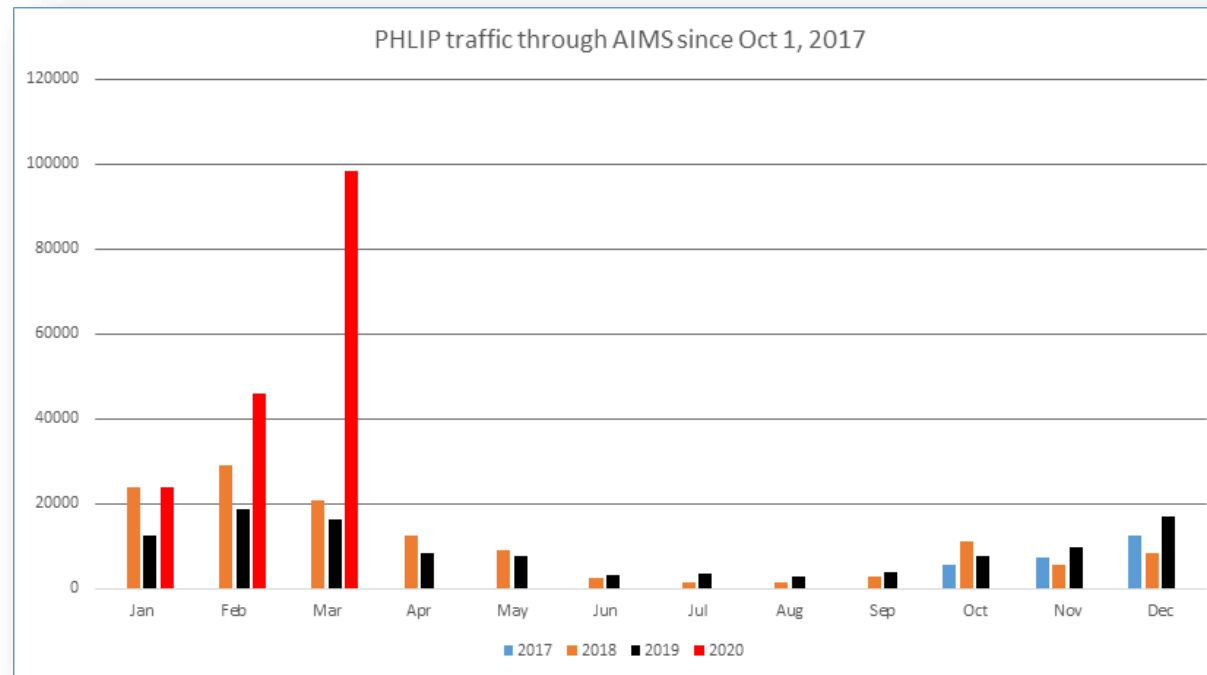


# Building Laboratory Capacity

- Providing Technical Assistance
- Developing Terminology Guidance
- Utilizing Existing Infrastructure



# Exploring New Solutions

LWP FEATURE	OPTION 1	OPTION 2	OPTION 3
<i>Implementation Overview</i>	<b>Manual Order and Result Entry:</b> -Provider Manually Enters Test Order in LWP -Lab Manually Enters Result in LWP	<b>Manual Order and Automatic Test Results (current PHLIP 2.5.1 reporters only):</b> -Provider Manually Enters Test Order in LWP -The LWP will retrieve SARS-CoV-2 lab results from the PHLIP 2.5.1 message feed to populate patient results in LWP	<b>Automated Sync Service: Bi-directional connection between LWP and STARLIMS:</b> -Orders submitted via the portal will be pre-logged in the LIMS -Results reports published in STARLIMS will be automatically reflected in the portal.
<i>Order Entry</i>	Manual	Manual	Manual
<i>Lab Result</i>	Manual	Automated Upload of Results via Philip Feed	Automatic Sync from LIMS
<i>PDF Results Report</i>	Manual Upload	Manual Upload	Automatic Sync from LIMS
<i>Complexity</i>	Low	Medium	Medium
<i>Results Provided to CDC</i>	Optional creation of PHLIP ELR Message for routing of results to CDC	LWP will retrieve SARS-CoV-2 lab results from the PHLIP 2.5.1 message feed to populate patient results in LWP	Optional creation of PHLIP ELR Message for routing of results to CDC
<i>LIMS Bi-directional Sync</i>	N/A	N/A	✓
<i>Time to Implement</i>	11-14 days	12-15 days	15-18 days
<i>Covid-19 Test Requisition Form</i>	✓	✓	✓
<i>Batch Order Upload</i>	✓	✓	✓
<i>Epi Approval and Prioritization</i>	✓	✓	✓
<i>Ask at Order Entry Questions</i>	✓	✓	✓
<i>StarLims Version</i>	N/A	N/A	V9*, V10, V11, V12 Compatible (V9 may require additional implementation time)
<i>Resources Needed</i>	Resources: -Lab staff needed for testing and feedback LOE: -Lab Staff: 5-10 hr	Resources: -Lab staff needed for testing and feedback -IT Staff for Rhapsody and HL7 PHLIP Updates LOE: -Lab Staff: 7-14 hrs -IT Staff: 16-20 hours	Resources: -Lab staff needed for testing and feedback -IT Staff for StarLims and LIMSCONNECT Installation & Deployments LOE: -Lab Staff: 16-20 hrs -IT Staff: 5 hours



# Looking Ahead

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MSH|^~\&#|STARLIMS.AR.STAG^2.16.840.1.114222.4.3.3.2.5.2^ISO|AR.LittleRock.SPHL^2.16.840.1.114222.4.1.20083^ISO|US WHO
SFT|Software Vendor|v12|Software Name|Binary ID unknown||20181008
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ORC|RE|1905700000256-12^PHLIP-Test-EHR^2.16.840.1.113883.3.72.5.24^ISO|1905700000256-176^STARLIMS.AR.STAG^2.16.840.1.1
OBR|1|1905700000256-12^PHLIP-Test-EHR^2.16.840.1.113883.3.72.5.24^ISO|1905700000256-176^STARLIMS.AR.STAG^2.16.840.1.1
OBX|1|CWE|94307-6^2019-nCoV N XXX Ql NAA N1^LN||260373001^Detected^SCT|||||F|||201902281257-0500|||||201904020721-050
OBX|2|CWE|94308-4^2019-nCoV N XXX Ql NAA N2^LN||260373001^Detected^SCT|||||F|||201902281257-0500|||||201904020721-050
OBX|3|CWE|94310-0^SARS-like CoV N XXX Ql NAA+probe^LN||260373001^Detected^SCT|||||F|||201902281257-0500|||||201904020
OBX|4|CWE|68993-5^Human RNase P RNA XXX Ql NAA+probe^LN||260373001^Detected^SCT|||||F|||201902281257-0500|||||2019040
OBX|5|NM|94311-8^2019-nCoV N Ct XXX Qn NAA N1^LN||24|{Ct}^CrossingThreshold^UCUM|||||F|||201902281257-0500|||||2019040
OBX|6|NM|94312-6^2019-nCoV N Ct XXX Qn NAA N2^LN||20|{Ct}^CrossingThreshold^UCUM|||||F|||201902281257-0500|||||2019040
OBX|7|NM|94313-4^SARS-like CoV N Ct XXX Qn NAA+probe^LN||15|{Ct}^CrossingThreshold^UCUM|||||F|||201902281257-0500|||||
OBX|8|NM|86316-7^Human RNase P RNA Ct XXX Qn NAA+probe^LN||23|{Ct}^CrossingThreshold^UCUM|||||F|||201902281257-0500||
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ORC|RE|1905700000256-13^PHLIP-Test-EHR^2.16.840.1.113883.3.72.5.24^ISO|1905700000256-177^STARLIMS.AR.STAG^2.16.840.1.1
OBR|2|1905700000256-13^PHLIP-Test-EHR^2.16.840.1.113883.3.72.5.24^ISO|1905700000256-177^STARLIMS.AR.STAG^2.16.840.1.1
OBX|1|CWE|94309-2^2019-nCoV RNA XXX NAA+probe-Imp^LN||260373001^Detected^SCT|||||F|||201902281257-0500|||||2019040207
NTE|1|L|94309-2 is a report code. It should be conditional in the panel = either this OR all the target codes MUST be
SPM|1|^1905700000256-12&STARLIMS.AR.STAG&2.16.840.1.114222.4.3.3.2.5.2&ISO||258500001^Nasopharyngeal swab (specimen)^S
```

