

**PDSA Worksheet** **Template**

**Project Name: Drive-thru Swabbing**

**Cycle #: 1 (April 16, 2020)**

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| **Objective** |
| To increase efficiency of COVID-19 testing process as evidenced by increased testing capability, decreased PPE usage and decreased human resource requirements through the establishment of a ‘drive-thru’ swabbing model at Colchester East Hants Health Centre. |

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| **1. Plan:** Plan the test, including a plan for collecting data.  |
| X:\1-NSHA QI&S Documents\Quality Improvement Capacity Building\Resources\PDSA image.jpg | In collaboration with the pre-existing primary assessment clinic processes currently housed at the RECC in Truro, the CEHHC ED pre-triage area (tent) will expand to include a drive thru swabbing process.  |
| Drive-thru testing will commence April 15, with the first appointment starting at 1115; the last appointment will be scheduled for 1830. Staffing model: 1 RN, 1 LPN from primary assessment clinic, 1 health information staff, 1 LPN from ED to ensure inclusion/knowledge transfer for pre-triage piece. |
| The following measures will be collected/reported:* Total patients (booked, referred, drive-in)
* PPE counts
* Total HR resources
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| **2. Do: Run the test on a small scale.**  |
| X:\1-NSHA QI&S Documents\Quality Improvement Capacity Building\Resources\PDSA image.jpg | Drive-thru testing commenced and finished as planned. No process issues identified.Staff reported:* increased efficiency; working as team, able to complete scheduled tests with additional time to spare.
* decreased risk of cross contamination between patients
* patient comfort/physical ability to be screened
* no need for Environmental Services to be utilized as patients remain in their own vehicle
* far less PPE being used and discarded

25 patients tested in total (23 811 referrals, 1 drive in, 1 physician referral). RN and LPN from primary assessment clinic performed testing in team approach.  |

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| **3. Study: Analyze the results and compare them to your predictions.**  |
| X:\1-NSHA QI&S Documents\Quality Improvement Capacity Building\Resources\PDSA image.jpg | * Registration process transferrable to new location (i.e. pre-registration, label printing, access to supplies).
* Testing completed within planned time frame.
* Positive feedback from staff and patients.
* PPE usage dramatically decreased (actual counts to be reported for 5 day span).
* Unable to perform pre-triage function with only 1 RN and 1 LPN.
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| **4. Act: Based on what you learned from the test, make a plan for your next step.**  |
| X:\1-NSHA QI&S Documents\Quality Improvement Capacity Building\Resources\PDSA image.jpg | * Continue with RN/LPN team model for drive-thru testing
* Add additional LPN to support daytime pre-triage, break coverage and ability to rotate inside tent
* Adjust hours to support pre-triage 12 hours and opening/closing of tent
* Pre-plan testing location for rainy weather i.e. under overhang
* Ensure runner available for chart/swab/supply retrieval as needed
* Explore opportunity to increase appointment availability per hour
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