Caregiver attitudes and practices towards influenza vaccination

of their medically at-risk children

Dan Norman, Margie Danchin, Hannah Moore, Paul Van Buynder, Chris Blyth, Children with medical co-morbidities are at increased risk of severe influenza infections

- Hospitalisation: Gill et al
 ICU admission risk & length of hospitalisation¹

Influenza vaccination has remained low in and affected by past events

5-25% influenza vaccination uptake²
 Impacted by parental attitudes and adverse vaccine event: 2010 CSL's FluVax linked febrile events²

Study conducted in three tertiary specialist hospitals outpatient clinics

o Princess Margaret Hospital, Western Australia

o Royal Children's Hospital, Victoria

Gold Coast University Hospital

Caregiver surveys: Children influenza vaccination attitudes, practices and recommendations for influenza vaccination in medically at-risk children eligible for free flu vaccination

556 surveys were analysed from 611 collected

Multivariable logistic regression for influenza vaccine uptake in 2017











Children, Caregivers, and Hospital Physicians

- o 80.1% of caregivers happy for influenza immunisation during child's future hospitalisation

Uptake Predictor	Vaccinated	Not vaccinated	aOR (95% CI) for Influenza Vaccine uptake in 2017
Hospital physician vaccine recommendation	81% (173)	35% (117)	4.3 (2.6 – 7.3)
Lack of any vaccine recommendation	22% (36)	66% (254)	0.1 (0.08 - 0.20)
Previous hospital-based vaccination	75% (104)	45% (186)	3.1 (1.8 - 5.4)
Caregiver believing vaccine to be ≥50% effective	63% (233)	32% (57)	3.8 (2.4 – 6.0)
Caregiver expressing concerns about vaccine side effects	31% (44)	60% (246)	0.5 (0.2 – 0.9)









Take home messages

- Reported Influenza Vaccination was higher than previously observed: 52.4%
 Based on self-reported caregivers (Bias or over-reporting?)
- Importance of Caregivers' belief in effectiveness and safety of Influenza vaccines Similar to previous observations in Australian children
- A recommendations by child's hospital physicians and previous uptake in hospital setting predicted future uptake
- Lack of any recommendation: Strongest uptake barrier

Further exploration of strategies to support hospital physician recommendation's and hospitalbased influenza vaccination programs

Acknowledgments:

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