COVID-19
Update on Epidemiology and Testing

Lilian Peake, MD, MPH
State Epidemiologist
Virginia Department of Health
May 1, 2020
COVID-19 in Virginia
Updated 4/30/20 (Cases Reported as of 4/29/20 5:00 PM)

<table>
<thead>
<tr>
<th>Total Cases*</th>
<th>Total Hospitalizations**</th>
<th>Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>15,846</td>
<td>2,322</td>
<td>552</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Confirmed†</th>
<th>Probable†</th>
</tr>
</thead>
<tbody>
<tr>
<td>15,180</td>
<td>666</td>
</tr>
<tr>
<td>2,313</td>
<td>9</td>
</tr>
<tr>
<td>543</td>
<td>9</td>
</tr>
</tbody>
</table>
Cases by Age Group - Virginia

Deaths by Age Group - Virginia
TESTING IN VIRGINIA
Adaptive Response

Disease control
- Early detection (lab testing, alert clinical systems) and case isolation (home, hospital, other facilities)
- Extensive testing
- Contact tracing

Health care infection prevention and control
- Appropriate clinical care including staff surge when needed

Non-Pharmaceutical interventions (NPIs)
- Community engagement with clear communication, assessment of community acceptance leading to adjustment of approach
- Everyday personal NPIs (wash hands, cover coughs, stay home if ill)
- Environmental NPIs (clean surfaces, increase ventilation)

Personal NPIs (household quarantine, mask in community if ill)
- Community NPIs (high-risk group social distancing and closing schools)
- Community NPIs (general social distancing (SD) and closing schools (CS))
- Community NPIs (general SD and CS)

Supporting society
- Address ongoing health care needs including supply chain management and increased telemedicine
- Support continued social and economic activity including learning, emergency services, essential activities
- Protect vulnerable populations

Pharmaceutical interventions
- Treatments
- Vaccines

Version 2.0, 20 March 2020

Containment   Mitigation   Suppression   Prevention
Box it in

To get us all working again

TEST
Widely

ISOLATE
All infected people

QUARANTINE
All contacts self-isolate for 14 days

FIND
Everyone who has been in contact with infected people
Virginia needs to keep doing what we’re doing and plan for the next phase.

**VIRGINIA’S METRICS FOR PHASE ONE:**

- Moving downward: Percentage of positive tests over 14 days
- Moving downward: Hospitalizations over 14 days
- Enough hospital beds & intensive care capacity
- Increasing & sustainable supply of PPE
<table>
<thead>
<tr>
<th>Date</th>
<th>Tests Per Day</th>
<th>Cumulative Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-Apr</td>
<td>5,536</td>
<td>90,843</td>
</tr>
<tr>
<td>29-Apr</td>
<td>2,554</td>
<td>85,307</td>
</tr>
<tr>
<td>28-Apr</td>
<td>2,645</td>
<td>82,753</td>
</tr>
<tr>
<td>27-Apr</td>
<td>3,990</td>
<td>80,108</td>
</tr>
<tr>
<td>26-Apr</td>
<td>3,940</td>
<td>76,118</td>
</tr>
<tr>
<td>25-Apr</td>
<td>3,163</td>
<td>72,178</td>
</tr>
<tr>
<td>24-Apr</td>
<td>4,497</td>
<td>69,015</td>
</tr>
</tbody>
</table>

| Average   | 3,761         |
| Median    | 3,940         |
FEMA Briefing for State Health Officials

Preliminary information shared on 4/27/20 - not confirmed

- Goal = Test 2% of population in month of May
  - 171,000
  - 5,516 tests per day

- FEMA providing
  - 100% of swabs
  - 75% VTM
CDC Guidance: Specimen Collection
Updated 4/29/20

- NP, OP, NP wash, nasal wash collected by a healthcare professional or

- Anterior nares (nasal swab) specimen collected by a healthcare professional or by onsite or home self-collection (using a flocked or spun polyester swab)

- For providers who are handling specimens, but are not directly involved in collection (e.g. self-collection) and not working within 6 feet of the patient, follow Standard Precautions; laboratory coats or gowns, gloves, and eye protection are recommended

Priorities for COVID Testing

Health Care

<table>
<thead>
<tr>
<th>High Priority</th>
<th>Priority</th>
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<tbody>
<tr>
<td>• Hospitalized patients</td>
<td>• Persons with COVID symptoms</td>
</tr>
<tr>
<td>• HCWs and first responders with symptoms</td>
<td>• Persons without symptoms</td>
</tr>
<tr>
<td>• Workers and residents with symptoms in</td>
<td>• Screening</td>
</tr>
<tr>
<td>congregate settings</td>
<td></td>
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</tbody>
</table>
# Priorities for COVID Testing

## Public Health

<table>
<thead>
<tr>
<th>High Priority</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Outbreak investigations</td>
<td>• Persons without symptoms</td>
</tr>
<tr>
<td>• Selected contact investigations</td>
<td>• PH monitoring</td>
</tr>
<tr>
<td></td>
<td>• Sentinel surveillance</td>
</tr>
</tbody>
</table>

### Transition during May
- Local health departments work with local government and healthcare systems to conduct testing clinics while the outpatient providers increase capacity to test.
- Local health departments build up work force for containment efforts.

### After Transition
- All state testing supports public health surveillance and containment activities.
COVID-19 Testing Sites

This map/list is intended to help provide information of known locations of various COVID-19 test sampling sites and does not constitute endorsement by VDH. There may be additional sites that offer test sampling that are not included on the map and the status of listed sites are subject to change (may no longer perform COVID-19 testing services).

Vernon J. Harris Medical & Dental Center
719 N. 25th Street
Richmond VA 23223
Phone: 804-780-0840

Daily Planet West Grace Health Center
517 W. Grace Street
Richmond VA 23220
Phone: (804) 783-2505
Thank you!