Objectives

• Highlight several of the current trending topics and challenges in IPAC
#1 Hand washing

- Considered a cornerstone of IPAC
- Challenge is to increase HH rates
- Currently all 4 RHAs involved in auditing
- Development of a Standardized approach
- Public reporting at Provincial level slated for the spring
- Auditing to start in Acute Care and roll out to LTC and Community
# 2 Surveillance

- What are we conducting surveillance on?
- Notifiable diseases, HAIs, HH, AROs
- What will we be doing in the future?
- Will be guided by hospital harm indicators
- Transparency in reporting
# 3 AROs

- We all know about MRSA, VRE, CRE, C. diff but ...what other ones should we be concerned about?
- Drug resistant N. gonorrhoea
- Drug resistant TB

In NL we currently have a TB outbreak as well as an outbreak of Syphilis – neither are drug resistant
# AROs

- Malaria
- HIV
- Antiviral drugs for Influenza
# AROs

- Who does it affect?
- Everyone!
- Procedures such as organ transplantation, cancer chemotherapy, diabetes management and major surgery (example, C-sections or hip replacements) become very high risk
- Antibiotic resistance is present in every country and is a Global concern
# 4 Antibiotic stewardship

- In 2014 23 Million Rx were given in Canada – cost $786 Million
- 93% were given to outpatients – most were not needed
# 4 Antibiotic stewardship

Usage in NL

NL has 33% greater usage of antibiotics than the next
Antibiotic stewardship

- Choosing wisely NL campaign
- Carrot rewards
- https://youtu.be/l51w13SJsXI
# 5 Increasing Influenza Vaccine Uptake in HCWs

• Last 5 years NL rate

<table>
<thead>
<tr>
<th>Year</th>
<th>Eastern*</th>
<th>Central</th>
<th>Western</th>
<th>Labrador-Grenfell</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>35</td>
<td>62</td>
<td>46</td>
<td>44</td>
</tr>
<tr>
<td>2011-2012</td>
<td>31</td>
<td>52</td>
<td>50</td>
<td>32</td>
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<td>2012-2013</td>
<td>36</td>
<td>58</td>
<td>52</td>
<td>34</td>
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<tr>
<td>2013-2014</td>
<td>39</td>
<td>55</td>
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<td>35</td>
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<tr>
<td>2014-2015</td>
<td>39</td>
<td>50</td>
<td>57</td>
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</tr>
<tr>
<td>2015-2016</td>
<td>40</td>
<td>50</td>
<td>54</td>
<td>47</td>
</tr>
</tbody>
</table>

• There is a task group working to improve this
• Not just and employee safety issue but a patient safety issue
Emerging infectious disease

• An infectious disease that is newly recognized as occurring in humans; one that has been recognized before but is newly appearing in a different population or geographic area than previously affected; one that is newly affecting many more individuals; and/or one that has developed new attributes (e.g., resistance or virulence).²
Selected Emerging Infectious Diseases Since 1975

<table>
<thead>
<tr>
<th>Emerging Disease</th>
<th>Year Identified</th>
<th>Estimated Global Impact</th>
<th>Cases</th>
<th>Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ebola Virus Disease</td>
<td>1976</td>
<td>19,568</td>
<td>7,653</td>
<td></td>
</tr>
<tr>
<td>HIV/AIDS</td>
<td>1981</td>
<td>78 million</td>
<td>39 million</td>
<td></td>
</tr>
<tr>
<td>H5N1 (bird flu)</td>
<td>1997</td>
<td>668*</td>
<td>393*</td>
<td></td>
</tr>
<tr>
<td>SARS</td>
<td>2003</td>
<td>8096</td>
<td>774</td>
<td></td>
</tr>
<tr>
<td>H1N1</td>
<td>2009</td>
<td>Unknown</td>
<td>&gt;284,500</td>
<td></td>
</tr>
<tr>
<td>MERS</td>
<td>2012</td>
<td>699</td>
<td>209</td>
<td></td>
</tr>
</tbody>
</table>

- Cases and deaths reflect the cumulative number of cases and deaths (as of October 17, 2014).
- * indicates cumulative cases and deaths from 2003 to present.
# 6 Emerging diseases

Recently:

- MERs-CoV, Ebola Chikungunya, Zika
- Challenge:
  - To maintain a level of preparedness
  - Strengthen surveillance and co-operation
# 7 Aging infrastructure

- With aging infrastructure, prioritizing maintenance and repair projects with a patient safety lens can be difficult to quantify.
- Deferred maintenance is on the rise and many healthcare organizations find they are only able to address high priority projects.
- IPAC, Facility Maintenance and Planning need to work together.
# 8 Competition for finances

- Competing with High Profile programs
- The benefits of IPAC are not obvious
- Preventing HAI and Maintaining community Health – Priceless
Thank you

• IPAC remains a multifaceted challenging profession
• Professional development is essential to meet the challenges
• Integral part or patient safety