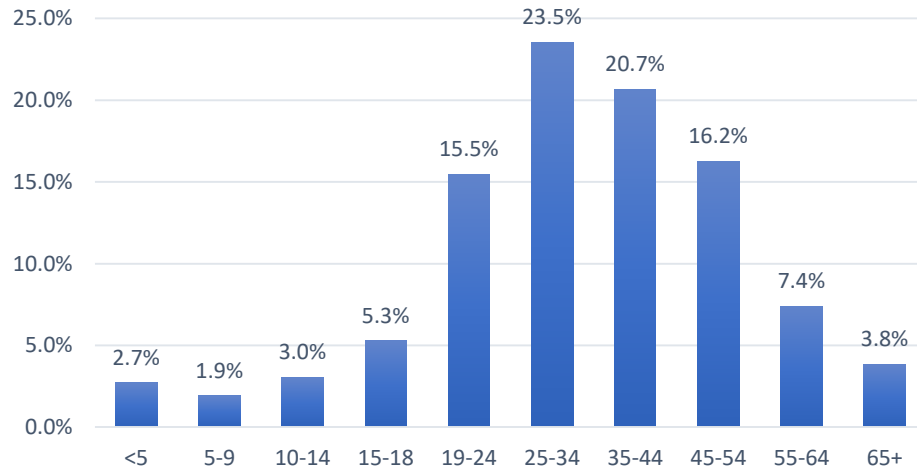
Cases by Patient Status



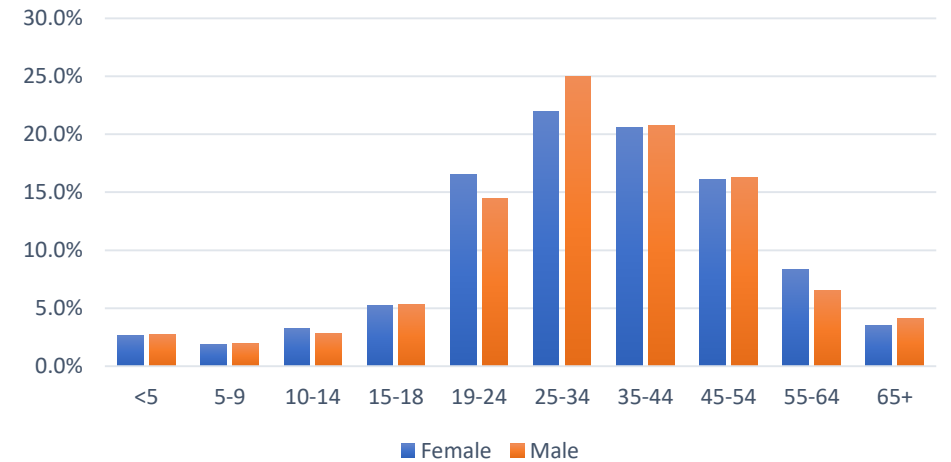
■ Died ■ Inpatient ■ Outpatient

Average Age	
Male	34.8
Female	34.9

Cases by Age Group



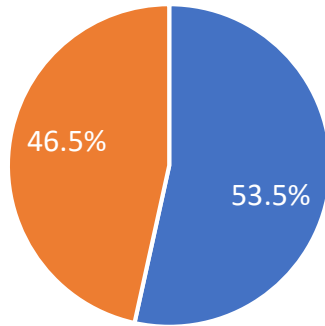
Cases by Age and Gender



COVID 19 Cases – African American

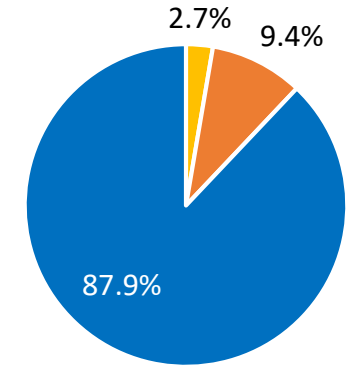
1,302 Total Cases
Average Age of Cases – 39.0 years

Cases by Gender



■ Female ■ Male

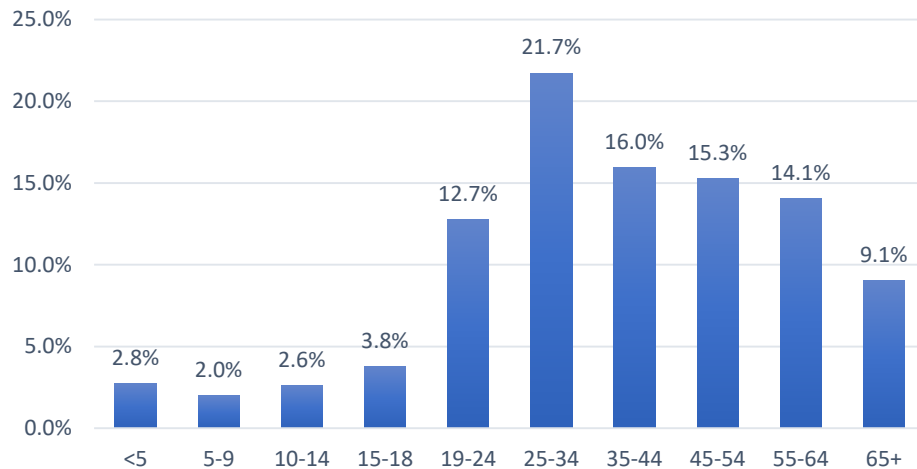
Cases by Patient Status



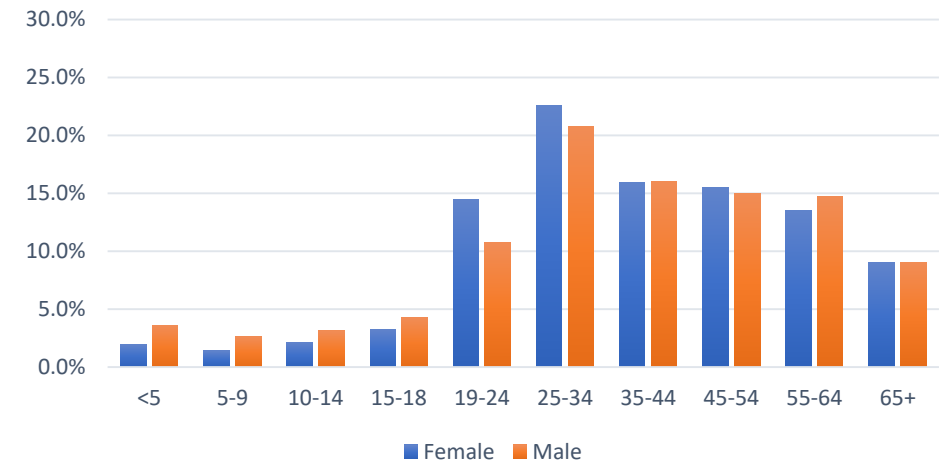
■ Died ■ Inpatient ■ Outpatient

Average Age	
Male	38.5
Female	39.4

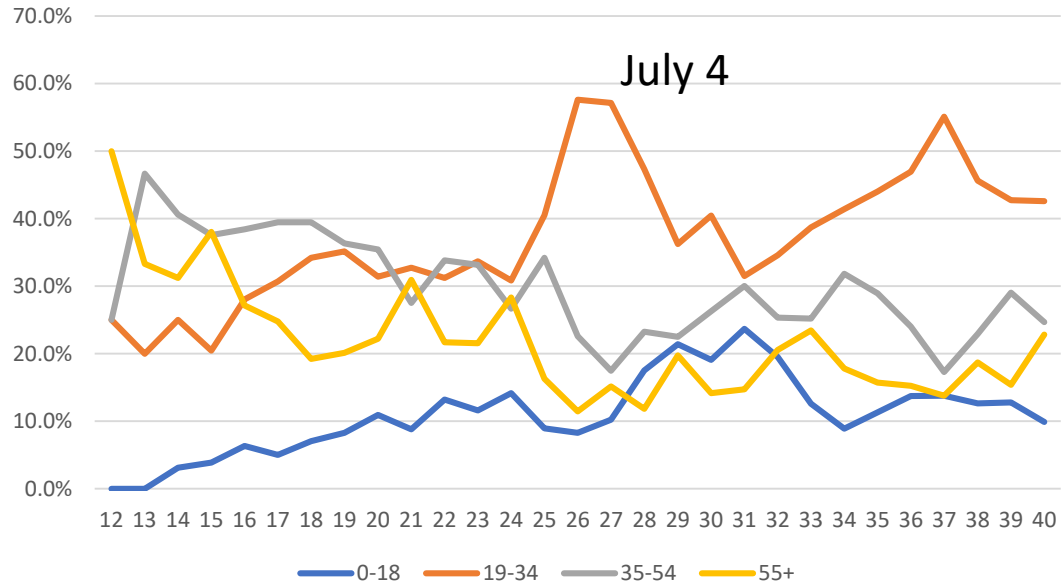
Cases by Age Group



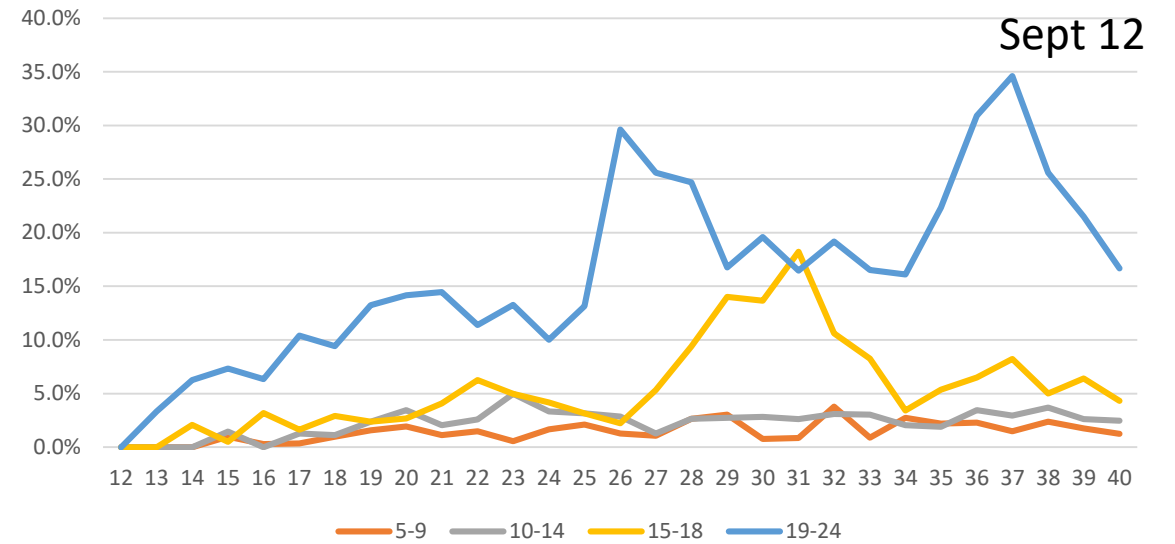
Cases by Age and Gender



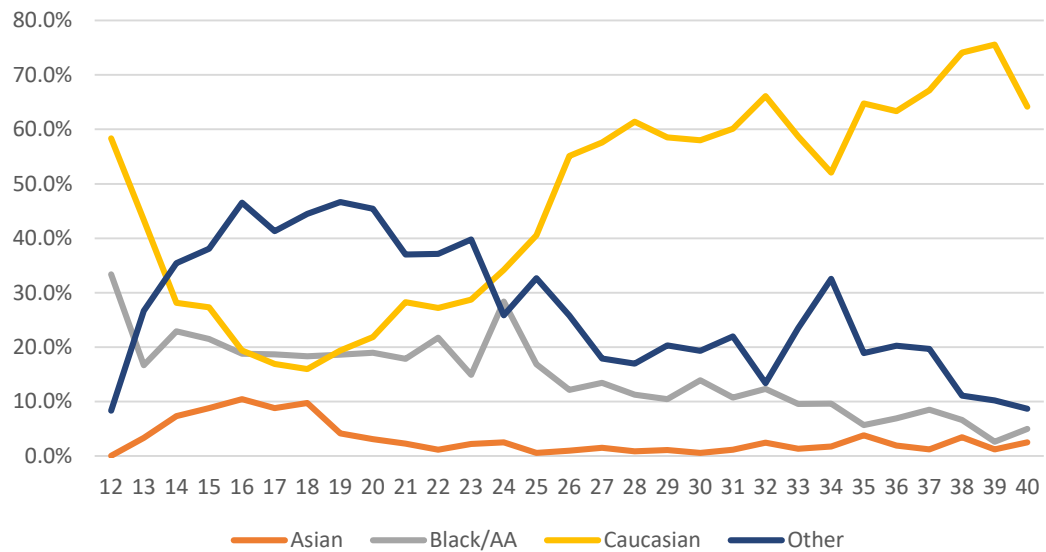
Age Group



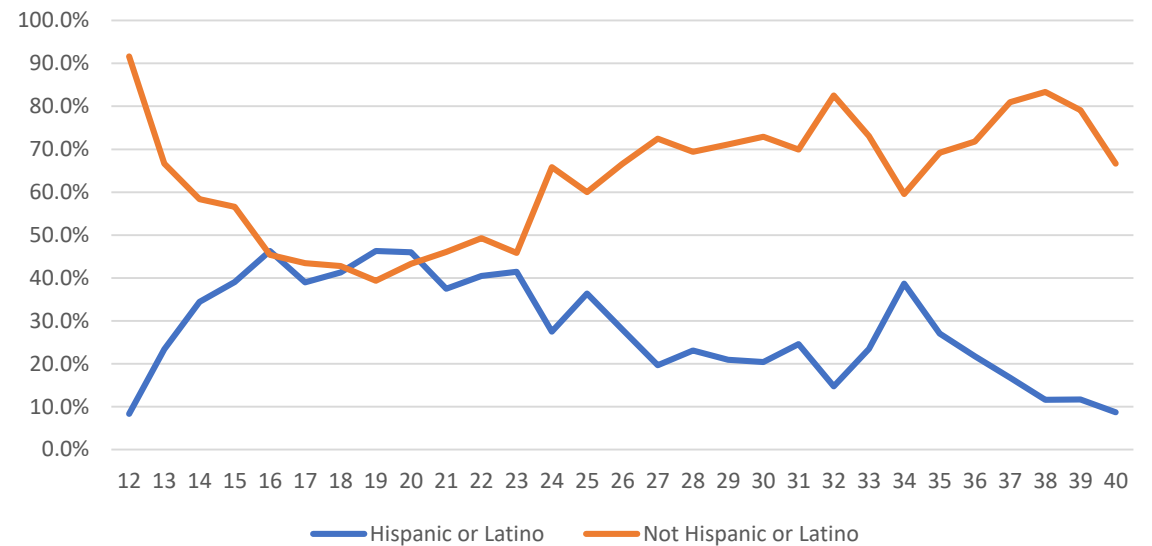
School Aged



Race

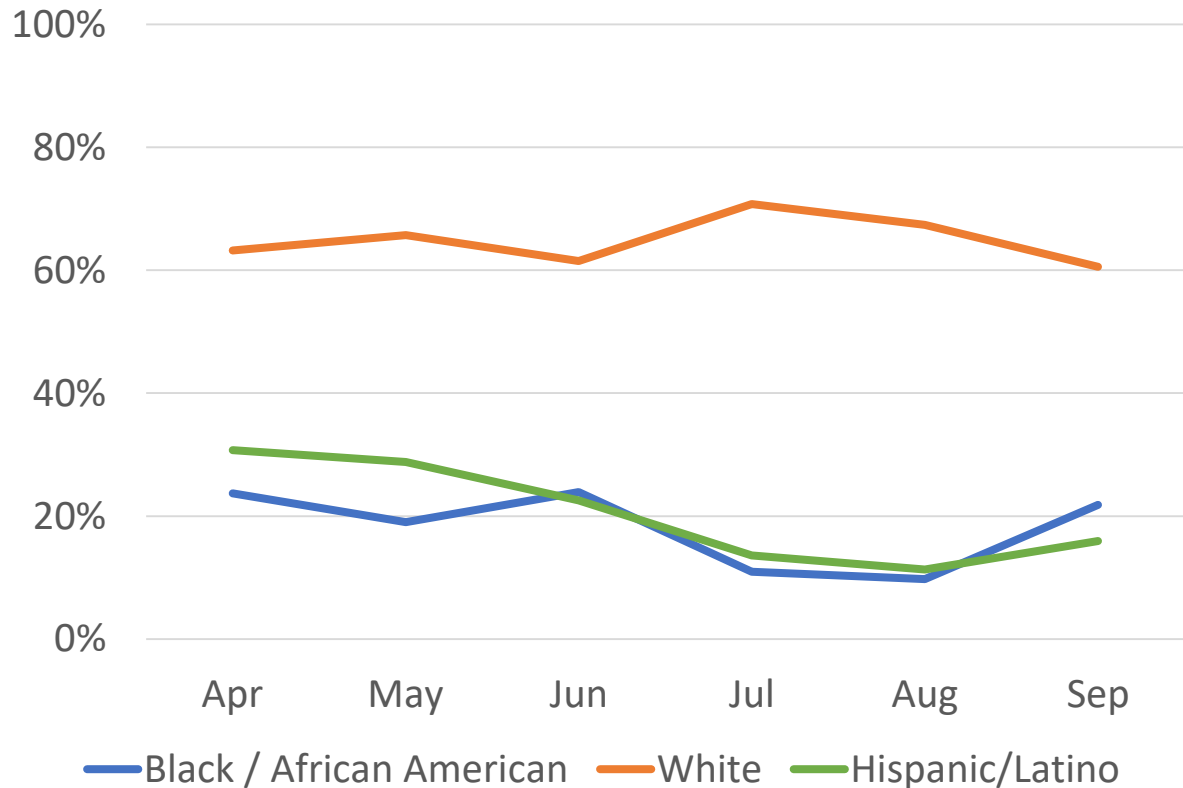


Ethnicity

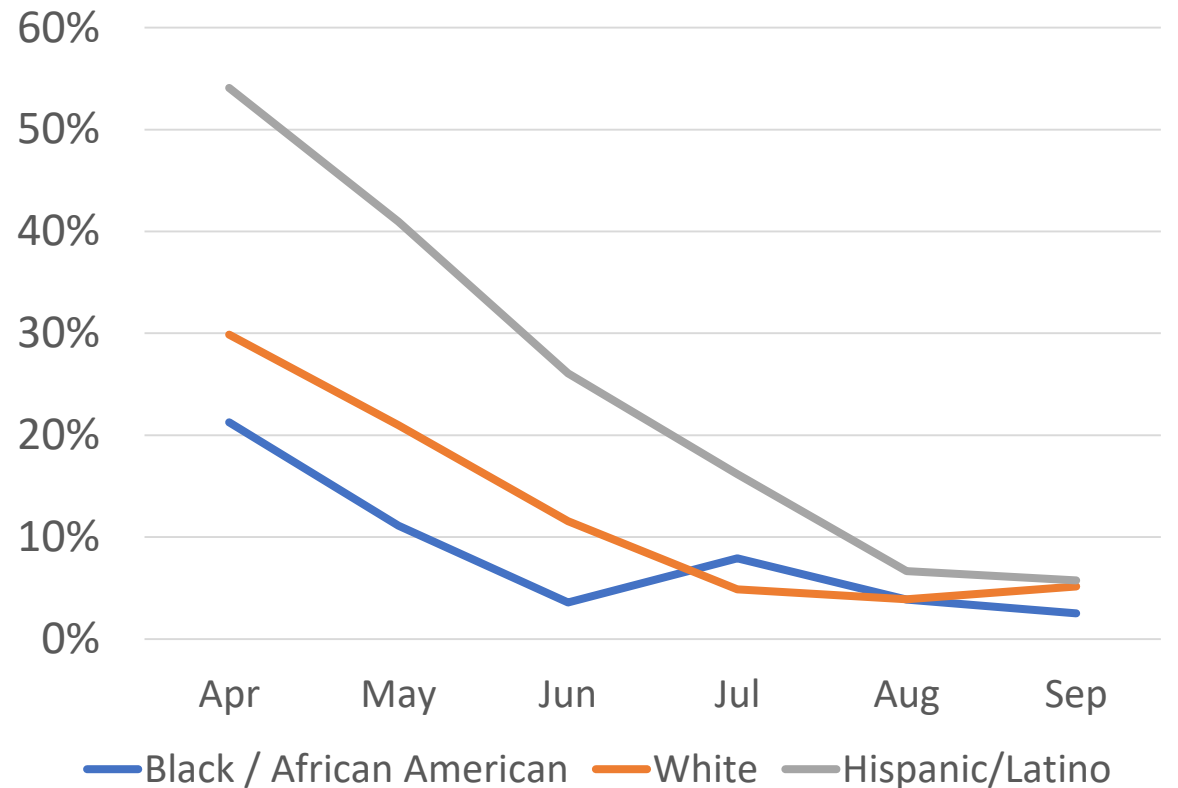


Are Enough People Being Tested?

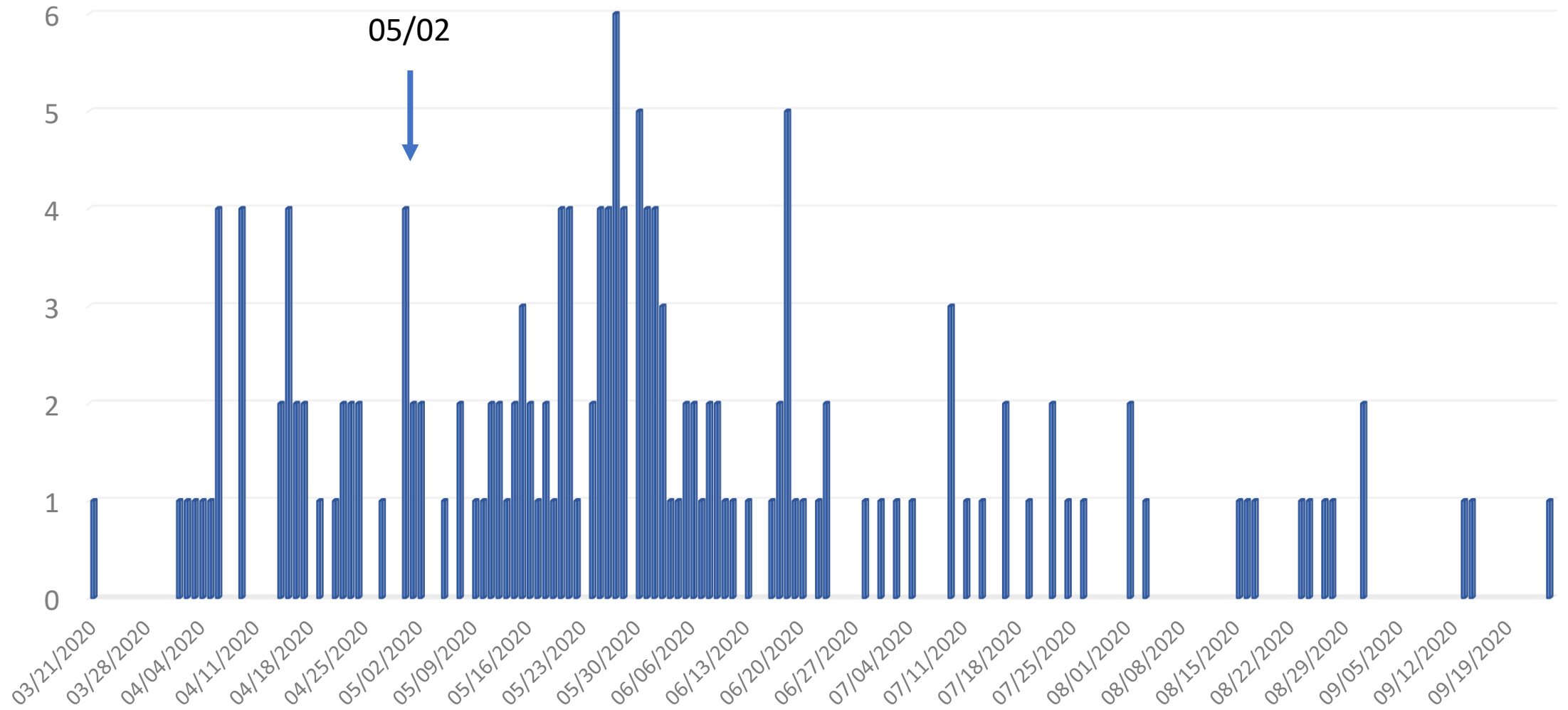
Percentage of Total Tests



Positivity Rate



Kent County - Number of Deaths

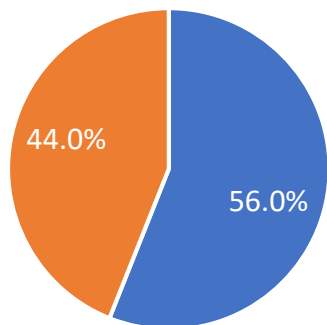


COVID 19 Deaths – Total Population

166 Total Deaths

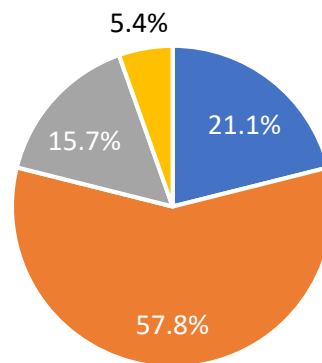
Average Age at Death – 77.4 years

Deaths by Gender



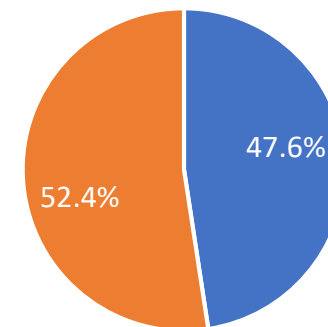
■ Female ■ Male

Deaths by Race



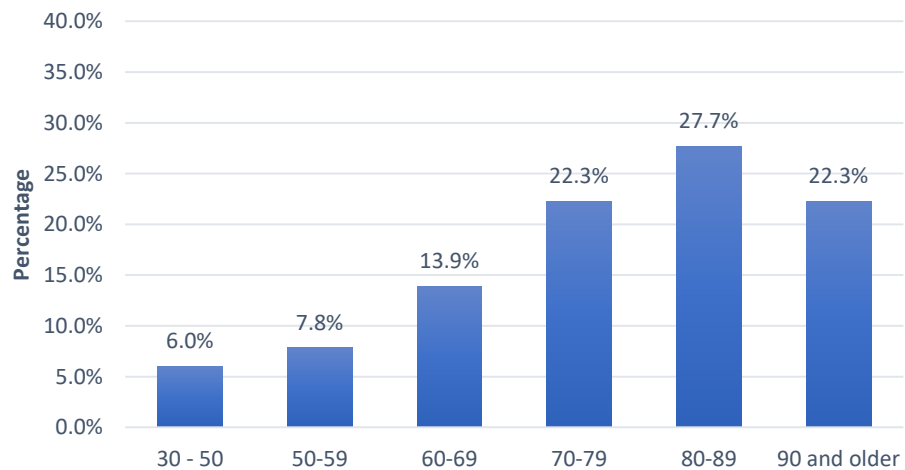
■ Black or African American ■ Caucasian ■ Other Race ■ Unknown

Resident of Congregate Living Facility



■ No ■ Yes

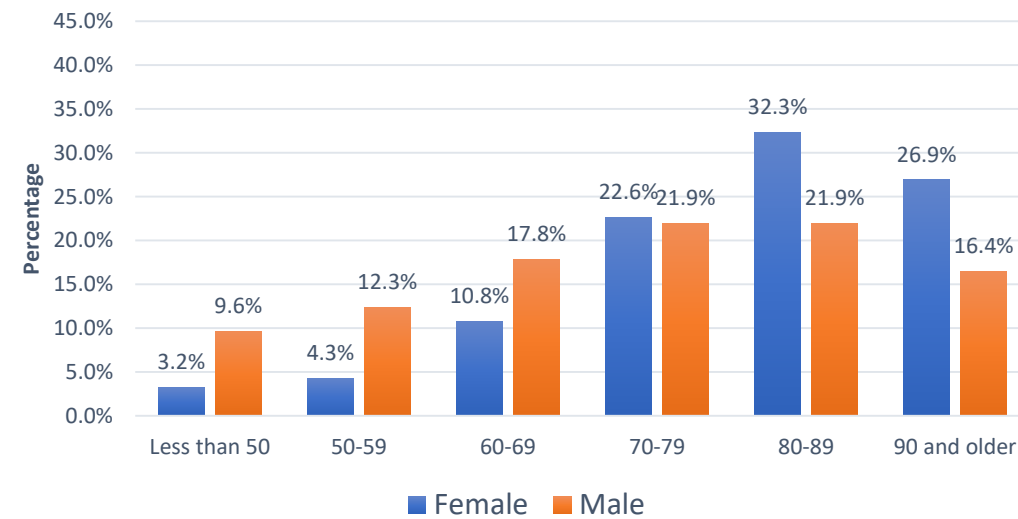
Deaths by Age Group



Average Age at Death

Male	73.1
Female	80.8

Deaths by Gender and Age Group



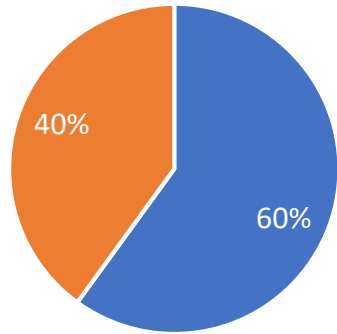
■ Female ■ Male

COVID 19 Deaths – African American

35 Total Deaths

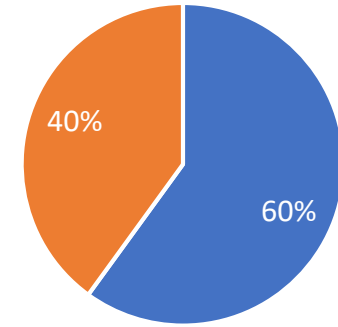
Average Age at Death – 73.8 years

Deaths by Gender



■ Female ■ Male

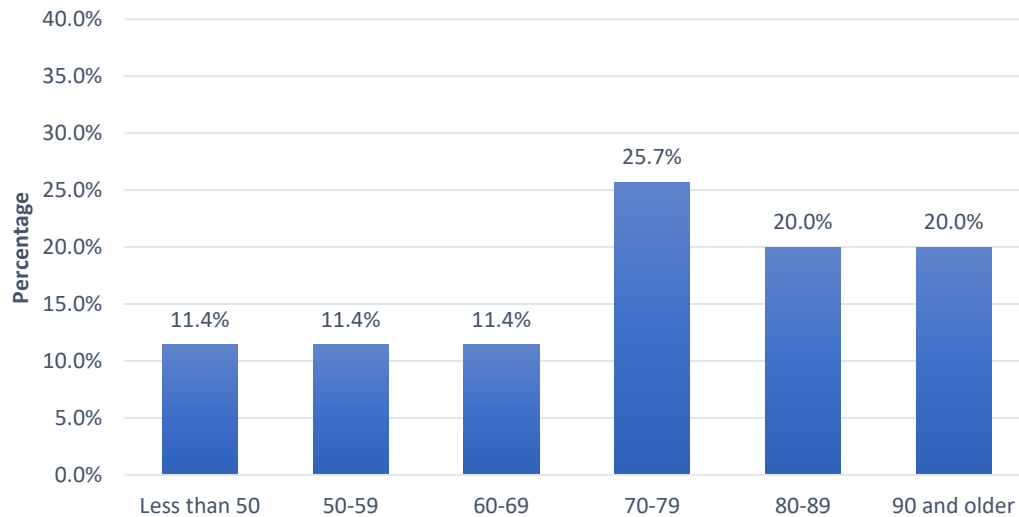
Resident of Congregate Living Facility



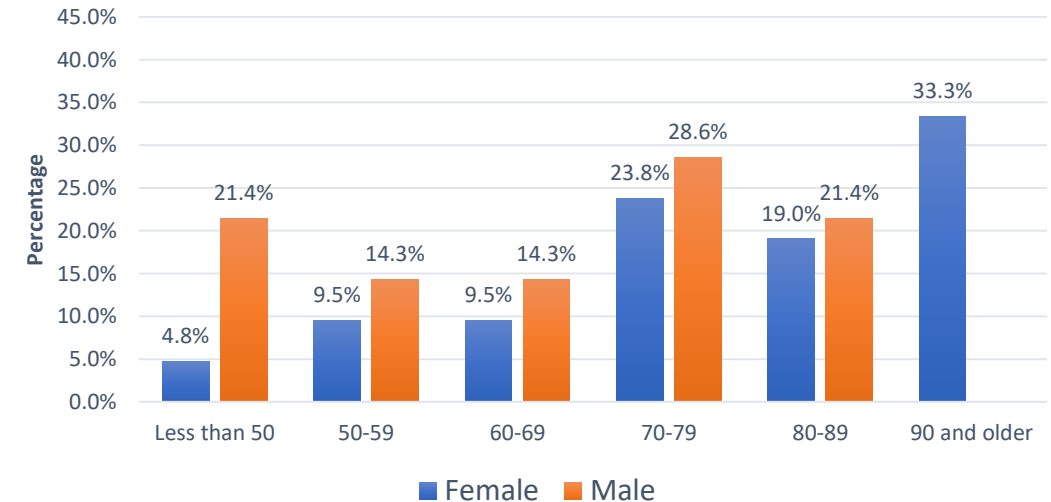
■ No ■ Yes

Average Age at Death	
Male	66.1
Female	79

Deaths by Age Group



Deaths by Gender and Age Group

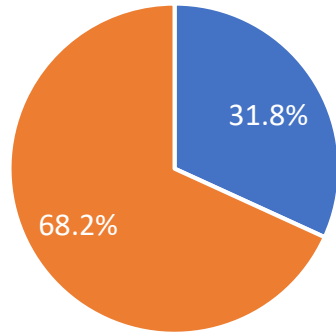


COVID 19 Deaths – LatinX

22 Total Deaths

Average Age at Death – 63.1 years

Deaths by Gender



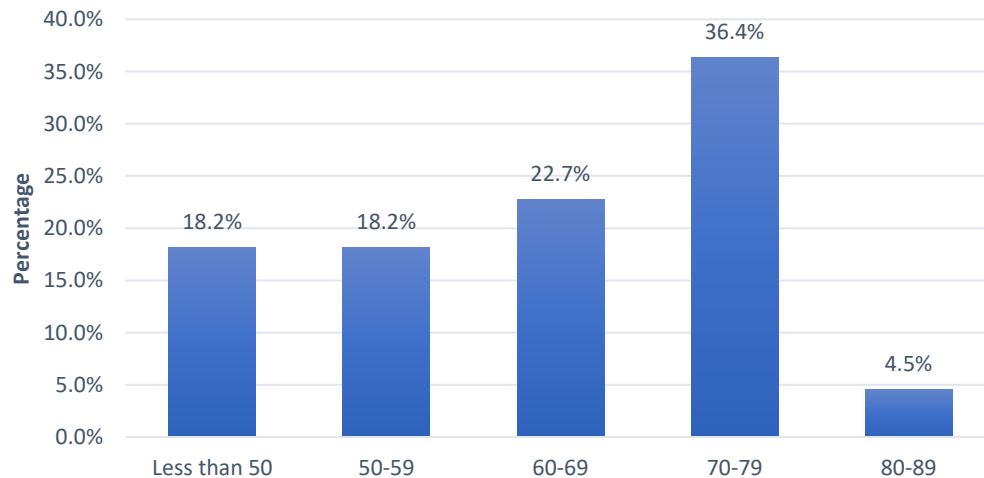
■ Female ■ Male

Average Age at Death

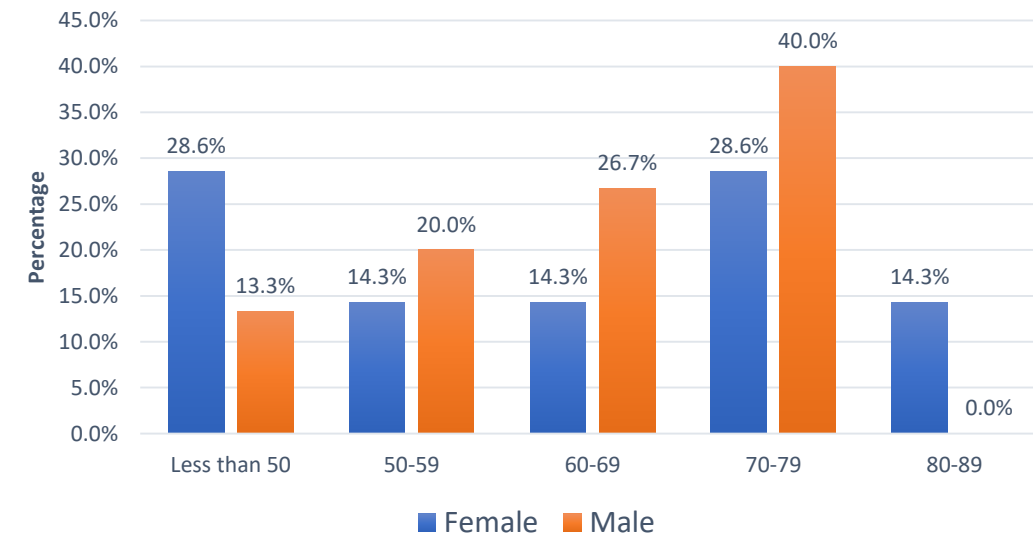
Male	61.3
Female	63.9

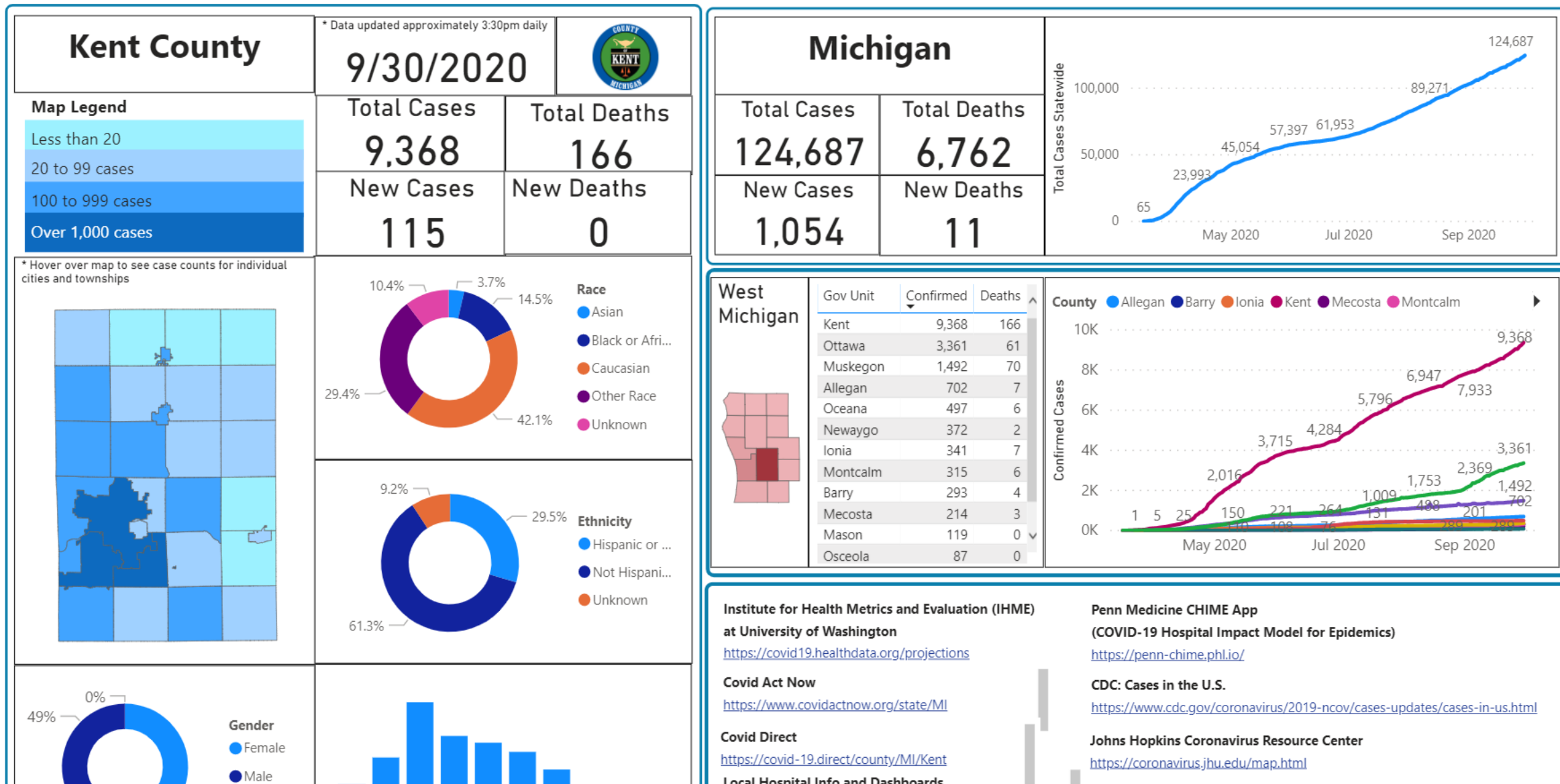
No Residents of Congregate Living Facilities

Deaths by Age Group



Deaths by Gender and Age Group





<https://www.accesskent.com/Health/covid-19-data.htm>