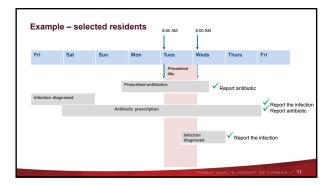
Public Health Agency of Canada publique du Canada		Canadä		
2019 Point Preva	alence Survey in Canadian Long T	erm Care Facilities		
IP/	AC Canada and IFIC 2019 Conjoint Conference			
Public Health Agency of Ca	Diseases and Infection Control mada provided the control of the co			
Overview of this se	ession			
Context and scope of the Methods and data collec Implementation Preliminary results Using the results in LTC	tion			
	PUBLIC HEALT	H AGENCY OF CANADA > 2		
Context				
Public Health Agency of Canada National surveillance systems on antimicrobial resistance (AMT) and antimicrobial use (AMU)	New surveillance initiatives to address gaps in knowledge on AMR and AMU at the community level, including non-hospital settings such as long term care (LTC)			
antimicrobial use (AMU)  Commitment to address AMR and AMU as part of	Infections caused by drug resistant bacteria are a growing concern in LTC facilities	PHAC partnership with IPAC Canada		
the Pan-Canadian Framework for Action	Limited knowledge about prevalence of antimicrobial resistant organisms (ARO) in LTC across Canada	First nationally coordinated survey to examine AMR and AMU in LTC		
	PUBLIC HEALT	TH AGENCY OF CANADA > 3		

Objectives of the survey	
Determine the prevalence of selected bacterial infections and AROs among residents in LTC  Understand antimicrobial stewardship activities and practices related to AROs in LTC facilities  Examine prevalence of antibiotic use, products used, and reasons for taking them  PROACE HEACH AGENCY OF CANADA 2 4	
Scope Selected bacterial infections	
Clostridioides difficile infection (CDI) Uniany text infection (UT) Respiratory tract infection (IT) Respiratory tract infection (IT) Respiratory tract infection (IT) Respiratory tract infection (excluding: common cold, influenza-like illness) Bloodstream infection Skin, soft itssue and mucosal infection (excluding: scables, fungal infections, herpesvirus skin infections, viral gastroenteritis)  Antimicrobial resistant organisms (AROs): Methicillin-resistant Staphylococcus aureus (MRSA) Vancomyrin-resistant enterococci (VRE) Extended spectrum B-lactamase-producing organisms (ESBL) Carbapenemase resistant cryanisms (CRO), including carbapenemase producing organisms (CPO)	
Antibacterials for systemic use in the J01 class of drugs  All major groups of antibiolics and other antibacterial products (e.g. metronidazole, sulfa/trimet, nitrofurantoin, vancomycin)  No topical, antifungal or antiviral products  FURNIC HEALTH AGENCY OF CANADA > 5	
Eligible facilities  Any non-acute health care facility in Canada, meeting all of the following criteria:  Providing long term care (LTC) to residents needing at least some level of medical or professional nursing supervision  On-site professional nursing care available 24 hrs  Not part of a hospital, unless residents are physically distinct from acute-care patients in a separate building  At least 30 permanent LTC beds	
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Methods and data collection	
Approach  Cross sectional survey	
Open for 13 weeks March 4 to May 31, 2019  Each site completed a facility census and questionnaire	
24 hour prevalence day at each site  • Any day during 13 week survey period, chosen by facility  • Observation starting at 8:00 am and ending 8:00 am the following day  De-identified resident and facility data entered in online survey platform	
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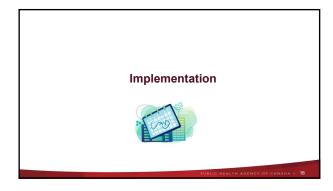
# Census Serves as the facility's denominator for the survey Line list of residents on site on the prevalence day Internal use only (not shared with IPAC Canada or PHAC) Tool to keep track of residents entered in survey Residents listed on the census ✓ Living full-time in facility or all surveyed units ✓ Present at 8 am on the prevalence day ✓ Not away overnight on the prevalence day

# Selection criteria for residents Questionnaire completed for any resident on the facility census with at least one of the following: Eligible infection on the prevalence day. Known to be colonized with an ARO (at time of survey or in last 12 months) Prescribed one or more systemic antibiotics on the prevalence day. Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or in last 12 months) Significant of the colonized with an ARO (at time of survey or i



Facility information	Practices related to AROs
Number of LTC beds	Line list / flags on residents with AROs
Total residents on census (by sex)	Protocols
Services provided in addition to LTC	Surveillance program or reports
Trained ICP on site	
Funding type	
Screening for selected AROs	Outbreaks at time of survey
Admission	Туре
Targeted/high risk	Duration and magnitude
Symptomatic	
Periodic surveys/audits	

		]
Facility practices related to antimic	crobial stewardship	
Antimicrobial stewardship activities     Please indicate if any of these activities to	ake place at your facility:	
Select	ocedures to support optimal antibiotic use	
apply Infectious disease specialist or pharma  Monitoring at least one measure and a	cist available for consultation	
☐ Education to staff, residents, or familie	es on antibiotic resistance or appropriate antibiotic use	
☐ Reports or information shared with ap ☐ Lead(s) for antimicrobial stewardship a	propriate stakeholders to guide or improve practices activities identified	
☐ List of antimicrobials maintained that a ☐ Local antimicrobial resistance profiles	are for restricted use	
☐ None of the above	(antibiogram) available for reference	
☐ Other, please specify:		
	PUBLIC HEALTH AGENCY OF CANADA 5 13	
		]
Elements on the resident qu	uestionnaire	
Resident information Date of admission	ARO history	
Age and sex	Colonized / known colonized in last 12 months Infection in last 12 months	
Number in room, own bathroom		
Hospital stay in last 12 months Medical devices	Infection control	
iviedical devices	Precautions	
Current infection	Room accommodation	
Type Organism	Australia	
o.ga.iioiii	Antibiotic use Product	
	Reason for use	
	Annual Control of the	
	PUBLIC HEALTH AGENCY OF CANADA > 14	
		1
Data sources		
Data Sources		
Facilities could use any available sources of	of information to select residents for the survey and	
complete questionnaires, such as:		
Resident charts		
Nurse logs	Carton Carton	
Lab reports     Pharmacy records	8	
Facility database	1	
<ul> <li>Line lists / flags on colonized residents</li> </ul>		
Walk through each unit		
	النبق ال	
	_	



Implementation ti	melin	Э							
	Sep 2018	Oct	Nov	Dec	Jan 2019	Feb	Mar	Apr	May
Protocol development									
Review and approvals									
Promotion and recruitment									
Develop and pilot online platform									
Training									
Data collection									
I									
					PUBLI	HEALTH	AGENCY C	F CANADA	



## Training and materials for participants

- Trainings webinars

  5 sessions (Feb Mar)

  English and French

  Staff attended from 83% of facilities

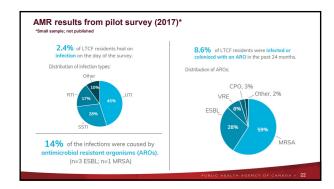
  Recorded session available

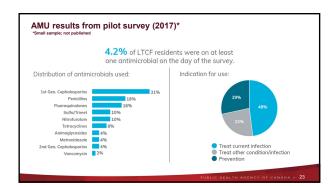


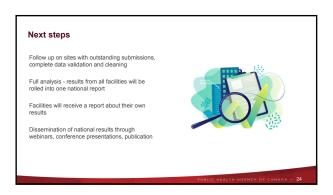
- Package of resources
  Training presentation
  Protocol and surveillance case definitions
  Facility questionnaire
  Resident questionnaire
  Templates for census and ID codes
  Antibiotic reference sheet
  Checklist and contact information to get support during data collection

## Participating facilities 184 sites registered → 17 ineligible / unable to participate 167 sites entered









	Comments from the field  Look forward to benchmark my  data  Valuable, so needed to be done in this sector  Valuable, so needed to be done in this sector	
	Using the results for surveillance	
ı		
	Questions?	
	claudia.rank@canada.ca	

Members of the IPAC Canada Long Term Care Interest Group who helped develop the protocol and questionnaires:  Karine Boissonneault Jean Clark Julie Mori Jean (Alex) Julie Mori Jean (Breit Fillson Jania Paolini Nicki Gill Esther Rupnarain Adeline Griffin Aurora Wilson  Glenys Smith	Interest Group who helped develop the protocol and questionnaires:  Rarine Boissonneault Jean Clark Julie Mori Jean Clark Sand Noble Cheryl Collins Tania Paolini Nick Gill Esther Rupmarain Adeline Griffin Aurora Wilson Glenys Smith	Interest Group who helped develop the protocol and questionnaires:  Karine Boissonneault Jean Clark Julie Mori Cheryt Collins Sand Noble Jennifer Ellison Nicki Gill Esther Rupnarain Nicki Gill Adelson Cetter Aurora Wilson		Acknowledgements		
Karine Boissonneault Lee Hanna Cheryl Marinsky Jean Clark Julie Mori Kelli Wagner Chery Collins Sandi Noble Jennifer Ellison Taria Poolini Nicki Gill Esther Rupnarain Adelane Cottler	Karine Boissonneault Lee Hanna Chenyl Marinsky Jean Clark Julie Mori Cheryl Collinc Sandi Noble Jennifer Eilison Tania Paolini Nicki Gill Esther Rupnarain Data analysis Adeline Griffin Aurora Wilson Genys Smith	Karine Boissonneault Lee Hanna Cheyr Marinsky Kelli Wagner Jan Clark Sandi Noble Jennifer Ellison Tania Paolini John Giffin Aurora Wison Glenys Smith	Interest Group who hel		Administration and technical support	
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Jennifer Ellison Tania Paolini Data analysis Nicki Gill Esther Rupnarain Data analysis Adelino Giffin Aurora Wilson	Jennifer Ellison Tania Paolini Data analysis Nicki Gill Esther Rupnarain Data analysis Adeline Griffin Aurora Wilson Glenys Smith	Jennifer Ellison Tania Paolini Nicki Gil Esther Rupnarain Data analysis Adeline Griffin Autora Wilson Glenys Smith	Jean Clark	Julie Mori		
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