Hospital Based Innovations

Jo Hickman
ANUM Monash Immunisation
Improving Seasonal Influenza Immunisation in at Risk Renal Patients

In 2013 Monash Immunisation were approached by the Renal Department to help achieve 95% or greater seasonal influenza uptake. Known barriers to uptake of the vaccination include:

- Missed opportunities during contact with healthcare providers
- Lack of delivery systems in hospital settings
- Patient and provider fears about adverse events
Improving Seasonal Influenza Immunisation in at Risk Renal Patients

The aims of the project were to:

Utilise the knowledge and expertise of the expanded Monash Health immunisation service.

Provide immunisations at a more convenient time for patients such as during an incidental healthcare visit e.g. dialysis or clinic visits.

Capture accurate immunisation data for all the prevalent sites.
Improving Seasonal Influenza Immunisation in at Risk Renal Patients

In-services were provided at the satellite dialysis sites:

- Berwick - 59 patients
- Casey - 42 patients
- Dandenong - 59 patients
- Moorabbin - 78 patients

Information was provided via:

- Posters in waiting areas
- Department of Health immunisation flyers
- Explanatory letter offered to patients
Improving Seasonal Influenza Immunisation in at Risk Renal Patients

Nurse Practitioners provided prescriptions and medication orders.

Immunisation nurses travelled to satellite units.

Data collection improved and centralised via Immunisation service systems.

In 2014 a fax back GP letter given to patients if vaccinated at GP.

In 2015 a letter to the GP introduced if the vaccine given by Monash Health.
Improving Seasonal Influenza Immunisation in at Risk Renal Patients

Influenza referral forms made available at renal outpatient clinics.

The establishment of a dedicated immunisation clinic for immunocompromised and other at risk patients (e.g. pre and post transplant) set up by Dr. Michelle Giles in 2014.
Success of 2014 Program

85% influenza vaccination of prevalent satellite patients (this compares to approximately 60% the previous year).

Over 230 patients attending renal clinic appointments vaccinated via Monash Immunisation.

Immunisation at both dialysis sites and Monash Immunisation provided an effective and convenient alternative for patients.

Identified areas for improvement for 2015.

Facilitated the introduction of the HALO principle.
Success of 2014 Program

Education of staff and patients to improve immunisation awareness.

Development of centralised data collection.

Collaboration between hospital services ensuring most up to date immunisation information consistently translated into best practice.

Improved links with primary health care.

Project presented at the Annual Scientific Meeting for Renal Week.
Success of 2015 Program

92% immunisation of prevalent satellite patients.

Monash Immunisation only provided in-services at the 4 sites, vaccine delivery all coordinated by renal nurses.

Over 260 patients attending renal clinic appointments vaccinated at the onsite immunisation clinic.

Continuing consultations in high risk renal immunisation clinic.
Influenza Vaccination by Unit

Number of vaccines given
Provider of Influenza Vaccination

2014 Influenza Vaccinations at Dialysis Sites:
- 62% Immunised by GP
- 24% Immunised at Dialysis Unit
- 8% Missed i.e. In Patient
- 4% Refused
- 4% Other Place
- 1% Unsure

2015 Influenza Vaccinations at Dialysis Sites:
- 42% Immunised by GP
- 45% Immunised at Dialysis Unit
- 8% Missed i.e. In Patient
- 1% Refused
- 4% Other Place
- 1% Unsure
Advantages of vaccinations being given in dialysis units

Nurse Practitioners observed a positive “culture” towards vaccination.

Provides opportunity and more time to discuss other vaccinations.

Vaccinations can be delivered in a more timely manner.

Documentation and recording of vaccination status can be more accurate and efficient.
Examining overall vaccination status of renal patients highlighted that the Hepatitis B protocol had not been reviewed for a number of years.

A new protocol developed by Dr. Michelle Giles reflecting current guidelines.

Creation of a Hepatitis B template in an electronic form currently underway.

This document will sit in Scanned Medical Records.

All dialysis staff will have access to this form.
Hepatitis B Vaccination In Renal Patients
Goals for 2016

1. To achieve 95% uptake of influenza vaccination amongst dialysis patients.

2. To increase the number of renal patients seen in Monash Immunisation for influenza vaccination.

3. For Monash Immunisation to act as a resource only for dialysis sites.
Spina Bifida patients attend a monthly multidisciplinary clinic on a Saturday morning.

MI assess medical histories and check ACIR, and encourage appropriate vaccinations.

Influenza vaccination recommended for all family members, can access this in clinic or attend drop in centre.

Multidisciplinary clinic provides ideal setting to discuss questions relating to vaccines and build a rapport with patients and families.
Roll Out Of Antenatal Boostrix

Monash Health provides maternity care to over 9000 women each year.

Antenatal clinics at Dandenong and Casey are stand alone clinics.

Process currently underway of purchasing fridges for two sites.

Standing orders
Increasing Influenza Vaccination in CF Patients

Monash Health CF database, 117 paediatric and 102 adult patients

Follow up each patient in cohort to ascertain immunisation status

Educate parents/guardians and patients on importance of influenza vaccination

Physicians/ Care Co-ordinators to recommend influenza vaccination, discussion also around pneumococcal vaccinations.
Improving Paediatric Influenza Uptake in 2015

Meetings with OPD Nurse Managers, Care Co-ordinators

Information provided in clinic waiting areas

Email consultants regarding recommendation of influenza vaccination

Information alert at Grand Round before influenza season

Intranet promotion of influenza vaccination

Promotion on corporate TV’s and Twitter
Paediatric Influenza Uptake

![Improving Paediatric Influenza Uptake](chart.png)

**NUMBER OF VACCINES GIVEN**

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<th>YEAR</th>
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**YEAR**

- 2012
- 2013
- 2014
- 2015
Acknowledgments

Monash Immunisation

Renal Nurse Practitioners Kerry Linton and Annette Bezzant

Renal nursing staff at Monash Health dialysis sites