

**PDSA Worksheet** **Template**

**Project Name: Drive-thru Swabbing**

**Cycle #: 3 (April 22, 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 commenced April 15. |
| Staffing model will be 1 RN, and 2 LPNs from primary assessment clinic only (no staff from ED), 1 ward aide to be available as runner. Pre-triage function to be part of the PAC service. PAC bookings to be increased to 30/day. |
| 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 continues to operate without process issues. Booking/performed ~ 30 patients daily with 1-2 “drive-ins”/physician referrals accommodated. Staffing model adjusted to 1 - TD LPN, 1 - 10hr D RN, 1 - 10hr D LPN. |

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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 | * Staffing model working well.
* Pre-triage function in place 07 to 19, no longer supported by ED staff.
* Time adequate for opening/closing of tent.
* Referring some patients to respiratory clinic.
* Additional pylons added for vehicle flow.
* PPE usage analysis completed:
	+ PAC RECC vs PAC Drive Thru (10 hr day)
		- Gowns: decreased 87% (75 -> 10)
		- Gloves: decreased 50% (160 -> 80)
		- Masks: decreased 67% (90 ->30)
		- Eliminated roles of Security and Environmental Services
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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 | * Further explore opportunities to refer to Respiratory Clinic from pre-triage.
* Continue to monitor for improvements.
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