Engaging Patients in Antimicrobial Resistance and Stewardship

Kim Neudorf
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“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>Clostridium difficile</th>
<th>Neisseria gonorrhoeae</th>
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</thead>
<tbody>
<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>
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<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
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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
• CDC gonorrhea http://www.cdc.gov/drugresistance/solutions-initiative/drug-resistant-gonorrhea.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
- APIC Infection Prevention in Hospital
- CDC Sepsis Fact Sheet http://www.cdc.gov/sepsis/basic/
- HIV Awareness http://www.catie.ca/