You’re kidding, right? Patients to help with antimicrobial resistance?

December 8, 2016
Theresa Malloy Miller

Moderator

Member Patients for Patient Safety Canada
Background, Objectives

“A serious infection that cannot be overcome is one of the scariest things that can happen. It’s a terrible feeling of being out of control.”

- **Background**
  - Resistance to antibiotics is normal
  - The way we use drugs contributes to the current situation: can’t treat common infections and minor injuries
  - Organizations are taking action
- **Webinar objective - practical idea on what patients can do:**
  - Findings from a recently published article
  - Successful approaches - at all system levels
  - Available resources
Definitions

**Antimicrobial** - drugs used to treat infections (e.g. antibiotics, anti-fungals, anti-virals, disinfectants)

**Antimicrobial resistance** - microbes not destroyed by antimicrobial drugs

**Antimicrobial stewardship** - actions that conserve AM

**Patient advisors** - help shape healthcare, patient voice

**Engagement** - our involvement and participation in health
Program Overview

Welcome, introductions

Findings from article – perspective of Canadian patient advisors

Q&A with 2 speakers and special guests

Patient engagement at global levels

Patient engagement in Uganda

Q&A with 2 speakers and special guests

Closing, evaluation, next steps
Special Guests
Warren McIsaac

Mount Sinai Family Health Team
• Dr. McIsaac is a Staff Physician at the Mount Sinai Family Health Team and is the Research Director of the Granovsky Gluskin Family Medicine Centre.

• Dr. McIsaac completed his medical degree at the University of Western Ontario and subsequently completed a Masters of Epidemiology at the University of Toronto. His research interests include the use of antibiotics in primary care and how it relates to antibiotics resistance, and the use of clinical decision aids to improve clinical decision making in Family Medicine.
Jeanine Thomas

President/ Founder of MRSA Survivors Network,
National Spokesperson for MRSA, MRSA Expert and Consultant
Ms. Jeanine Thomas

- Founded MRSA Survivors Network (MSN) in early 2003 due to having been critically ill with a MRSA infection, sepsis and C. difficile. MSN gives support to MRSA patients and their families along with raising awareness and educating the public and healthcare community. Also founded World MRSA Day and World MRSA Awareness Month (both officially designated by legislation).
Dr Greg German

Greg German MD PhD FRCPC
P.E.I. Medical Microbiologist and Infectious Diseases Consultant

Photo: Courtesy of Matt Rainnie @Islandmorning
Dr Greg German

- Medical Lead of Antibiotic Stewardship for P.E.I.
- Lead coordinator of #urinematters #coughmatters, and #antibioiticmatters Community Health Outreach events and Canadian #Saveantibioticsbecause Photo contest
- Guidelines on www.healthpei.ca/micro
- Twitter for Islander’s Antibiotic Stories
- Co-Chair of Canadian Public Health Laboratories Antimicrobial resistance group
- Chair of Canadian Health Care Associated Surveillance program (CNISP) Antibiogram group
- Member of Association of Medical Microbiology and Infectious Diseases (AMMI) Canada Antimicrobial Stewardship and Resistance Committee
Kim Neudorf

Patient Champion – Patients for Patient Safety Canada
Kim Neudorf BSN, MEd

• Kim has been a member of Patients for Patient Safety Canada since 2009. She became a Patient for Patient Safety Champion with the Canadian Patient Safety Institute and the WHO, after her mother was harmed by the healthcare system. She believes in the importance of the patient voice to help shape safer healthcare systems and is interested in seeing the highest standard of care practiced.

• Kim has published and presented papers that focus on patient safety, and co-presented with her mother on several occasions. Together they have shared ‘Pearls of Wisdom’ (Pearl is her mother’s name) derived from their hospital experience. She volunteers as a patient representative with the Canadian Patient Safety Institute’s Integrated Patient Safety Strategy focusing on Infection Prevention and Control, and is a public/patient representative of the Antibacterial Stewardship Canada’s Steering Committee.
Engaging Patients in Antimicrobial Resistance and Stewardship

Kim Neudorf
December 8, 2016

http://dx.doi.org/10.1108/IJHG-02-2016-0008
“Antimicrobial resistance is a danger of the utmost urgency. This year will be a pivotal one…We have a global action plan. What we need now is the action”

1. Margaret Chan, WHO Director-General addresses the Executive Board at its 138th Session Geneva, Switzerland, January 25, 2016
Goals

• Introduce antimicrobial resistance, stewardship

• Share survey results of patient advisors in Canada

• Engage in the stewardship of antimicrobial drugs
  - Personal action
  - Larger scale action
## Current Situation

### Organisms—First Order of Priority for Surveillance in Canada

<table>
<thead>
<tr>
<th>Organism</th>
<th>Organism</th>
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<tbody>
<tr>
<td>Clostridium difficile</td>
<td>Neisseria gonorrhoeae</td>
</tr>
<tr>
<td>Extended-spectrum β-lactamase (ESBL)</td>
<td>Streptococcus pyogenes and pneumoniae</td>
</tr>
<tr>
<td>Carbapenem-resistant organisms</td>
<td>Salmonella spp.</td>
</tr>
<tr>
<td>Enterococcus spp.</td>
<td>Staphylococcus aureus</td>
</tr>
<tr>
<td>Mycobacterium tuberculosis</td>
<td>Campylobacter spp.</td>
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2. Canadian Antimicrobial Resistance Surveillance System Report 2016 Public Health Agency of Canada
3. Antimicrobial Resistance in G7 Countries and Beyond: OECD 2015
Purpose: Understand patient advisors’ viewpoints of AMR and AMS

Method: literature scan + online survey of patient advisors

Respondents: n=72, invited from patient advisory networks across Canada, 53% had university degrees, 47% were between the ages of 45-64.
We Are Concerned

97% AMR is a serious + growing public health threat

• We don't want to get infected or infect others
• Inconsistent practices and wonder why?
• Inconsistent information

“As a parent and grandparent I am constantly concerned about this, and how to treat and care for them with less resources and so much uncertainty around what is best.”
Push and Pull of Antibiotics

Patient demand antibiotics and expect quick cure

Physician push prescriptions to reduce uncertainty and save time

Canada most prescriptions
- Children 0-9 years for ear infections
- Elderly for UTI

"As a parent, I'm not entirely sure…. we are 'demanding' antibiotics! …Pay attention to what the parent is really saying, it may be, 'We want a confirmed diagnosis' or 'We want permission to give our child Tylenol every 4 hours without feeling like we're bad parents.'"
We Can Help

• 92% believe AMS is a shared responsibility

• We contribute to other patient safety initiatives with impact

• Only 19% were aware of initiatives co-designed with patients

“I have been asked by my local hospital to speak to new hires about my story with hospital acquired infection (MRSA). I have done this several times with good feedback.”
We Can be Partners in Care

- Most of us want to play a role in our own care

- **Patient Barriers**: lack of knowledge (health literacy), confidence, co-morbidities, socio-demographics.

- **Provider Barriers**: want to maintain control, lack of time, personal beliefs, minimal training in PFCC.

“We want to be informed and not treated in a way that paternalistically assumes 'it’s better not to worry the patient or family.' I want to be empowered with the knowledge of what I can do to prevent transmission.”

How to Engage Us in AMS

• 95% value 1:1 conversations at the point of care

• Campaigns must reach the public to be useful

• One main message, extended over time, with diverse media (poster, written, video, social, information prescription, patient stories)

• Initiatives that engage both patients + providers

We Best Understand When

• we have questions
• we are healthy
• we need care

Across the care trajectory
Who Can Best Influence Us

- Care providers (93%)
- Peers (family, friends, patient groups) (82%)
- Experts
What We Want to Learn

• What to expect during the course of a common viral illness and recovery times
• How to prevent the spread of microbes
• How to take antimicrobials correctly
• How to remain healthy while receiving healthcare
• How serious AMR is - the facts
Engage Patients as Partners

Patient Advisors can partner in the:

• Education of the public, health professionals
• Co-design of resources, policies, improvement initiatives, research
• Co-design, participate in public campaigns

Leaders play a role in:

• Establishing the culture for patient engagement, the environment, and the resources
What Patients Can Do (1)

Personal level

- talk to your provider,
- ask questions about the necessity of the drug,
- learn how to recognize and manage common viral illnesses,
- don’t demand antibiotics,
- use antimicrobials as prescribed,
- never share these drugs,
- prevent infections (handle food properly, have safer sex, never share needles or paraphernalia, HIV testing, handwashing, vaccinations),
- dispose appropriately,
- talk to family and friends.
What Patients Can Do (2)

Provincial and local level:
- Patient Advisory Councils
- Professional Colleges and Associations have public representatives

National level:
- National Patient Safety Consortium
- AMS Canada Steering Committee
- HealthCareCAN

Global level:
- World Health Organization
Acknowledgements:

Co-authors: Ioana Popescu and Sandi Kossey of CPSI.

Patient Resources

- 5 Questions to Ask Before taking Antibiotics
- ISMP 5 Questions  https://www.ismp-canada.org/medrec/5questions.htm
- CDC Protecting Yourself and Family
  http://www.cdc.gov/drugresistance/protecting_yourself_family.html
- Get Smart Know When Antibiotics Work
  http://www.cdc.gov/getsmart/community/index.html
More Resources

- Canadian Pediatric Society Colds http://www.caringforkids.cps.ca/handouts/colds_in_children
- WHO AMR http://www.who.int/mediacentre/factsheets/fs194/en/
- AMMI Various https://www.ammi.ca/?ID=125
- Choosing Wisely Canada http://www.choosingwiselycanada.org/materials/treating-sinusitis-dont-rush-to-antibiotics/
- Antibiotic Wise General http://antibioticwise.ca/
- ABCs of Antibiotics http://professionals.site.apic.org/files/2013/10/AntibioticInfographic14-FINAL.pdf
- CDC Sepsis Fact Sheet http://www.cdc.gov/sepsis/basic/
- HIV Awareness http://www.catie.ca/
Thankyou!

kimneu@shaw.ca
Discussion
Garance Fannie Upham

Deputy General Secretary, ACdeBMR / WAAAR
World Alliance Against Antibiotic Resistance
Garance Upham

- Deputy General Secretary, ACdeBMR / WAAAR World Alliance Against Antibiotic Resistance Editor, "AMR Control 2015" and AMR Control 2016; Chief Editor, AMR-Times email news service (English/ français/ Arabic) [www.waaar.org](http://www.waaar.org); Treasurer, Geneval Global Health Hub, [http://g2h2.org](http://g2h2.org)

- Garance, economist, had 85% paralysis from vaccine-induced polio in childhood from the first experimental vaccine. With support from family and care providers she was able to have a successful life.

- Since the 80s she got involved infection prevention and control in Africa (AIDS, TB) and became a Patient Champion in 2004 and served for 10 years in the WHO’s PFPS Steering Committee supporting the development of country branches. Since 2011 she narrowed her focus to antimicrobial resistance and worked at global level on initiatives of WHO, UN, WAAAR, USAID providing education, contributing to publications, meetings, campaigns, and so much more.
Robinah Kaitiritimba

Uganda National Health Consumers' Organisation
Robinah Kaitiritimba

Robinah is the Executive Director of UNHCO, she has vast experience in the right to health and the Rights Based Approach (RBA) in Uganda and has worked in the health sector for over 15 years. She is a WHO patient safety champion, a member of institutional review boards of Makerere University School of Public Health and Uganda National Council for Science and Technology. She represents civil society at the highest policy and decision making organ in the health sector – Health Policy Advisory Committee (HPAC). She is a member of various boards of organisations focused on the right to health. Robinah is skilled in Right to Health policy advocacy, Community Participation and Social Accountability with trainings supported by WHO and World Bank. She is a trainer under the global social accountability network – Communities of Practitioners in Social Accountability for Health (COPASAH). She has led studies funded by the World Bank and European Union. She Holds a Masters degree in Public Administration and Management and Bachelors in Social Sciences with a series of international trainings.
Discussion
Resources

• World Antibiotic Awareness Week (2016) – Real life stories of antimicrobial resistance
• TED talk – Maryn McKenna (2015): what do we do when antibiotics don’t work anymore
• TED-Ed – Kevin Wu (2014): what causes antibiotic resistance
• World Health Organization (2016): recommendations to stop surgical infections and avoid superbugs:
• Government of Canada – About Antibiotic resistance
• AMMI Canada (2016) - Symptom-Free Pee: LET IT BE; Asymptomatic Bacteriuria in Long-Term Care Residents (Toolkit)
• Canadian Patient Safety Institute - antimicrobial resistance and resources for the public for safe care
• Public Health England (2015) - patient safety alert with links to references, tools and resources
Wrap up, Evaluation, Next Steps

Theresa Malloy-Miller
December 13, 2016
10:00 am MT/ 12:00pm ET

How did they partner with patients for safety? A webinar with the Patient Safety Champion Awards Finalists

• Spaces are limited so don't wait to register for this free webinar.
• Register Now
• (Available in English only)