**Resident Project – QUALITY IMPROVEMENT**

**Family Medicine, Western University**

**This document will walk you through the steps of completing a Quality Improvement (QI) project.**

**QI projects will focus on your family medicine home centre and will be an issue that involves or affects patient care.**

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|  | **Resident Name** | **Faculty Advisor Name** | **Family Medicine Site [ie. SJFMC, Hanover]** | **Indicate one Faculty Advisor as Project Lead** |
| **1** |  |  |  |  |
| **2** |  |  |  |  |
| **3** |  |  |  |  |
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| **Provide the following information for the final writeup. [Not needed for proposal submission]** | |
| **Title of project** |  |
| **Abstract [less than 250 words]** |  |
| **Preference for presentation type at Resident Project Day [June PGY2]**  **[Poster or Oral presentation]** |  |

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| **-----------------------------------------------------BACKGROUND-----------------------------------------------------** | | | | | | | | | | |
| **Each resident within group to describe a clinical event that did not go as planned.**  **What were personal characteristics that contributed? What were system characteristics that contributed?** | | | | | | | | | | |
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| **Describe a problem or gap within your clinic. What is the baseline level of the problem? Describe context.** | | | | | | | | | | |
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| **Describe literature search strategy [databases/keywords] Summarize literature relating to problem [min 5 references]** | | | | | | | | | | |
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| **For a QI project related to the above problem, who should be on your project team? [a flow chart can help identify]** | | | | | | | | | | |
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| **------------------------------------------------------FRAMEWORK ----------------------------------------------------** | | | | | | | | | | |
| **Aim Statement – What improvement do you want to see? [Should answer: How good? For whom? By when?]** | | | | | | | | | | |
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| **Family of Measures – What will you measure? How will you measure it?** | | | | | | | | | | |
| 1. **Outcome Measure**   *[measure you ultimately want to impact]* | | |  | | | | | | | |
| 1. **Process Measure**   *[measure that will tell if on way to improvement]* | | |  | | | | | | | |
| 1. **Balance Measure**   *[measure suggests changes affect other areas]* | | |  | | | | | | | |
| **Complete a cause and effect diagram to understand the root cause of problem. Can attach as separate document.** | | | | | | | | | | |
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| **List change ideas that might result in improvement [Use QI tools: process map, benchmarking, change concepts, etc]** | | | | | | | | | | |
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| **Choose 1 change idea and describe how it was prioritized. (Think feasibility, stakeholder buy-in, high yield/low effort)** | | | | | | | | | | |
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| **Are there any ethical concerns with this project (data privacy)? [Use screening tool** [**ARECCI**](http://www.aihealthsolutions.ca/arecci/screening/55021/8f6f090b310a251328ceb8b806a3d3e0) **for ethics eligibility]** | | | | | | | | | | |
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| **Is project realistic (setting/resources)? Can it be done in 3-6 months? Have you consulted with team/stakeholders?** | | | | | | | | | | |
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| **------------------------------------------------PLAN DO STUDY ACT-------------------------------------------------** | | | | | | | | | | |
| * **Identify one change you would like to test.** * **PDSA 1 should be a very small test. Subsequent PDSAs can be larger if PDSA 1 is successful.** * **If PDSA 1 does not work, think ‘why’ and determine another change to test.** * **For this project, you should aim to complete at least 2 PDSAs.** * **Copy and paste this worksheet as needed [e.g. additional PDSAs or testing 2 changes in parallel]** | | | | | | | | | | |
| **What, when, where will you test? Who will test it?**  **What data will you collect and how?** | | **What did you find?**  **What did you find unrelated to the plan?** | | | | | **Analyze your data you set out to collect in “Plan”**  **Did test lead to improvement?** | | | **What modifications should you make?**  **What will you do for the next PDSA?** |
| **PDSA 1 Date started: Date completed:** | | | | | | | | | | |
| **Plan** | **Do** | | | | | **Study** | | | **Act** | |
|  | After completing “Plan” of PDSA 1, you have completed the proposal section of the Quality Improvement (QI) form. | | | | |  | | |  | |
| **PDSA 2 Date started: Date completed:** | | | | | | | | | | |
| **Plan** | **Do** | | | | **Study** | | | **Act** | | |
|  |  | | | |  | | |  | | |
| **PDSA 3 Date started: Date completed:** | | | | | | | | | | |
| **Plan** | **Do** | | | | **Study** | | | **Act** | | |
|  |  | | | |  | | |  | | |
| **PDSA 4 Date started: Date completed:** | | | | | | | | | | |
| **Plan** | **Do** | | | | **Study** | | | **Act** | | |
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| **-------------------------------------------------SUMMARY REPORT--------------------------------------------------** | | | | | | | | | | |
| **Give brief summary of results for each family of measure below.** | | | | | | | | | | |
| **Outcome Measure** | | | |  | | | | | | |
| **Process Measure** | | | |  | | | | | | |
| **Balance Measure** | | | |  | | | | | | |
| **Present your results for the outcome measure with the below graph [or create your own chart within word or excel]**  *[Right click on chart area and select “Edit Data”. Change data to reflect your numbers]* | | | | | | | | | | |
| **Based on findings, should project be continued or implemented? Why (not)? Reflect on sustainability of project.** | | | | | | | | | | |
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| **If results did not reach goal, what are possible explanations for the variance from the target?** | | | | | | | | | | |
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| **Describe possible sources of bias to your project.** | | | | | | | | | | |
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| **Describe successes in implementing the change** | | | |  | | | | | | |
| **Describe difficulties in implementing the change** | | | |  | | | | | | |
| **Discuss significance and relate findings to the literature [min 5 references]** | | | | | | | | | | |
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| **Reflect on your team effectiveness. What worked well? What didn’t?** | | | | | | | | | | |
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| **Describe lessons learned from an improvement project on this topic. What would you differently?** | | | | | | | | | | |
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