

General Assembly COVID-19 Testing Report

OCTOBER 29, 2020

Technology and Supplies Procured or Acquired

- Specimen collection supplies for diagnostic testing including Nasopharyngeal swabs, Viral Transport Media Tubes, Labels for the tubes, specimen collection bags
- Specimen collection supplies for serology testing including blood collection needles and tubes
- Two QiaGen EZ1 instruments
- Testing supplies including reagents and consumables for the Roche MagNa Pure 96, the Thermo Fisher KingFisher, the bioMerieux EasyMAG, the Qiagen EZ1, and the Thermo Fisher 7500
- Test kits for the Abbott ID NOW platforms
- Laboratory supplies including test tube racks, waste containers, gloves, Lysol wipes, masks, disinfectant
- Shipping supplies including insulated shipping boxes, cold packs, and labels

Administrative and Operating Costs of BOL for COVID-19

*Costs are for COVID activities only, for January through present. Costs include overtime, supplies, equipment, courier services.

\$2,962,100.12 (this number is lower than the previous report due to our courier being counted twice)

Number and Type of Tests Completed by BOL

*Non-positive results include negative and inconclusive results. Results are for March through October 26.

Positive PCR Tests	Non-positive PCR Tests	Total
6,061	106,161	112,222

Positive Serology Tests	Negative Serology Tests	Total
0	1	1

BOL Testing Limitations

- Supplies for high throughput instruments have been an issue. These supplies include reagents and consumables (pipettes, tips, blocks). We are currently receiving most of our supplies through the CDC's IRR and we're limited to the number we can order each week. The manufacturers are working on increasing production, but the federal government has been allocating more supplies to States, like Florida, California, and Texas, who are seeing large outbreaks.
- Staff has also been a limiting factor. Our Microbiology team and clerical staff have been working overtime to complete testing for COVID-19, as well as their normal everyday testing. We are preparing for flu season and are expecting a large increase in testing for the fall. We have filled 2 contractual Microbiologist positions and are looking to fill 6 more. We are also working to fill 6 clerical, BIIT, and support staff positions.

- The State Laboratory is currently a limiting factor. We are in the process of purchasing more high throughput instruments to increase our testing capacity, but we have limited space in our laboratory. We have been unsuccessful in finding temporary lab space, so we are working with our landlord to possibly do minor renovations to our current facility.

Demographic Test Result Data for All Test Results

*Includes PCR test results only for PA residents. Non-positive results include negative and inconclusive results. Results are for March through October 26.

Age			
	Non-positive	Positive	Total
Unknown	950	133	1,083
0-4 Years	50,155	2,147	52,302
5-12 Years	68,613	3,483	72,096
13-18 Years	107,347	9,293	116,640
19-24 Years	242,095	26,224	268,319
25-49 Years	807,617	67,957	875,574
50-64 Years	501,846	40,365	542,211
65+ Years	483,155	40,047	523,202
Total	2,261,778	189,649	2,451,427

Sex			
	Non-positive	Positive	Total
Female	1,246,306	102,521	1,348,827
Male	953,582	85,877	1,039,459
Other	173	8	181
Unknown	61,717	1,243	62,960
Total	2,261,778	189,649	2,451,427

Race			
	Non-positive	Positive	Total
Asian	23,511	3,688	27,199
Black	156,662	23,796	180,458
White	798,435	75,991	874,426
Other	12,052	1,940	13,992
Unknown	1,271,118	84,234	1,355,352
Total	2,261,778	189,649	2,451,427

Ethnicity			
	Non-positive	Positive	Total
Unknown	1,860,982	124,881	1,985,863
Hispanic	56,653	15,469	72,122
Non-Hispanic	344,143	49,299	393,442
Total	2,261,778	189,649	2,451,427