Publications and Presentations List

“By Topics” List

July 2022

NEW*
IMPACT PUBLICATIONS and PRESENTATIONS
(By topic, with hyperlinks added where applicable)

A. Surveillance - General
B. Vaccine Safety - (Hypotonic- Hypo responsive episodes; Thrombocytopenia; Encephalopathy; Baccille Calmette-Guérin; Seizures; Infantile spasms; Injection site reactions)
C. Vaccine Preventable Diseases - (Haemophilus influenzae; Neisseria meningitides; Pertussis; Streptococcus pneumoniae; Varicella; Zoster; Influenza; Rotavirus; Polio-Acute Flaccid Paralysis surveillance)
D. Other Knowledge Translation Activities - (new section added September 2012)

A. Surveillance – General

Publications:


5. (IMPACT Highlights) Parents who reject immunizations: losing life’s lottery. Paediatrics & Child Health 1999; 4:117


IMPACT (by topic) publications presentations list July 2022
7. (Upshots) Vaccination site reaction or bacterial cellulitis? Paediatric Child Health 2009; 14-4, 245
   http://www.pulsus.com/journals/abstract.jsp?sCurrPg=abstract&jnlKy=5&atlKy=8737&isuKy=848&isArt=t&fromfold


   https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2020.25.25.1900562

Presentations:


3. Scheifele DW and Members of the CPS/LCDC IMPACT Surveillance Network. IMPACT-a pediatric hospital-based active surveillance system for vaccine-associated adverse events. Proceedings of the National Immunization Conference "Immunization in the 90s: Challenges and Solutions", Quebec City, October 7, 1994


6. Sophie Bouchard. Adverse event following immunization active paediatric surveillance: From case identification to reporting. Recent experience in an IMPACT hospital –Poster presentation # 72 at the 12th Canadian Immunization Conference Ottawa, Ontario Wednesday Dec 7, 2016

7. Myriam Maude Verly, Julie A. Bettinger, Nicole Le Saux, Scott A. Halperin, Ben Tan, Manish Saradangani. 14 Years of National Vaccine Surveillance: Analysis of Vaccine-Preventable Disease Outcomes in Canada from 2005-2018. Oral abstract presentation at the Healthy Starts Research day in Vancouver, British Colombia, on February 3, 2021

**B. Vaccine Safety**

**Bacille Calmette-Guérin**

*Publications:*

   [http://journals.lww.com/pidj/Abstract/2005/06000/Serious_Adverse_Events_Associate d_with_Bacille.12.aspx](http://journals.lww.com/pidj/Abstract/2005/06000/Serious_Adverse_Events_Associated_with_Bacille.12.aspx)

*Presentations:*

Encephalopathy

Publications:


Presentations:


4. Jennifer Tam. Review of encephalitis and encephalopathy cases following immunization reported to the Canadian Immunization Monitoring Program ACTive (IMPACT) from 1992-2012 –Poster presentation # 77 at the 12th Canadian Immunization Conference Ottawa, Ontario Wednesday Dec 7, 2016
**Guillain Barré Syndrome**

*Publications*


[http://journals.lww.com/pidj/Abstract/2015/12000/Guillain_Barr__Syndrome_After_Immunization_in.31.aspx](http://journals.lww.com/pidj/Abstract/2015/12000/Guillain_Barr__Syndrome_After_Immunization_in.31.aspx)

*Presentations*


a) 8th International Vaccine and ISV Congress October 26-28, 2014 in Philadelphia, USA

b) 11th Canadian Immunization Conference December 2-4, 2014 in Ottawa, Ontario

**Hypotonic-Hypo responsive episodes**

*Publications:*


[http://pediatrics.aappublications.org/cgi/content/full/112/5/e348](http://pediatrics.aappublications.org/cgi/content/full/112/5/e348)

*Presentations:*


Kawasaki Diseases
Publications:

Presentations:

Infantile Spasms
*Presentations:*

Injection Site Reactions
*Presentations:*

**Intussusception**

*Presentations*

1. L. Sauve, J. Bettinger, D. Scheifele, J. Kalil, W. Vaudry, S. Halperin, N. Le Saux, B. Law, for the members of the Immunization Monitoring Program Active (IMPACT) Immunization Monitoring Program Active Surveillance For Intussusception in Canada Poster presentation at the 7th World Congress for Pediatric Infectious Diseases, November 16-19th, 2011 Melbourne, Australia

**Seizures**

*Publications*


*Presentations:*


**Thrombocytopenia**

**Publications:**

   http://journals.lww.com/pidj/Abstract/2003/02000/Thrombocytopenia_after_immunization_of_Canadian.6.aspx

2. Sauvé, Laura J. MD, MPH; Bettinger, Julie PhD; Scheifele, David MD; Halperin, Scott MD; Vaudry, Wendy MD; Law, Barbara MD; the members of the Canadian Immunization Monitoring Program, and Active (IMPACT). Post Vaccination Thrombocytopenia in Canada. *The Pediatric Infectious Disease Journal; Brief Reports* June 2010; Volume 29: Issue 6, pp 559-561
   http://journals.lww.com/pidj/Abstract/2010/06000/Postvaccination_Thrombocytopenia_in_Canada.19.aspx

**Presentations:**


Adverse Event Other:

Presentations:


C. Vaccine Preventable Diseases

Publications:

*Haemophilus influenzae*


3. Scheifele DW, Gold R, Marchessault V, Duclos P and Members of the CPS/LCDC Immunization Monitoring Program, Active (IMPACT). Missed opportunities to prevent


14. (IMPACT Highlights) *Haemophilus Influenzae* type b disease control using Pentacel®. Paediatrics & Child Health. 2000; 5-3; 155


16. Joanne McNair, BSc Pharm; Alyssa Smith, MD; Julie A. Bettinger, PhD, MPH; Wendy Vaudry, MD; Ben Tan, MD; Shalini Desai, MD, MSc, Scott A. Halperin, MD; Karina A. Top, MD, MS for the Canadian Immunization Monitoring Program Active (IMPACT) Investigators. Invasive *Haemophilus influenzae* type b (Hib) infections in children with cancer in the era of infant Hib immunization programs (1991–2014): A report from the Canadian Immunization Monitoring Program Active. The Pediatric Infectious Disease Journal Published: Volume 37, number 7, July 2018

**Presentations:**


10. The epidemiology of invasive diseases caused by *Haemophilus influenzae* type a (Hia): A report from the Canadian Immunization Monitoring Program ACTive (IMPACT) – Ben

Health 2000, Vancouver, May 30 - June 3, 1995

11. Damon Dhillon, Hana Mitchell, Ben Tan, Joanne Embree, Wendy Vaudry, Anita Li, Raymond Tsang, Shaun K. Morris, Laura Sauvé, Julie A. Bettinger, Scott Halperin, Manish Sadarangani for the members of IMPACT. Haemophilus Influenzae Clinical Features and Outcomes in Children in Canada, 2007 to 2018. 39th Annual Meeting of the European Society for Paediatric Infectious (ESPID), Geneva, Switzerland (virtual), May 24-29, 2021 (abstract 292, Pre-Recorded Oral Presentation and Live Q&A)

Influenza

Publications:


6. Catherine Burton, MD, Wendy Vaudry, MD, Dorothy Moore, MD, Julie A. Bettinger, PhD, MPH, Dat Tran MD, MSc, Scott A. Halperin, MD, and David W. Scheifele, MD, for the IMPACT investigators. Burden of Seasonal Influenza in Children With Neurodevelopmental Conditions. The Pediatric Infectious Disease Journal Volume 33, Number 7, July 2014, 710-714 [http://journals.lww.com/pidj/Abstract/2014/07000/Burden_of_Seasonal_Influenza_in_Children_With.7.aspx](http://journals.lww.com/pidj/Abstract/2014/07000/Burden_of_Seasonal_Influenza_in_Children_With.7.aspx)

7. Dat Tran, Wendy Vaudry, Dorothy Moore, Julie A. Bettinger, Scott A. Halperin, David W. Scheifele, Taj Jadavji, Liza Lee, Teresa Mersereau, for the members of the Canadian Immunization Monitoring Program Active. Hospitalization for Influenza A Versus B *Pediatrics* Sep 2016, 138 (3) e20154643; DOI: 10.1542/peds.2015-4643 [https://pediatrics.aappublications.org/content/pediatrics/138/3/e20154643.full.pdf](https://pediatrics.aappublications.org/content/pediatrics/138/3/e20154643.full.pdf)


Presentations:


5. Wootton S, Vaudry W, Moore D, Scheifele D, Halperin S, Tam T, for IMPACT Investigators. Monitoring Influenza Infections in Children Using a Hospital-Based Surveillance System, Canadian Immunization Monitoring Program Active, and (IMPACT) Poster presentation at the Options for the Control of Influenza VI Conference; 2007; June 17-23; Toronto, ON Abstract P134

6. De Serres G, and the Canadian Immunization Monitoring Program Active. Effectiveness of Trivalent Inactivated Influenza Vaccine to Prevent Hospitalization in Children 6-23 months of Age during Two Influenza Seasons in Canada. Poster presentation at the Options for the Control of Influenza VI Conference; 2007; June 17-23; Toronto, ON. Abstract P723


14. Kayur Mehta, Shaun K. Morris, Julie A. Bettinger, Wendy Vaudry, Taj Jadavji, Scott A. Halperin, Christina Bancej, Manish Sadarangani, Nandini Dendukuri, Jesse Papenburg, for the Canadian Immunization Monitoring Program Active (IMPACT) Investigators. Antiviral use among Canadian children hospitalized for influenza, 2010-2019. E-poster presentation at AMMI Canada-CACMID 2021 Annual Conference, April 25-30, 2021 (virtual conference). Poster presentation at the Pediatric Academic Societies (PAS) 2021 virtual meeting phase 1, on April 30-May 4, 2021. This E-poster was awarded the Canadian Association for Clinical Microbiology and Infectious Diseases (CACMID) Poster Award
Neisseria Meningitidis

Publications:


   http://www.pulsus.com/journals/abstract.jsp?sCurrPg=abstract&jnlKy=3&atlKy=9226&isuKy=891&isArt=t&fromfold

4. Julie A. Bettinger, PhD, David W. Scheifele, MD, Nicole Le Saux, MD, Scott A. Halperin, MD, Wendy Vaudry, MD and Raymond Tsang, PhD, for the Members of the Canadian Immunization Monitoring Program, Active (IMPACT) The Pediatric Infectious Disease Journal Volume 32, Number 1, January 2013, e20–e25. The Disease Burden of Invasive Meningococcal Serogroup B Disease in Canada
   http://journals.lww.com/pidj/Abstract/2013/01000/The_Disease_Burden_of_Invasive_Meningococcal.11.aspx

5. Julie A. Bettinger, PhD, David W. Scheifele, Scott A. Halperin, Wendy Vaudry, Jamie Findlow, Ray Borrow, Duccio Mendini, Raymond Tsang, for the members of the Canadian Immunization Monitoring Program, Active (IMPACT) Diversity of Canadian meningococcal serogroup B isolates and estimated coverage by an investigational meningococcal serogroup B vaccine (4CMenB). Vaccine 32 (2014) 124-130
   http://dx.doi.org/10.1016/j.vaccine.2013.03.063

6. Manish Sadarangani, David W. Scheifele, Scott A. Halperin, Wendy Vaudry, Nicole Le Saux, Raymond Tsang, and Julie A. Bettinger, for the investigators of the Canadian Immunization Monitoring Program, ACTive (IMPACT). The Impact of Meningococcal Serogroup C Conjugate Vaccine in Canada Between 2002 and 2012, Clinical Infectious
   [http://cid.oxfordjournals.org/content/early/2015/01/19/cid.civ028.abstract?keytype=ref&ijkey=JXtuHJbZsXH95Me](http://cid.oxfordjournals.org/content/early/2015/01/19/cid.civ028.abstract?keytype=ref&ijkey=JXtuHJbZsXH95Me)


**Presentations:**


15. Sadarangani, Manish; Halperin, Scott A.; Vaudry, Wendy; Le Saux, Nicole; Tsang, Raymond; Scheifele, David W; Bettinger, Julie A. Outcomes of Invasive Meningococcal Disease in Canadian Children and Adults between 2002 and 2010 E-Poster P008, Presented at the 10th Canadian Immunization Conference, Monday December 3, 2012 Vancouver BC.

16. Bettinger, Julie A.; Scheifele, David W.; Halperin, Scott A.; Le Saux, Nicole; Vaudry, Wendy; Findlow, Jamie; Borrow, Ray; Medini, Duccio; Tsang, Raymond. Estimated Coverage of Canadian Meningococcal Serogroup B Isolates by an Investigational Meningococcal Serogroup B Vaccine (4CMenB). E-Poster P009, Presented at the 10th Canadian Immunization Conference, December 3, 2012 Vancouver BC.

17. Sadarangani, Manish; Halperin, Scott A; Vaudry, Wendy; Le Saux, Nicole; Tsang, Raymond; Scheifele, David W.; Bettinger, Julie A. A Decade of Serogroup C Neisseria Meningitidis Surveillance in Canada Poster P156, Presented at the 10th Canadian Immunization Conference, December 3-5, 2012 Vancouver BC.


b) Poster presentation # 18 at the 12th Canadian Immunization Conference Ottawa, Ontario Wednesday Dec 7, 2016


22. Nicole Le Saux, Julie A. Bettinger, Manish Sadarangani, Shaun K. Morris, Karina A. Top, Wendy Vaudry, Scott A. Halperin and Raymond Tsang on behalf of the members of the Canadian Immunization Monitoring Program, Active (IMPACT). The Epidemiology of Invasive Meningococcal Disease (IMD) over 16 years after start of Meningococcal Vaccine Programs in Canada. Oral abstract presentation at the Canadian Immunization Conference, Ottawa, Ontario, December 4, 2018

**Pertussis**

*Publications:*


   [http://www.journals.uchicago.edu/doi/pdf/10.1086/514792](http://www.journals.uchicago.edu/doi/pdf/10.1086/514792)


Presentations:


Polio – Acute Flaccid Paralysis Surveillance

Presentations:


Respiratory Syncytial Virus

Presentations:
1. Simran Sandhu, Amanda Shane, Christina Bancej, Wendy Vaudry, Joanne Embree, April Killikelly, Matthew Tunis, Althea House, Julie Bettinger, Nicole Le Saux, Joanne Langley, Marc Lebel, Dorothy Moore, Shaun Morris, Jesse Papenburg, Joan Robinson,
Manish Sadaranagi, Dorothy Moore, Taj Jadaevji, Dat Tran, Scott Halperin on behalf of the Public Health Agency of Canada and the Canadian Immunization Monitoring Program ACTive. The Epidemiology of Respiratory Syncytial Virus (RSV) Amongst the Hospitalized Paediatric Population in Canada, 2017-2018. Poster presentation at the 5th International Neonatal and Maternal Immunization Symposium (INMIS) in Vancouver, British Colombia, on September 15-17, 2019

Rotavirus

Publications:

   [http://journals.lww.com/pidj/Abstract/publishahead/Substantial_Morbidity_for_Hospitalized_Children.99295.aspx](http://journals.lww.com/pidj/Abstract/publishahead/Substantial_Morbidity_for_Hospitalized_Children.99295.aspx)

2. JA Bettinger, K Wills, N Le Saux, DW Scheifele, SA Halperin, W Vaudry for members of the Canadian Immunization Monitoring Program Active (IMPACT). Heterogeneity of rotavirus testing and admitting practices for gastroenteritis among 12 tertiary care pediatric hospitals: Implications for surveillance. The Canadian Journal of Infectious Diseases and Medical Microbiology, 2011; 22(1):15-18  
   [http://www.pulsus.com/journals/abstract.jsp?sCurrPg=abstract&jnlKy=3&atlKy=10006&isuKy=969&isArt=t&fromfold](http://www.pulsus.com/journals/abstract.jsp?sCurrPg=abstract&jnlKy=3&atlKy=10006&isuKy=969&isArt=t&fromfold)

   [http://bji.sagepub.com/content/early/2011/03/30/1757177411402409.abstract](http://bji.sagepub.com/content/early/2011/03/30/1757177411402409.abstract)

4. Le Saux, Nicole MD; Bettinger, Julie PhD; Déry, Pierre MD; Embree, Joanne MD; Vaudry, Wendy MD; Halperin, Scott A. MD; McDermid, Andrew BSc; Booth, Timothy F. PhD; Coyle, Doug PhD The Hidden Costs and Characteristics of Childhood Emergency Visits in Canada. The Pediatric Infectious Disease Journal, Volume 31 Issue 2 February 2012 pp 159-163  

5. Doug Coyle MA MSc PhD, Kathryn Coyle BSc Pharm MSc, Julie A Bettinger MPH PhD, Scott A Halperin MC FRCPC, Wendy Vaudry MD FRCPC, David W Scheifele MD FRCP, Nicole Le Saux MD FRCP. Cost Effectiveness of infant vaccination for rotavirus in Canada. Canadian Journal of Infectious Diseases and Medical Microbiology 2012; 23(2):71-77

Presentations:


**Streptococcus Pneumoniae**

*Publications:*


   http://www.phac-aspc.gc.ca/publicat/ccdr-rmtc/00vol26/dr2618ea.html

   http://www.pulsus.com/journals/abstract.jsp?scCurPg=abstract&jnlKy=3&atlKy=4876&isuKy=683&isArt=t&fromfold=

   http://jcm.asm.org/cgi/content/full/40/1/68

   http://journals.lww.com/pidj/Abstract/2002/10000/Outcome_of_penicillin_nonsusceptible_Streptococcus.4.aspx


http://www.sciencedirect.com/science/article/B6TD4-4Y1VXG4-2/2/389e2db874e001bc95b35cb5209b3746


Presentations:


18. JA Bettinger, DW Scheifele, J Kellner, SA Halperin, W Vaudry, H Deehan, G Tyrell for the Canadian Immunization Monitoring Program Active. Pneumococcal Vaccine Failures and


20. Joanne McNair. Impact of conjugate vaccines on *Haemophilus influenzae* type b (Hib) and *Streptococcus pneumoniae* in children with cancer: A report from the Canadian Immunization Monitoring Program Active (IMPACT) Poster presentation # 40 at the 12th Canadian Immunization Conference Ottawa, Ontario Wednesday Dec 7, 2016


25. James E. A. Zlosnik, Julie A. Bettinger, Walter Demczuk, Corey Nislow, Scott A. Halperin, Wendy Vaudry, Otto G. Vanderkooi, Irene Martin, Gregory J. Tyrrell, James D. Kellner, Manish Sadarangani, for the members of IMPACT. Whole genome sequencing of *Streptococcus pneumoniae* from children with pneumonia in Canada between 1991 and 2016 from the Canadian Immunization Monitoring Program ACTive (IMPACT). 39th Annual Meeting of the European Society for Paediatric Infectious Diseases (ESPID), Geneva, Switzerland (online), May 24-29, 2021 (Abstract #441, Pre-Recorded Oral Presentation and Live Q&A)


**Varicella**

**Publications:**

   [http://pediatrics.aappublications.org/cgi/content/abstract/104/1/1](http://pediatrics.aappublications.org/cgi/content/abstract/104/1/1)

   [http://pediatrics.aappublications.org/cgi/content/abstract/104/1/7](http://pediatrics.aappublications.org/cgi/content/abstract/104/1/7)


   [http://journals.lww.com/pidj/Abstract/2000/11000/The_Immunization_Monitoring_Program_Active.5.aspx](http://journals.lww.com/pidj/Abstract/2000/11000/The_Immunization_Monitoring_Program_Active.5.aspx)

   [http://www.pulsus.com/journals/abstract.jsp?sCurrPg=abstract&jnlKy=5&atlKy=7082&isuKy=457&isArt=t&fromfold=](http://www.pulsus.com/journals/abstract.jsp?sCurrPg=abstract&jnlKy=5&atlKy=7082&isuKy=457&isArt=t&fromfold=)

   [http://journals.lww.com/pidj/Abstract/2012/09000/The_Effect_of_Funded_Varicella_ Immunization.23.aspx](http://journals.lww.com/pidj/Abstract/2012/09000/The_Effect_of_Funded_Varicella_Immunization.23.aspx)
Presentations:

2. Law BJ, Scheifele DW and Members of the CPS/LCDC Immunization Monitoring Program, Active (IMPACT). Impact of varicella zoster immune globulin on hospital course of chickenpox among immunocompromised children. 35th ICAAC, San Francisco, September, 1995 (Abstract # H141)


8. Ben Tan, Julie Bettinger, Athena McConnell, Roseline Thibeault, Taj Jadavij, Francesca Reyes Domingo, Heather Samson, Alberto Severini, Wendy Vaudry, Scott Halperin, for the members of IMPACT, Surveillance and Epidemiology Division, National Microbiology Laboratory, Varicella hospitalizations in IMPACT (Immunization Monitoring Program,
Active) centers after introduction of 1- and 2-dose varicella vaccination programs between 2000 and 2015. Poster presentation at the 95th Canadian Paediatric Society Annual Conference, May 30-June 2, 2018, Quebec City, Quebec. Oral abstract presentation at the Canadian Immunization Conference, Ottawa, Ontario, December 4, 2018

Zoster

Publications:
   [http://journals.lww.com/pidj/Abstract/2008/02000/The_Epidemiology_of_Children_Hospitalized_With.4.aspx](http://journals.lww.com/pidj/Abstract/2008/02000/The_Epidemiology_of_Children_Hospitalized_With.4.aspx)

Presentations:
1. Wootton S, Law B, Tan B, Scheifele D. The Epidemiology of herpes Zoster Among Children Hospitalized In Canadian Immunization Monitoring Program Active (IMPACT) Centers. Poster presentation # 112 at the 83rd Annual Conference of the Canadian Paediatric Society, June 15, 2006, St. John’s, NL. (Judged best Fellows’ poster

D. Other Knowledge Translation activities
This new section, added in September 2012, will include activities that are notable contributions to the greater good. There have been many KT activities in the past but only 2012 onwards will be added.

- **Lecturing and Coaching:**
  June 2012: A plenary lecture was given by Dr. David Scheifele at the 13th National Immunization Conference in Darwin, Australia. “Canada’s Immunization Monitoring Program, Active (IMPACT): Looking back, looking forward”. This lecture invitation then enabled “coaching” with the faculty of the PAEDS surveillance network (Australia’s IMPACT equivalent).

- **Federal/Provincial/Territorial Information sharing:**
  Quebec Provincial Advisory committee - provided a summary of the Quebec IMPACT influenza surveillance from 2009-2012 including fatalities.

- **International Information sharing:**
  FDA requested some copies of already presented abstracts and posters with respect to surveillance of meningococcal invasive infections.
• **Liaison with other networks:**
  A new liaison member of ISARIC - *International Severe Acute Respiratory Infection Consortium*. ISARIC is a multi-regional collaboration of research networks with a focus on Investigator-led clinical studies in adults and children. ISARIC’s mission is both to conduct world-class clinical research in the inter-pandemic influenza period and to provide a collaborative platform through which clinical studies could be undertaken rapidly in response to the emergence of a novel respiratory pathogen or other new infectious disease outbreak. [http://isaric.tghn.org/about/](http://isaric.tghn.org/about/)

• Collaborated with the PRIDE (Post-pandemic Review of anti-Influenza Drug Effectiveness) study group which is conducting a patient-level global meta-analysis on the effectiveness of antiviral use on outcomes of public health importance during the 2009/10 (swine) influenza A/H1N1v. [http://www.nottingham.ac.uk/research/groups/healthprotection/projects/pride.aspx](http://www.nottingham.ac.uk/research/groups/healthprotection/projects/pride.aspx)

• IMPACT collaborates with Global Research in Paediatrics Project (GRiP), funded by the European commission. The aim of GRiP is to stimulate and facilitate the development of and safe use of medicines and vaccines in children. Databases are not linked but non-nominal data common to multiple databases are extracted and merged. S. Halperin participated on behalf of IMPACT. [http://www.grip-network.org/index.php/cms/en/home](http://www.grip-network.org/index.php/cms/en/home)

• IMPACT collaborates with the Brighton Collaboration as part of Canada’s national AEFI reporting system. [https://brightoncollaboration.org/public](https://brightoncollaboration.org/public)

• Acknowledged by Paul Adamiak et al. *Effectiveness of the standard and an alternative set of Streptococcus pneumonia multi locus sequence typing primers* BMC Microbiology 2014, 14:143 [http://www.biomedcentral.com/1471-2180/14/143](http://www.biomedcentral.com/1471-2180/14/143)


• Data requests from PHAC epidemiologists for updating sections of the Canadian Immunization Guide

• *(Upshots)* How best to describe the risk of meningococcal B infection? Paediatric Child Health 2013; 18-10; 543

• Acknowledged by Thoon et al. *Active surveillance of adverse events following childhood immunization in Singapore* **Vaccine 32 (2014) 5000-5005** (Page 5001: “The hospital-based active surveillance program was loosely adapted from the Canadian Immunization Monitoring Programme, Active (IMPACT).”)
www.sciencedirect.com/science/article/pii/S0264410X14009463

• Hospital Pediatric Resident Research day presentations on various IMPACT data: Sick kids – Toronto 2014; Stollery- Edmonton 2014 : Wendy Vaudry on previously published data -PIDJ Volume 33, Number 7, July 2014, 710-714; at the University of Alberta, Department of Pediatrics Research day; May 30, 2014 *Burden of Seasonal Influenza in Children With Neurodevelopmental Conditions*

• Influenza Surveillance Expert Working Group (SEWG) December 9, 2015 – Julie Bettinger

• CIRN/CCfV Research Education Series IMPACT presentation on May 8, 2015 and January 8, 2016: Heather Samson

• Dr. Karina Top. Canadian Immunization Monitoring Program, Active (IMPACT): 25 years of surveillance presented at the 10th Anniversary Showcase of PAEDS – Paediatric Active Enhanced Disease Surveillance, Melbourne Australia July 26, 2017

• Dr. Nicole Le Saux. IMPACT: A Model of Active Surveillance presented at the Vaccine Sciences Symposium, Toronto Ontario November 15, 2017

• Dr Julie Bettinger presented “Overview of IMPACT and IMPACT’s Influenza Surveillance” at the National Centre for Immunisation Research and Surveillance, April 23, 2018, Sydney, Australia

• Dr Scott Halperin. Overview of IMPACT, Canada’s Immunization Monitoring Program ACTive, presented to the Canadian Immunization Registries network on September 25, 2018

• Dr Wendy Vaudry: “The Immunization Monitoring Program, Active: The IMPACT of a generation of surveillance in Canada” presented at the University of Alberta Infectious Diseases academic rounds, November 2018, Edmonton, Alberta

• Dr Wendy Vaudry: IMPACT presented in the Department of Pediatrics Working Wonders annual review, April 2019, Edmonton, Alberta. https://issuu.com/ualbertadepartmentofpediatrics/docs/ww_prepress_2up/26

• Dr. Karina Top and Dr. Julie Bettinger presented at Centre for Vaccine Preventable Diseases, University of Toronto. “COVID-19 Vaccine Safety Surveillance in Canada.” (Virtual). February 8, 2021.