

**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 |