**Reducing Inpatient Echocardiograms at Burnaby Hospital**

**Project Charter**

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| **PROJECT TITLE/DEPARTMENT:**  | Reducing inpatient echocardiograms at Burnaby Hospital  | **PROJECT END DATE:**  | March 31, 2019 |
| **PROJECT START DATE:**  | September 2018 | **PROJECT MANAGER:** | Dr. Sarah Ostler |
| **PROBLEM STATEMENT** |
| ***Goal****:* By March 31st 2019, inpatient echocardiograms at Burnaby Hospital will decrease by 15% ***Problems Identified:*** * The number of inpatient ordered has been increasing – currently inpatients comprise 43% of echocardiograms ordered
* Inpatient awaiting testing or results have a longer length of stay - 51% of these patients stay an average of 5 days longer than their expected length of stay (ELOS)
* Issues with the current ordering practice are:
* Echocardiogram results will not change the course of management for some patients
* Duplication of tests some patients have had a recent echocardiogram and new result may not change the course of treatment
* Insufficient information provided on the request for testing to determine the urgency or appropriate timing of administering the test
* Frequent re-booking of tests creates unnecessary work
* Some types of the echocardiograms listed on the Meditech drop down list are not offered at Burnaby Hospital, leading to incorrect requests for testing and a delay in booking
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| **GOALS** | **METRICS** |
| 1. Provide echocardiograms that are clinically indicated, using evidence based practice and clinical judgment
 | * % of medical staff who found indications tips, process changes and education useful and changed their practice
* % of inpatient echocardiograms that meet the appropriate indications and reason for testing
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| 1. Develop a booking form which helps in the triage process for inpatients meeting the clinical indications for echocardiogram and provide testing as an outpatient where possible
 | * # Average waiting time for outpatient echocardiogram
* % of inpatient versus outpatient echocardiograms
* Number of inpatient echocardiograms ordered
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| 1. Improve patient access and address health outcomes according to goals of care
 | * Wait time for echocardiogram
* % of inpatients who met the indications criteria tool
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| 1. Reduce or eliminate the re-booking of echocardiogram tests
 | * % of test that are re-booked (decision support) and number of tests cancelled
* % of duplicated echocardiograms within 6-12 months
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| 1. Optimize revenue in cardiology by increasing percentage of outpatient testing
 | * # of inpatient tests completed
* # of outpatient tests completed
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| 1. Improve expected length of stay for patients requiring an echocardiogram
 | * # of days waiting for test in hospital and LOS after test is completed
* # of days from order to testing for inpatients, # of days to results
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| **DELIVERABLES / MILESTONES** |
| * Development of a requisition form for echocardiograms
* Development of indicator tool for echocardiograms
* Update booking process for echocardiograms i.e. auto-prompt as outpatient appointments, auto-prompt previous echo and date, booking form, etc.
* Education of Medical Staff on the indications for echocardiograms and indications for inpatient echocardiograms
* Develop process for follow-up of the outpatient echocardiogram results by a primary care provider in community or internal medicine specialists in the community
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| **SCOPE - IN:** | **SCOPE - OUT:** |
| * All inpatient echocardiograms done at Burnaby Hospital
* All pre-printed orders that include echocardiograms
 | * Other testing performed by cardiology
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| **RESOURCES (Name, Title, Project Roles** |
| Project Sponsor: Sheila Finamore | Project Manager: Sarah Ostler |
| Working Group:  |
| **STAKEHOLDERS** |
| * Medical Imaging, Unit clerks, Physicians (IM, Cardiology, Hospitalist, Internal medicine, ER, Neurology, anesthesia) PCC
 |
| **SPONSOR(S) signature** |  | **DATE** |  |