

# Vaccination Uptake in Pregnancy: an evaluation of the introduction of a patient information package in a general practice

Fermoy-Rathcormac Medical Practice

# The Problem

Flu has ↑ morbidity & mortality in pregnancy

Pertussis has ↑ morbidity & mortality in newborns

Both largely preventable via vaccination

# What's known

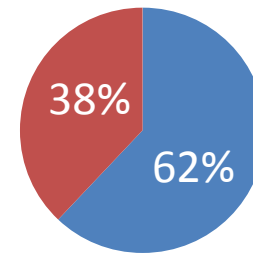
The advice of the antenatal care provider is a key determinant in vaccination uptake during pregnancy

# Pre-Intervention

58 patients:

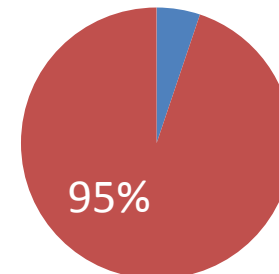
- 84% offered Flu vaccine
- 62% accepted
  
- 19% offered Pertussis
- 5% accepted

**Influenza Vaccine Accepted?**




■ Yes  
■ No

**Pertussis Vaccine Accepted?**



■ Yes  
■ No


# Intervention




**I'M  
VACCINATING  
FOR TWO NOW.**



Pregnant women and their babies are at risk from flu.  
Protect you and your baby - get your flu vaccine.

**IT'S A LIFESAVER**





For more information, call 0800 011 111 or visit [www.immrisation.ie](http://www.immrisation.ie)

 Department of Health  
Quality Improvement Division



**Protect  
your baby,  
protect  
yourself**

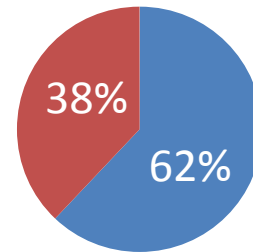
**Get the Whooping Cough Vaccine**

 [www.immrisation.ie](http://www.immrisation.ie)  Department of Health

# Influenza Vaccine

- Before:
  - 84% offered
  - 62% accepted

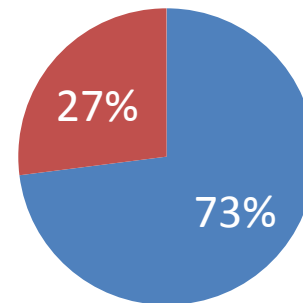
Before: Influenza Vaccine Accepted?



■ Yes  
■ No

- After:
  - 97% offered
  - 73% accepted
  - **x 1.7** more likely to receive

After: Influenza Vaccine Accepted?

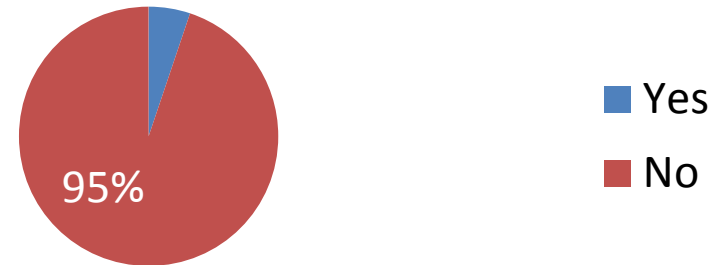


■ Yes  
■ No

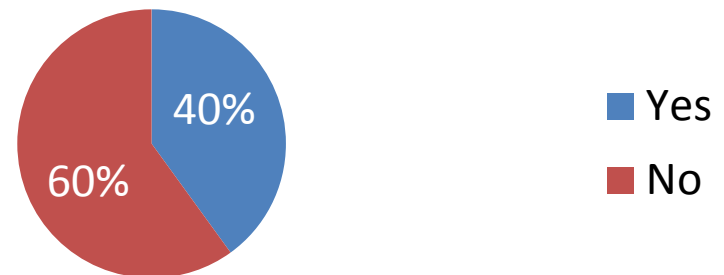
# Pertussis Vaccine

- Before:
  - 19% offered
  - 5% accepted
- After:
  - 71% offered
  - 40% accepted
  - **x 12** more likely to receive ( $p < 0.001$ )

Before: Pertussis Vaccine Accepted?



After: Pertussis Vaccine Accepted?



# Take home message

- Simple intervention significantly increased uptake of vaccines in pregnant women
- Barriers to vaccine uptake in pregnancy need to be identified and dealt with
- GP has key role in vaccination uptake in pregnancy



# Results

## Pre-intervention

58 patients:

- 84% offered Flu vaccine
- 62% accepted
  
- 19% offered Pertussis
- 5% accepted

## Post-intervention

42 patients

- 97% offered Flu vaccine
- 73% accepted
- **1.7 times** more likely to receive vaccine
  
- 71% offered Pertussis
- 40% accepted
- **12 times** more likely to receive vaccine