

Klachkova, Anastasiya (CSC/SCC)

From: Bhalla Alka (NHQ-AC)
Sent: February 1, 2021 9:27 AM
To: Boudreau Harold (NHQ-AC); Worthington Dr. James (NHQ-AC); Clement Chris (NHQ-AC); Jarrett Jane (ONT)
Cc: Guirguis Bassem (NHQ-AC); GEN-NHQ Pharmacy
Subject: Consultation Findings, Reference Document, and Project Update - AMR Network Organization

Good morning,

The focus/purpose of the summary document accessible below is to explore the various aspects of how an antimicrobial resistance network should be organized – at a national level. If you have any additional/further comments, please do not hesitate to forward them to [REDACTED]

Moving forward, as the creation/organization of the AMR network, I thought I'd have a look at the Global Action Plan produced by the WHO. It identifies 5 areas of essential global collective action to address antimicrobial resistance (Ref.: <https://www.who.int/antimicrobial-resistance/global-action-plan/en/>) for which CSC already has elements in place (not comprehensive) :

- Effective antimicrobial surveillance
 - o CSC's HARS report: Vaccine Administration Summary
 - o OHIS-EMR: To include condition of use at the point-of-prescribing
 - Appropriate use of antibiotics relies upon the availability of data on resistance (how does CSC monitor this? Re: TB, MRSA, viral hepatitis) and data on the use of antimicrobial agents (point-of-prescribing for antibiotics in the current empiric guidelines)
- Better infection and control (IPC) measures
 - o Infection Prevention and Control Guidelines
- Global awareness campaigns
 - o Participation in World Antibiotic Awareness Week (yearly)
- Promoting responsible use through stewardship
 - o Fostering access and appropriate use in CSC
 - Empiric Antibiotic Guidelines and Intravenous to Oral Antibiotic Protocol (February 2020) (empiric first and second choices antibiotics for treatment of the 4 most common infectious syndromes)
 - o OHIS-EMR: Update of the Drug Allergy module to appreciate true penicillin allergies
- Innovation for successful containment of antimicrobial resistance emergence and spread, including through development of novel antimicrobial drugs
 - o Role of innovators/Health Canada

The ASWG has proposed a dashboard with the following elements that can be disseminated to the end user at the frontlines of care which would evolve with type of data collected, how it is collected, analysis of data, interventions and then cycle is repeated (comments welcome):

1. Total number of antibiotic prescriptions (Limitation: QC data will not be included as full implementation of medication module has been delayed)
 - a. Per capita
 - b. Broken down by Region
 - c. Broken down by Institution

2. List of top 10 most common antibiotics
 - a. Regionally
 - b. Nationally
 - c. Age group < 65 years, those 65 years AND older
3. Regional distribution of % of antibiotics prescribed (more like top 10 antibiotics with proportions regionally)
4. % of total population regionally compared to % total antibiotic prescriptions per region (e.g., PRA may have 28% of the population of patients; however % antibiotics scrips may be 50%).

Perhaps as the infrastructure is set in place, these are the types of data points that can be shared into the AMR national plan in the future.

Thoughts for now.
Much appreciated,
Alka

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From: noreply@salesforce.com <noreply@salesforce.com> **On Behalf Of** [REDACTED]
Sent: January 29, 2021 4:35 PM
To: Bhalla Alka (NHQ-AC) <Alka.Bhalla@CSC-SCC.GC.CA>
Subject: Consultation Findings, Reference Document, and Project Update

Dear Alka,

We're pleased to share with you a summary of our findings about potential network model options from the consultations conducted throughout November and December of 2020 with Canada's broader AMR community. This report distills the input, observations, advice, and concerns of participants into 15 key findings. Read the summary document [here](#).

As well, we have spent the early part of 2021 scanning Canada and the world for relevant case studies, a process through which we have gleaned a number of insights that are perhaps applicable to our network design. We have catalogued this work for others to peruse [here](#). Please note that this scan is simply a high-level overview serving as a reference document — it is not intended to be a systematic or fully comprehensive review.

Leveraging the findings from our consultations and research to date, we are working toward delivering our final network recommendations by March 31, 2021. In the meantime, we encourage you to direct any comments or feedback to amrnetwork.ca/contact or to connect with the project team directly.

Thank you!
The Project Team



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