Transforming data into evidence and strengthening relationships along the way

Dar Malaviarachchi, Epidemiologist Jacqueline Edwards, Data Analyst

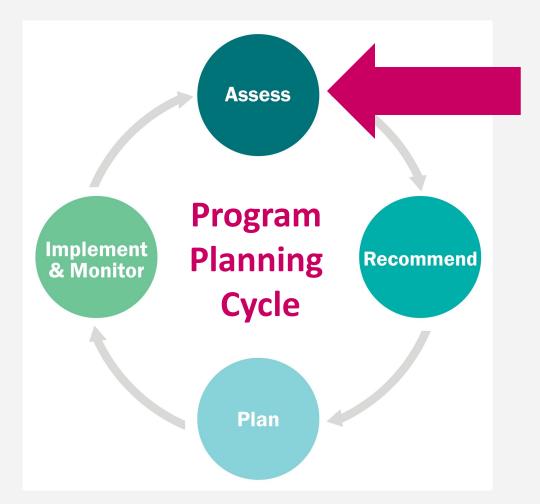
Knowledge and Strategic Services Division Thursday, November 16, 2023



Population Health Assessment & Public Health Board of Health Santé publique SUDBURY & DISTRICTS **Surveillance Team** Medical Officer of Health and **Executive Assistant and** Administrative Assistant **Chief Executive Officer** Secretary to the Board of Health Hélène Leroux Rachel Quesnel Dr. Penny Sutcliffe Sexual Health. Vaccine Preventable Corporate Services Division Health Protection Division Health Promotion Division **Knowledge and Strategic Services** Diseases and COVID-19 Vaccination Director Director Director Division **Chief Nursing Officer** Director (SVC) Division France Quirion Stacev Laforest Stacey Gilbeau Renée St Onge Directors Stacev Laforest Stacev Gilbeau Sample of program areas: Family Health Accounting **Emergency Management** Health Equity Sexual Health. Vaccine Healthy Babies Healthy Children **Food Safety** Client/Reception Services Indigenous Engagement Preventable Sexually Health Hazard Prevention and **Healthy Communities** Performance Monitoring **Facilities** Transmitted Diseases Management Injury Prevention Population Health Assessment **Human Resources** Infections and COVID-19 -**Healthy Built and Natural Environments** Mental Health and Substance Use and Surveillance Blood-borne Vaccination Information Technology Infectious and Communicable Disease **Program Evaluation Oral Health Programs** Infections Program Privacy and Access to Information Prevention and Control (including Research and Knowledge Exchange Prevention of Chronic Diseases (including HIV) School Focused Quality Rabies and Vectorborne Diseases) Staff Development (Healthy Eating, Healthy Weights, Prenatal and Nurses **Records Management** Part 8/Ontario Building Code Student Education Sleep, Comprehensive Tobacco Postnatal Nurse (Septic Systems) Communications Risk Management Control, Physical Activity, Exposure Practitioner Volunteer Resources Safe Water Strategic Planning to Ultraviolet Radiation, Alcohol Use) Smoke Free Enforcement School Health **Tuberculosis Prevention and Control** Vision Health Screening Program Workplace Wellness

R: June 8, 2023

Public health programming needs to be based on high quality evidence



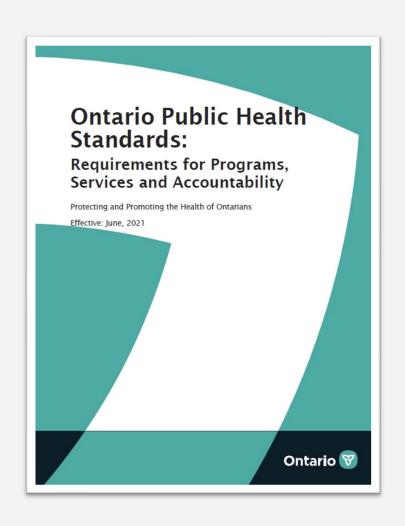
Information on local population health issues is one important source of evidence



Data analytics, grounded in community context and partnerships, is essential to the development of effective local public health programs



Reporting on such data is required by the Ontario Public Health Standards

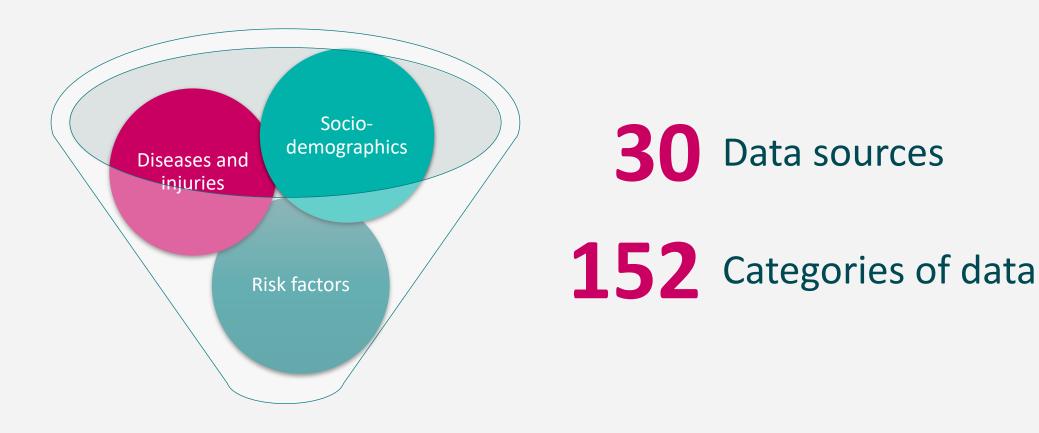


Foundational Standards

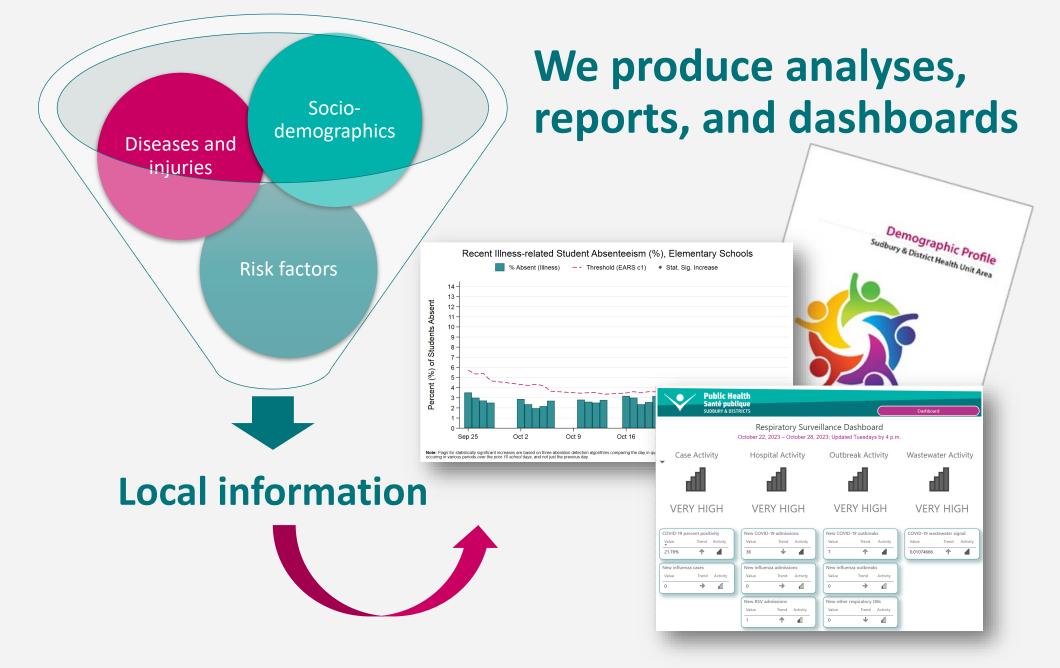
- 1. Population Health Assessment
- 2. Health Equity
- 3. Effective Public Health Practice
- 4. Emergency Management

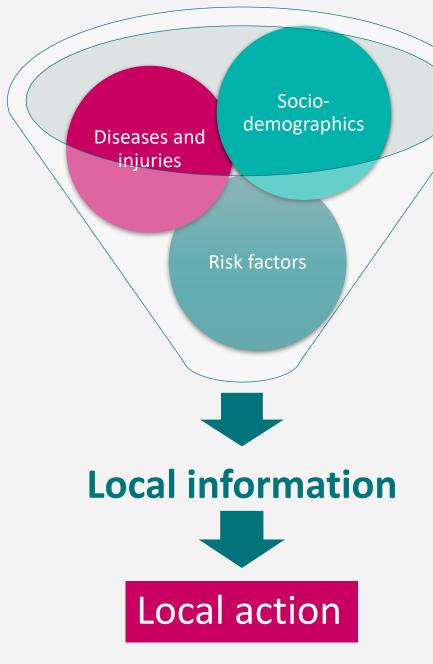
Program Standards

- Chronic Disease Prevention and Well-being
- 2. Food Safety
- 3. Healthy Environments
- 4. Healthy Growth and Development
- 5. Immunization
- 6. Infectious and Communicable
 Disease Prevention and Control
- 7. Safe Water
- 8. School Health
- Substance Use and Injury Prevention



Our team is responsible for processing a huge (and increasing) amount of data



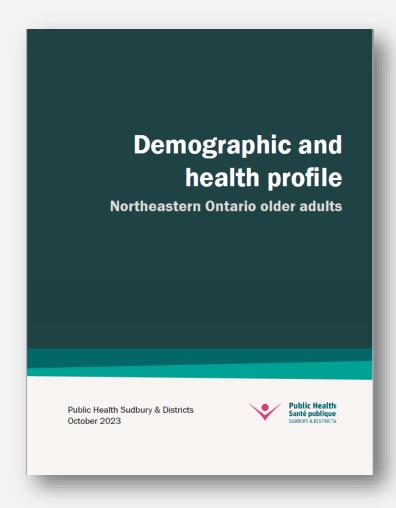


Our work is essential to help identify...

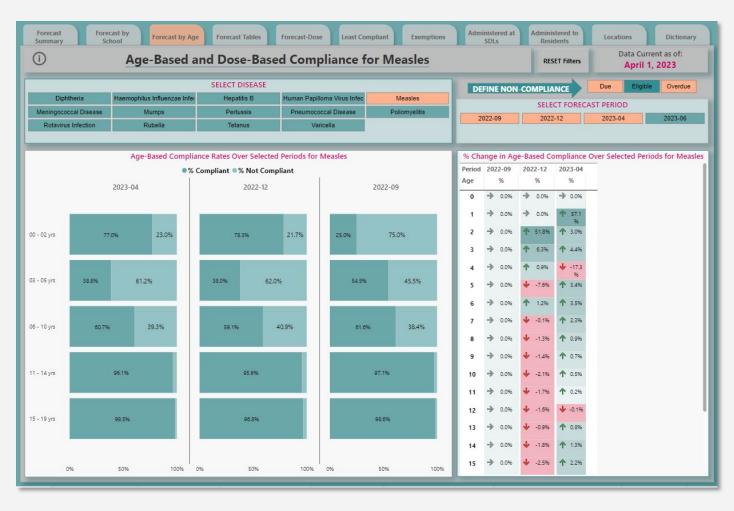
- ► Local public health needs
- Trends and emerging issues
- Priorities populations
- ¹-----→ Program effectiveness

...to inform local ACTION

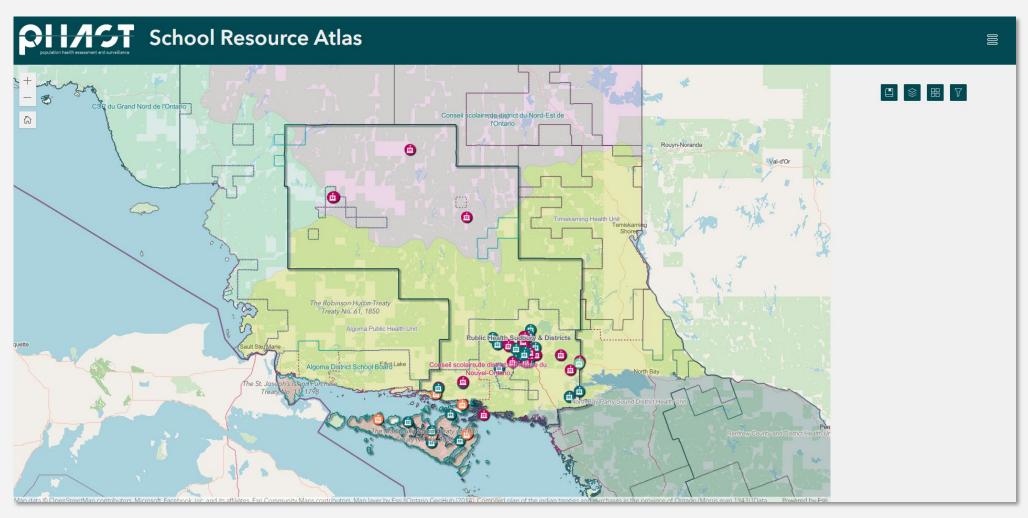
Informing local action: Profiling older adults in Northeastern Ontario



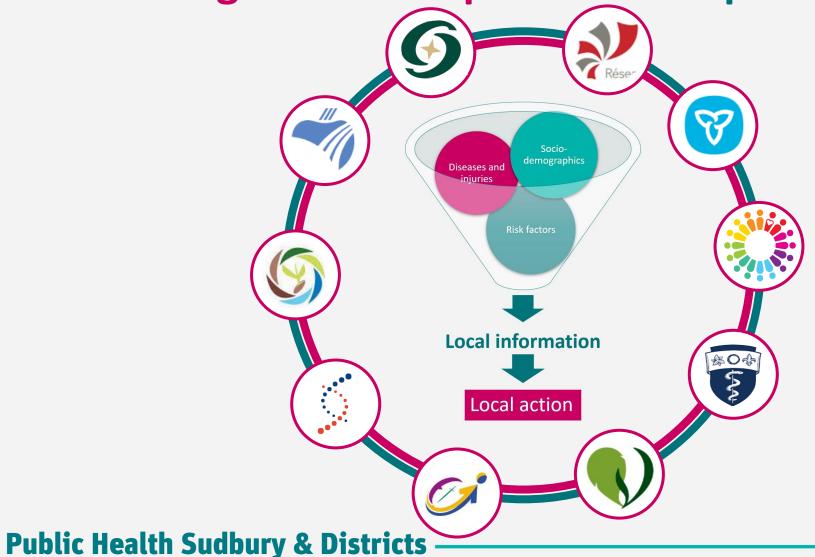
Informing local action: Monitoring routine student immunization rates



Informing local action: Mapping the resources available to schools



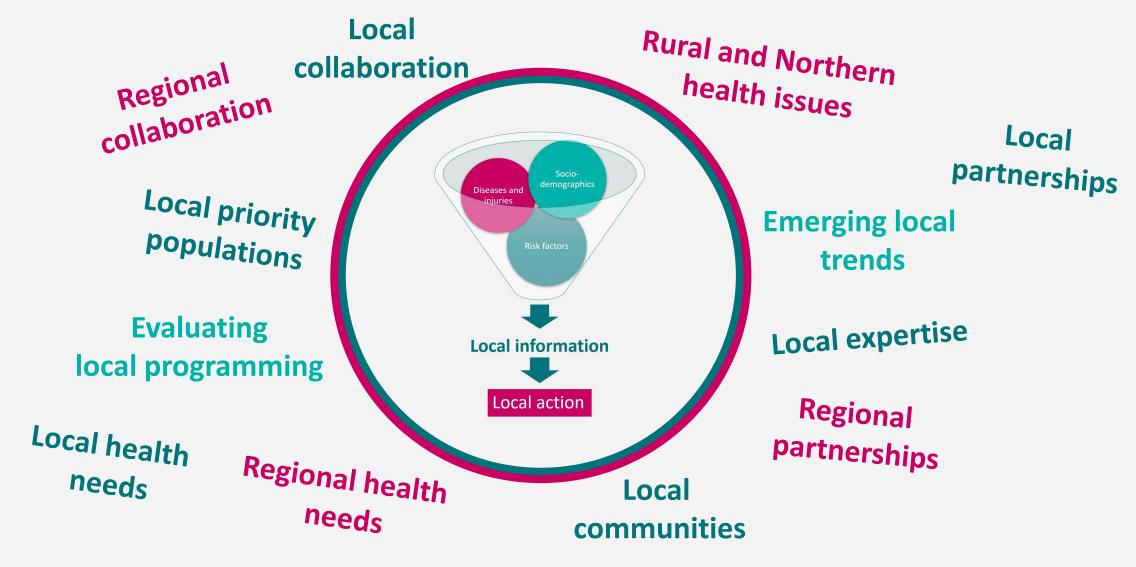
The effectiveness of our work is greatly enhanced by our strong relationships with local partners



The local information we provide can be vital to their work as well



Local analytics are **essential** to effective local action



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