Anne Arundel County Recovery Workgroup

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Health Officer
Anne Arundel County Department of Health

September 17, 2020
Agenda

- Priorities
- Health Effects
- Data
- Actions
- School Reopening
Priorities

- Keep Anne Arundel Open by suppressing cases:
  - Keep people healthy by preventing illness and death
  - Allow school to open in person
  - Keep businesses open
  - Promote mental and social well being
- Prevention
COVID-19 Symptoms

A wide range of symptoms have been reported, ranging from mild to severe. Approximately 2-14 days after exposure to the virus, people with the following symptoms may have COVID-19:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

Health Impact of COVID-19

- **Death**
  - 5th leading cause of death in Anne Arundel (based on 2018 data)
  - 3rd leading cause of death in the United States
  - Death rate is decreasing due to improved hospital care and treatment
  - No outpatient treatment

- **Long Haul Survivors – Post hospitalization**
  - Persistent symptoms post hospitalization affecting many organ systems
    - Studies show that most people post hospitalization have persistent symptoms that last for months
  - Neurological
    - Mental fogging
  - Pulmonary
    - Shortness of breath
    - Cough
  - Cardiovascular
Top 10 Causes of Death (2018) Anne Arundel County

- Septicemia: 83
- Influenza and Pneumonia: 88
- Alzheimer’s Disease: 102
- Diabetes Mellitus: 120
- Accidents: 229
- COVID-19: 229
- Chronic Lower Respiratory Disease: 241
- Cerebrovascular Diseases: 320
- Heart Diseases: 997
- Malignant Neoplasms: 999
Data Dashboard
Hospitalizations

COVID-19 Patients by Day
Percent positive

Daily Percent Positive, Past 4 Weeks

- Percent Positive
- 7-Day Moving Average

8.00%
6.00%
4.00%
2.00%
0.00%

8/16/2020 8/23/2020 8/30/2020 9/6/2020
Infection Rate

ANNE ARUNDEL COUNTY, MARYLAND

Infection Rate

Last updated September 13, 2020

https://covidactnow.org/us/MD/county/anne_arundel_county
Locations for Cases:
Anne Arundel 7/10 – 8/24

High Risk Locations - Number of Selected Responses

- Work Outside the Home: 608
- Indoor Retail/Shopping: 361
- Indoor Dining: 202
- Outdoor Recreation: 175
- Outdoor Dining: 166
- Personal Services: 86
- Fitness Centers/Health Clubs: 81
- Religious Facilities: 40
- Indoor Recreation: 25
- Casinos/Racetrack: 24
High Risk Gatherings: Anne Arundel 7/10 – 8/24

High Risk Gatherings - Number of Selected Responses

- Family Gatherings: 162
- Outdoor Events: 65
- House Parties: 55
- Other Large Gatherings: 44
- Religious Services: 31
- Funerals: 24
- Dinner Parties: 22
- Sporting Events: 11
- Weddings: 10
- Festivals: 1
Recovery Dashboard

- Case rate: increasing for 4 weeks
  - Bump from 8/20 due to increased detection of college students
  - Increase this week post Labor Day reflects true increasing cases
- Acute Hospitalizations: Slight increase with longer delay from case rate rise
  - Due to higher proportion of cases in younger age groups
- ICU: flat
- Percent positivity: Increasing
- Infection rate at 1.05
- Contact Tracing Data:
  - Family gatherings
  - Indoor retail
  - Indoor and outdoor dining
Case Rate

7 Day Moving Average Case Rate per 100K by Jurisdiction

- Relaxation
- Intervention
- College Testing
- Community Increase
Actions Taken In July

- Public mask order outdoors when distancing not possible
  - Providing masks and literature in public spaces
- Restaurants and bars
  - Closing to indoor dining after 10 pm
  - Outdoor dining and pickup/delivery continue unchanged
- Malls
  - Pedestrian areas only to access shops and not for gathering
  - Food court restaurants open only for takeout
- Gatherings: social gatherings excluding business
  - Limited to 25 indoors
  - Limited to 50 outdoors
- Enforcement
  - Increasing penalties with first time fines and second violation suspension at ALL businesses
  - Liquor licensee enhanced monitoring
Actions taken in September

- Did not move forward with Governor’s Stage 3 due to rising case rate in Anne Arundel
Reopening Schools

• Reopening school recommended by American Academy of Pediatrics
• Important for development
  • Cognitive
  • Social/emotional
  • Physical
• Defining metrics for reopening and putting into place the COVID-19 mitigation strategies needed to provide hybrid in-person learning
• The lower the case rate, better ability to keep students and staff safer and keep schools open
MDH School Reopening Guidance

START
Testing Positivity Rate

≤5.00%  >5.00%

New Case Rate  New Case Rate

≤5 per 100,000  >15 per 100,000  ≤5 per 100,000  >15 per 100,000

Expanded in-person programs  Hybrid or partially in-person programs  Limited in-person programs  Hybrid or partially in-person programs  Limited or no in-person programs

Reassess if new case rate
+2.00/100,000 OR positivity rate +1.5% within 2 weeks
Metrics for School Reopening

- MDH guidance is a broad framework
- School year beginning with hybrid in-person learning for
  - Special needs
  - Technology classes
  - English language learners
- In development are specific guidelines for K-5, 6-8, 9-12 by case rate at greater detail
- Cohort size
  - K-5 cohort size in the 10’s (classroom)
  - 6-8 cohort size in the 100’s (grade)
  - 9-12 cohort size in the 1000’s (school)
State Announcement

- Governor Hogan announced state can move to Stage 3
- State case rate was decreasing
- Our challenge: Anne Arundel Co case rate is increasing
Stage 3 Changes Allowed by Governor

- **Indoor theater** - Indoor theaters where live performances occur or motion pictures are shown may open to the general public at 50% capacity, or 100 people per auditorium—whichever is less—with appropriate health and safety protocols in place.

- **Outdoor venues** - Outdoor venues where live performances occur or motion pictures are shown outdoors may open to the general public at 50% capacity, or 250 people—whichever is less—with appropriate health and safety protocols in place.

- **Retail and Religious Facilities** - Capacity for retail establishments and religious facilities may increase from 50 to 75 percent.
Public Health Responses

- Goal is to stop rise in cases before they lead to rise in hospitalizations, illness and death

- Take additional actions
  - Goal is to stop and reverse increasing case rate

- No actions at this time
  - Unclear how we will stop the rise in case rate

- Move to part or all of Stage 3 per Governor’s plan
  - Accelerate already increasing case rate
Assessing Changes

- Assess individual risk of the activity
- All changes are connected
  - Increasing activity in one area increases risk everywhere
- Risks multiply
  - The more activities that open, the more rapidly risk increases
Areas to Address

- Family Gatherings
  - Education and media campaign
- Work outside of home
- Restaurants and Bars
Teleworking

- According to the US Bureau of Labor Statistics, 43% of American workers have the ability to telework

### Race/Ethnicity

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Percent</th>
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</thead>
<tbody>
<tr>
<td>White</td>
<td>48.7</td>
</tr>
<tr>
<td>Black</td>
<td>39.5</td>
</tr>
<tr>
<td>Hispanic</td>
<td>28.9</td>
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</tbody>
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### Age Group

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 to 24 years</td>
<td>23.7</td>
</tr>
<tr>
<td>25-54 years</td>
<td>46.7</td>
</tr>
<tr>
<td>55 years and older</td>
<td>48.1</td>
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### Occupations

<table>
<thead>
<tr>
<th>Occupations</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Management, business, and financial occupations</td>
<td>86.6</td>
</tr>
<tr>
<td>Professional and related occupations</td>
<td>64.4</td>
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<tr>
<td>Service occupations</td>
<td>7.9</td>
</tr>
<tr>
<td>Sales and related occupations</td>
<td>31.9</td>
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<tr>
<td>Office and administrative support occupations</td>
<td>59.2</td>
</tr>
<tr>
<td>Farming, fishing, and forestry occupations</td>
<td>0</td>
</tr>
<tr>
<td>Construction and extraction occupations</td>
<td>0</td>
</tr>
<tr>
<td>Installation, maintenance, and repair occupations</td>
<td>1</td>
</tr>
<tr>
<td>Production occupations</td>
<td>0.4</td>
</tr>
<tr>
<td>Transportation and material moving occupations</td>
<td>0.3</td>
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## Establishments

<table>
<thead>
<tr>
<th>Description</th>
<th>Number of Establishments</th>
<th>Number of Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retail Trade</td>
<td>1,912</td>
<td>31,944</td>
</tr>
<tr>
<td>Food Services &amp; Drinking Places</td>
<td>1,152</td>
<td>25,780</td>
</tr>
<tr>
<td>Drinking Places (Alcoholic Beverages)</td>
<td>36</td>
<td>501</td>
</tr>
<tr>
<td>Restaurants &amp; Other Eating Places</td>
<td>1,051</td>
<td>24,221</td>
</tr>
</tbody>
</table>

Bars and Restaurants

- CDC report that people who were positive were 2.4x more likely to be at a bar or restaurant than people who were negative
- Anne Arundel Co data shows 1.7x more retail establishments than restaurants and bars
- Slightly higher number of exposures at restaurants and bars (indoor and outdoor) compared to retail locations (368 vs 361)
- Restaurants and bars continue to have a significantly higher impact on Covid-19 transmission due to inability to maintain distancing and mask usage
Recommendation

• Take additional actions to stop and reverse increasing case rate
  • Decrease additional cases of illness and death
  • Creates conditions to allow public schools to reopen
  • Equity issues for students

• Potential steps include
  • Further limiting indoor and outdoor dining
  • Limiting outdoor events this fall
  • Target case rate of 5 to aid school reopening
  • Messaging on family gathering safety
  • Increased safety for front line workers