A joint collaboration between Stark County Public Health Agencies:
Alliance City Health Department
Canton City Public Health
Massillon City Health Department
Stark County Health Department
Stark County, Ohio
September 4, 2020 Epi Report

COVID-19 Snapshot
Stark County, Ohio
as of 11:00am
September 4, 2020

Level 1
Level 2
Level 3
Level 4
Stark County is currently at a Level 1 (Yellow)
Status as indicated by the Ohio Public Health Advisory System
For information on the Ohio Public Health Advisory System, please visit:

Confirmed Cases
Total: 2289
Active/Open Cases: 726
Closed: (includes Deaths) 1563
Closed due to Death: 154

Probable Cases
Total: 153
Active/Open Cases: 61
Closed: (includes Deaths) 92
Closed due to Death: 4

Hospitalized Confirmed & Probable Cases
Yes: (includes ICU) 309
Yes, ICU: 67
Discharged: (includes 64 Deaths) 215

Age Range
Confirmed Cases: <1-108
Deaths in Confirmed Cases: 51-108

All data contained is preliminary and is subject to change as more information is reported to Ohio Department of Health (ODH). Data presented in this document is based on data as of 09.04.2020 12:00pm (for Stark County data) and/or 2:00pm (for Ohio data). Cases from previous days are likely to change as more information is entered. Caution should be exercised as data is subject to change.

For questions regarding this report, please contact:
Amanda Archer, MPH aarcher@cantonhealth.org
Jessica Boley, RD, LD jboley@cantonhealth.org
Chelsea Sadinski, MPH SadinskiC@starkhealth.org

A joint collaboration between Stark County Public Health Agencies Final 09.04.2020
Descriptive Statistics for Stark County Confirmed Cases

<table>
<thead>
<tr>
<th>Gender</th>
<th>Confirmed Cases</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>984</td>
<td>43.0%</td>
</tr>
<tr>
<td>Female</td>
<td>1301</td>
<td>56.8%</td>
</tr>
<tr>
<td>Unknown</td>
<td>4</td>
<td>0.2%</td>
</tr>
<tr>
<td>Total</td>
<td>2289</td>
<td>151</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Hispanic</th>
<th>Non-Hisp</th>
<th>Unknown*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>130</td>
<td>1666</td>
<td>503</td>
</tr>
<tr>
<td>%</td>
<td>6%</td>
<td>72%</td>
<td>22%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race</th>
<th>White</th>
<th>Black</th>
<th>Asian/Pacific Islander</th>
<th>Other</th>
<th>Unknown*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>1569</td>
<td>288</td>
<td>19</td>
<td>139</td>
<td>274</td>
</tr>
<tr>
<td>%</td>
<td>69%</td>
<td>13%</td>
<td>1%</td>
<td>6%</td>
<td>12%</td>
</tr>
</tbody>
</table>

*Unknown counts includes refused to answer responses

Illness Information for Stark County Confirmed Cases - Cumulative Counts

<table>
<thead>
<tr>
<th>Hospitalized</th>
<th>Yes</th>
<th>307</th>
<th>13.4%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>1972</td>
<td>86.2%</td>
</tr>
<tr>
<td></td>
<td>Unknown</td>
<td>10</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pre-existing Conditions</th>
<th>Yes</th>
<th>1252</th>
<th>55%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>1037</td>
<td>45%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>If hospitalized, in ICU?</th>
<th>Yes</th>
<th>66</th>
<th>21%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>241</td>
<td>79%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discharged from Hospital</th>
<th>ICU</th>
<th>51</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Other</td>
<td>164</td>
</tr>
</tbody>
</table>

Some cases may be discharged due to death.
Graph 1 shows the incidence of signs and symptoms reported in confirmed cases of COVID-19 in Stark County. Two symptoms that are similar are subjective fever where in a patient felt feverish and fever in which is defined as a fever of $>100.4\,\text{F}$ (38C). Additional symptoms may be added in the future as prevalence increases.

Graph 2 shows the cumulative number of laboratory-confirmed and probable cases and deaths in those cases by age group. Age groups may be broken down further as new cases emerge. One probable case, date of birth is unknown and not shown in graph above.
Graph 3 shows a breakdown of confirmed cases by week by age groups. As with all data contained in this report, caution is advised when looking at the past 2-3 weeks of data due to delays in testing results.
Graph 4 shows the EpiCurve which displays the total number of laboratory-confirmed cases per week, based on the illness onset date for Stark County and Ohio. If the illness onset date is not available, the earliest known date is utilized, which could include the date the specimen was collected, the date of the test results or the date reported to the local health department. Counts will change as additional information is collected. Totals may not equal the totals on Table 1 depending on when data was accessed. Stark County’s first confirmed case reported an illness onset date of 2/25/2020, while Ohio had cases prior to 2/23/2020, those are not included. **This data only includes data up until 11:00am on 09/04/2020.**
To help highlight short-term daily changes, Graph 5 shows daily counts of laboratory confirmed cases for a 21-day period.

Graph 6 is a breakdown of death counts in laboratory-confirmed cases by week in which the death occurred. Includes only deaths reported to the local health department as of 11:00am on 09/04/2020. This isn’t an automated process which is why it may be a week or longer for a death to be documented.
Graph 7 shows the rate of cumulative confirmed and probable cases by Stark County jurisdictions. Alliance, Canton and Massillon jurisdictions covers those within those particular city limits. Stark County jurisdiction covers all other areas outside of those three city limits. Rates calculated by 2018 population census data.

<table>
<thead>
<tr>
<th>Health Jurisdiction</th>
<th>Probable Cases</th>
<th>Confirmed Cases</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alliance</td>
<td>4</td>
<td>120</td>
<td>124</td>
</tr>
<tr>
<td>Canton</td>
<td>47</td>
<td>469</td>
<td>516</td>
</tr>
<tr>
<td>Massillon</td>
<td>11</td>
<td>260</td>
<td>271</td>
</tr>
<tr>
<td>Stark County</td>
<td>91</td>
<td>1440</td>
<td>1531</td>
</tr>
</tbody>
</table>

Rates calculated by 2018 population census data.

Graph 8 shows the rates dependent on the 2018 population in Ohio and Stark County. This graph works to compare cases in different populations by normalizing the cases per 100,000 persons.

- Ohio’s rate of laboratory confirmed cases is 1.7x higher than those in Stark County.
- Ohio’s rate of laboratory confirmed cases who require hospitalization is 1.4x higher than Stark County’s rate.
- Stark County’s rate of death due to COVID-19 complications is 1.2x higher than Ohio’s rate.
Graph 9 is the counts of confirmed cases closed, either due to closed/recovered or closed due to death. Stark County has a total of 1563 cases closed of which 151 (10%) are due to death.

Cases can be closed for the following reasons:
- The person passed away.
- Symptoms have resolved in that case.
- The person is no longer being followed by the local health department.

Graph 10 shows a breakdown of categories in confirmed cases. Healthcare workers account for 16% of the confirmed cases while long-term care residents account for 16% of confirmed cases. The remaining 68% do not belong in either of those categories. The percentages are based off of those that were affirmatively indicated to be either a healthcare worker or long-term care resident.

A cluster is defined as 2 or more cases with a common time and place of exposure. In Stark County, commonly these are work place, congregate living or family event/party settings. Additionally, cases that were exposed to original case members of the cluster and they subsequently became ill are also then linked to the original cluster.
Background from www.cdc.gov: Coronavirus disease 2019 (COVID-19) is a respiratory illness that can spread from person to person. The virus that causes COVID-19 is a novel coronavirus that was first identified during an investigation into an outbreak in Wuhan, China.

Confirmed Cases
• Positive for SARS-CoV-2 RNA (with or without meeting epi criteria and/or clinical criteria)
Probable Cases
• Positive for SARS-CoV-2 Antigen (via FDA-approved test3) and meeting either the epi criteria or clinical criteria
• Positive for SARS-CoV-2 Antibody (via FDA-approved test3) and meeting either the epi criteria or clinical criteria
• No laboratory testing and meeting both the epi criteria and clinical criteria
• Positive for SARS-CoV-2 Antigen or Antibody (via non-FDA-approved test) and meeting both the epi criteria and clinical criteria
• Death certificate listing COVID-19 as a cause of death with no PCR lab testing

Counts and rates are based on date of illness onset. If onset date is unknown, the earliest known date is utilized. Any rates based on counts less than 10 are considered unreliable and caution should be exercised when interpreting. Due to testing restrictions, data may be skewed. Report compiled by Canton City Public Health.

Data is sourced from: coronavirus.ohio.gov, ODH data warehouse, and census.gov. “These data were provided by the Ohio Department of Health. The Department specifically disclaims responsibility for any analyses, interpretations or conclusions.”

For information regarding test priorities, please visit: https://coronavirus.ohio.gov/static/docs/COVID-19-Testing-Guidance.pdf

For information regarding testing sites, please visit: https://coronavirus.ohio.gov/wps/portal/gov/covid-19/testing-centers/


For information on Restart Stark, including guidance and resources for Stark County, please visit: https://coronavirus-response-stark-county-resources-starkcountyohio.hub.arcgis.com/

For information on the Ohio Public Health Advisory System, please visit: https://coronavirus.ohio.gov/wps/portal/gov/covid-19/public-health-advisory-system/

For information on testing Statewide, please visit: https://coronavirus.ohio.gov/wps/portal/gov/covid-19/dashboards/key-metrics/testing