

## Continuous Quality Improvement (CQI)

## Example: Pregnancy and Vaccinations (Cat 4)

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| **CQI steps** | | **Ask-Do-Describe** | |
| **Data report 1 - baseline** | **First CQI meeting** | **Why do we want to change?** | |
| * Gap | Low coverage of influenza and pertussis vaccinations in eligible pregnant women |
| * Benefits | Reduce risk of influenza in pregnant women and pertussis in newborn babies |
| * Evidence | The influenza and pertussis vaccines are provided free to pregnant women through the National Immunisation Program. Vaccination during pregnancy is a safe and effective way to protect pregnant women and their babies against influenza and pertussis. Protective antibodies are passed through the placenta to the babies, protecting them in their first few months of life when they are most vulnerable.  Influenza is a serious disease for pregnant women and the developing and newborn baby. Changes to immune, heart and lung functions during pregnancy make pregnant women more vulnerable to severe illness from influenza.  [Pertussis](https://beta.health.gov.au/health-topics/whooping-cough-pertussis) can cause serious complications including acquired brain injury, pneumonia and sometimes death. The most effective way to protect young babies from pertussis is for women to receive the vaccine during pregnancy. Vaccination during pregnancy reduces disease in babies aged less than three months by over 90%. |
| **What** do we want to change? | |
| * Topic | The proportion of pregnant women offered/administered Influenza and pertussis vaccines will increase as a result of this activity |
| * Scope | All pregnant women at appropriate gestation for recommended vaccinations |
| **How much** do we want to change? | |
| * Baseline (%) | To be determined from report |
| * Sample (number) | All pregnant women at appropriate gestation for recommended vaccinations |
| * Target (%) | 100% of pregnant women are **offered** appropriate vaccinations  Increased proportion of pregnant women vaccinated |
| * Preparedness | All staff believe this is a priority activity for the practice and their patients |
| **Who** are involved in the change? | |
| * Leads   Contributors | Practice Manager/ Lead GP  GPs/Practice Nurses/ Receptionists |
| * External | PHN Practice Support |
| **When** are we making the change? | |
| * Deadlines | Baseline data report generated (date)  Poster acquisition (date)  Newsletter and webpage update (date)  Implementation between (date range)  Review meeting (date) |
| **How** are we going to change? | |
| * Potential solutions | • Promote pregnancy vaccinations via webpage, newsletter, and posters  • Identify eligible patients and recall  • Flag eligible patients and book with PN or GP to discuss benefits and identify barriers to vaccination |
| * Select | Combination of all three options was selected |
|  | | | |
| **Implementation** | | * Implement | *1.Generate with baseline measure (Pregnant and Vaccinations) via Cat 4 recipe*  *[\*Identify pregnant patients with Influenza and Pertussis both missing/overdue](https://gcphn.org.au/wp-content/uploads/2021/03/CAT4-Recipe-pregnant-patients-with-missing-overdue-influenza-and-pertussis_Updated-Feb21.pdf)*  *2. Export required patient lists to identify patients missing one or both immunisations with the goal to target both immunisations at the same time*  *3. List provided to Receptionist to add a recall for patients and/or flag eligible patients to maximise opportunistic immunisation encounters*  *4. Monitor progress using excel spreadsheet and CAT 4* |
| * Record, share |  |
|  | | | |
| **Data Report 2**  **Comparison** | **Final CQI meeting** | **How much** did we change? | |
| * Performance | *Did you achieve your target?*  *If not identify why not, consider new activity to test* |
| * Worthwhile | *Was the effort to complete the improvement activity worth the outcome?*  *Did the team value the improvement activity?* |
| * Learn | *What lessons learnt could you use for other improvement activities?*  *What worked well, what could have been changed or improved* |
|  | **What next?** | |
| * Sustain | *Implement new processes and systems into business as usual* |
| * Monitor | *Review CAT4 data report monthly/quarterly and initiate corrective measures as required* |