Current State Assessment of the Primary Health Care System in Nova Scotia

The Primary Health Care System Baseline Report: Executive Summary

Nova Scotia Health Authority | Primary Health Care

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This document is an executive summary only.

Please refer to the full **Technical Document** for further details and detailed specifications for the indicators and data sources.

ACKNOWLEDGEMENTS:

The *Current State Assessment of the Primary Health Care System in Nova Scotia* was completed as a result of contributions from many Primary Health Care leaders, providers, researchers, and partners. We thank Research Power Inc. for their work to facilitate the process and we thank representatives from the Nova Scotia Health Authority, Department of Health and Wellness, the IWK Health Centre, the research community, and patient representatives for their participation in the planning process.

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FOR FURTHER INFORMATION:

For information about any of the concepts included in this paper, please contact: <u>primaryhealthcare@nshealth.ca</u>

BACKGROUND AND RATIONALE

Primary health care is the foundation of the health system and where the majority of people experience most of their health care. In Nova Scotia (NS), the primary health care system is on a journey of large scale transformational change; investing in the community-based primary health care system is key to achieving Nova Scotia Health Authority's (NSHA) vision of *Healthy people, healthy communities – for generations*.

In order to appropriately design, implement, and evaluate any primary health care system, the desired outputs and outcomes, along with the indicators and measures to assess progress towards these outputs and outcomes, need to be identified. A baseline assessment of these identified indicators is needed for NS in order to properly measure the effectiveness of the system transformation in primary health care and serve as a foundation for future measurement.

This executive summary is a condensed overview of the technical document, *Current State Assessment of the Primary Health Care System in Nova Scotia*, which provides a comprehensive analysis of the PHC system in NS at the time of NSHA's formation. This document will serve as the foundation for future measurement and evaluation related to the impact of system change and investment in PHC. The executive summary highlights the NSHA PHC System-level Evaluation Framework, available indicators and a snapshot of their current state in NS at the time of NSHA's formation. Please refer to the full **Technical Document** for further details.

SYSTEM-LEVEL EVALUATION FRAMEWORK

To guide indicator selection and alignment, a multidimensional evaluation framework was developed that reflects the complex nature of the PHC system, incorporates functions and enablers defined by the NSHA and considers the broader geographic, economic, and social context in NS (Figure 1). The development of the NSHA PHC System-level Evaluation Framework was guided and influenced by key documents, guiding frameworks, and stakeholder input.

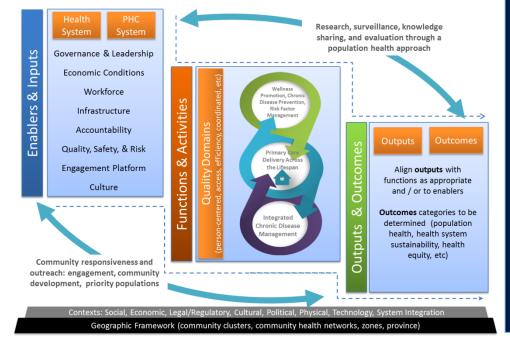


Figure 1: NSHA PHC System-Level Evaluation Framework

Enablers and inputs are the resources and supports that are needed to carry out the activities of PHC delivery in Nova Scotia. Enablers are required from a PHC system orientation perspective as well as the broader health system. Activities related to the key functions of the PHC system as defined by the NSHA are reflected in the center and around the diagram. Outputs include the products and

Outputs include the products and services delivered as part of the PHC system, as well as the outputs of the enablers. **Outcomes** are what are achieved at an individual, population and system level as a result of the outputs of the enablers and the PHC system.

APPROACH

To accomplish the objectives of the report, existing guiding frameworks and seminal documents were used to provide a theoretical foundation for the design of the NSHA PHC System-level Evaluation Framework and to guide indicator selection. 345 potential indicators were identified using a rapid review process examining existing evidence-based work on indicators for the PHC system, including Canadian Institute for Health Information (CIHI) PHC indicators, NSHA's key performance indicators, Health Quality Ontario's PHC indicators, past evaluation work for the PHC system in NS, among many other sources. This was reduced to a short list of 95 indicators, primarily based on feasibility of obtaining an aligning data source. Key stakeholders further reduced the list to 28 indicators through a multi-voting process considering the balance of indicators across framework domains (Figure 2). The longer list is being maintained as a list for potential future indicators.

Figure 2: Indicator Selection Process

345 Potential Indicators Identified through a rapid review process



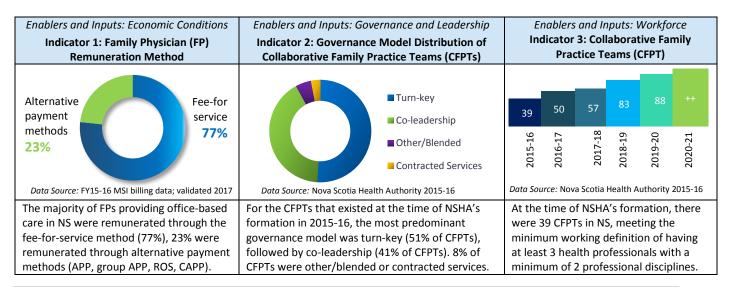
95 Short List of Indicators *With available data source* 28 Final List of Indicators Selected by key stakeholders through multi-voting process

CURRENT STATE ASSESSMENT

The current state of the 28 indicators selected is described in detail using a collection of data sources and the most recent year of data available aligned with the year of transition to a provincial health authority (2015) in the full technical report. A snapshot of the results of the current state assessment of each indicator is included below. Indicators are organized by the three types: (1) Enablers and Inputs; (2) Functions and Activities; and (3) Outputs and Outcomes, based on alignment to each component of the system-level framework (Figure 1).

Enablers & Inputs

The first seven indicators are classified as enablers and inputs and align with the framework domains: economic conditions, governance and leadership, workforce and research, surveillance, knowledge sharing and evaluation.

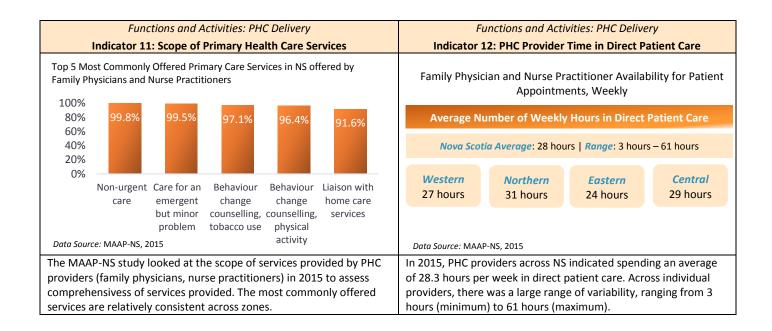


Enablers and Inputs: Workforce Indicator 4: Difference between Available and Required PHC Human Resources	Enablers and Inputs: Workforce Indicator 5: Population with a Regular Healthcare Provider	Enablers and Inputs: Workforce Indicator 6: Family Medicine Learners
NPs Other * FPNs 60 149 177	Canada 83.2% Nova Scotia 88.7%	31 PGY2 Family Medicine Residents Practice &
*Community adaptive team members, including social workers, dietitians, occupational therapists, physiotherapists, etc. Data Source: Nova Scotia Health Authority, 2016	0% 20% 40% 60% 80% 100% Data Source: Canadian Community Health Survey, 2015	Community Experience Data Source: Dalhousie University, 2016-17
The additional PHC health human resources required, by professional discipline, to support the population based on PHC planning parameters.	In 2015, 88.7% of Nova Scotians who responded to the CCHS indicated that they had a regular healthcare provider. This is above the national rate of 83.3% of Canadians.	During the 2016-2017 academic year, there were approximately 31 medical residents completing training in Nova Scotia family medicine practices.
, , ,	eillance, Knowledge Sharing and Evaluation ity (Participation and Partnerships)	
60 staff and physician leaders with research profiles 50-100 research activities 15 research study partnerships	Approx. 60 PHC staff and physician leaders from the NSHA and Dalhousie Family Medicine (DFM) have research profiles. Other results included 50- 100 research activities and 15 research study partnerships, for FY16-17. <i>Data Source:</i> CoR-PHC, 2017; BRIC-NS, 2017; NSHRF, 2017; CIHR, 2017; NSHARF, 2017	

Functions & Activities

The next five indicators are classified as functions and activities and align with the framework domains: community responsiveness and outreach, integrated chronic disease management (CDM) and PHC delivery.

Functions and Activities: Community Responsiveness and Outreach Indicator 8: Programs Dedicated toward Priority Populations	Functions and Activities: Community Responsiveness and Outreach Indicator 9: PHC Providers' Sensitivity to Patients' Cultural Values	Functions and Activities: Integrated CDM Delivery Indicator 10: PHC Support for Self- Management of Chronic Conditions
Central, 6 Western, 4 Eastern, 3 Northern, 3 Province-wide, 1 17 Programs Data Source: Nova Scotia Health Authority, 2017	97% of patients agreed or strongly agreed their PHC providers took their cultural values into account	55% of patients were always or sometimes encouraged to go to self- management programs Data Source: NSHA PHC Client Experience Survey, 2017
As of 2017, there were 17 PHC programs and services dedicated to priority populations such as the 2SLGBTIQ+ community, students and youth, women, men, newcomers, First Nation communities, and African Nova Scotians.	In 2017, 97% of patient respondents to the PHC Client Experience Survey administered at locations of PHC teams participating in Accreditation Canada's Primary Care Services Standards agreed or strongly agreed that staff took their cultural values and those of their family or caregiver into account.	Approximately 55% of respondents to the 2017 PHC Client Experience Survey reported that yes, they were always or sometimes encouraged to go to a specific group, program or class to help them manage their health concerns.

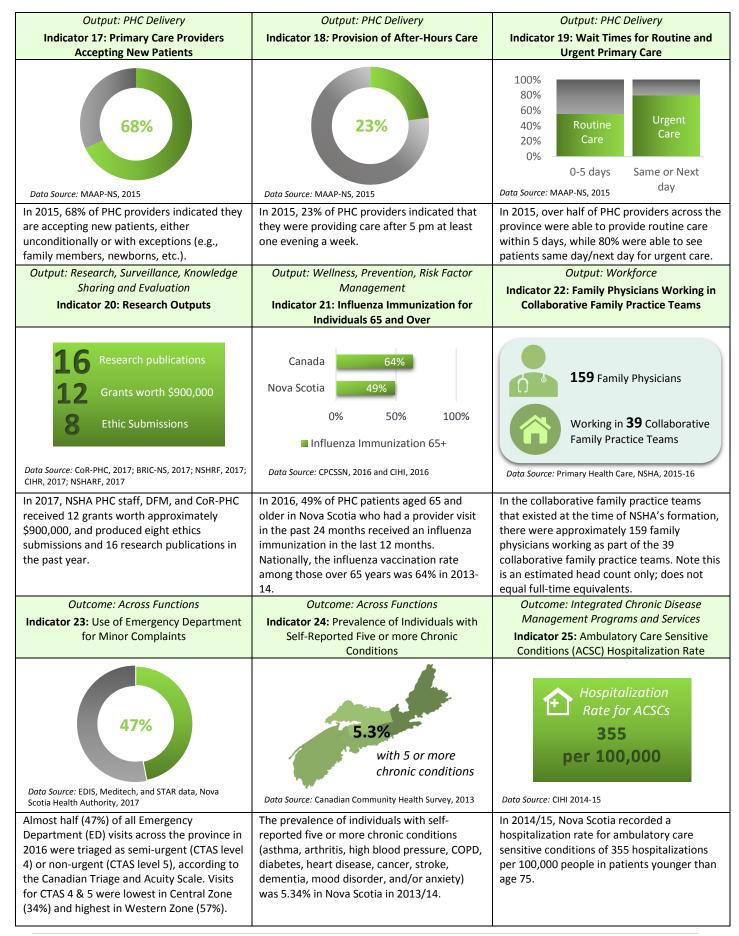


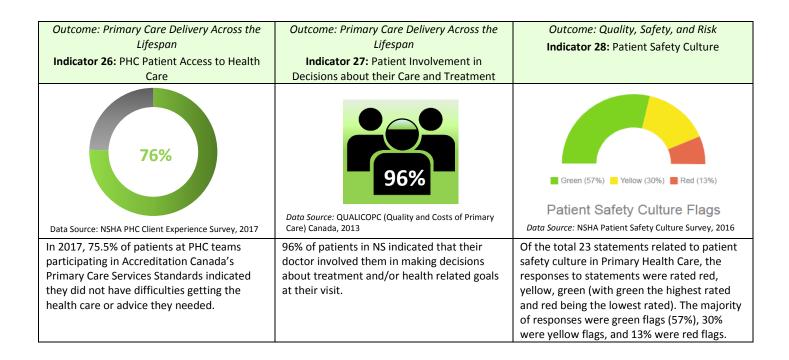
Outputs & Outcomes

The remaining 16 indicators are classified as outputs and outcomes; 10 are outputs and 6 are outcomes. The 10 output indicators align with the framework domains: economic conditions, engagement platform, infrastructure, workforce, PHC delivery, research, surveillance, knowledge sharing and evaluation, PHC delivery, and wellness, prevention, and risk factor management. Outcome indicators span multiple functions.

Output: Economic Conditions	Output: Engagement Platform	Output: Infrastructure
Indicator 13: Per Capita Primary Health Care Expenditures	Indicator 14: Patient Participation in Activities	Indicator 15: PHC Physician use of Electronic Medical Record (EMR)
\$36 per Nova Scotian	Understanding health screening status Quality Teams Patient Experience Surveys Model design for Community Health Community Health Engagement Teams Programs Evaluation	Provincial EMR Use 87%
Data Source: Primary Health Care, NSHA, 2015-16	Data Source: Primary Health Care, NSHA, 2017	Data Source: Department of Health & Wellness, 2017
Primary Health Care's budget was \$33,293,521 at the time of NSHA's formation in 2015-16. This equated to NSHA spending \$36 per person (or \$3.6M per 100,000 people) on primary health care programs and services (based on a population of 920,383, Census, 2011). *excludes spending on physician services and MSI billings	At the time of this report, involving patient and family advisors in planning and quality in PHC was in its early stages. All zones were beginning the process to recruit patient and family advisors as part of quality teams and there was a history of patient involvement and engagement in several areas. PHC will be standardizing how we report on this important measure going forward.	In 2017, approximately 87% of family physicians in the province were on an EMR. Of all physicians using an EMR, 80% used Nightingale on Demand.

Note: Indicator #16 was not reportable at the time of preparation of this report. Refer to the Technical Document for more information.





CONCLUSION

The *Current State Assessment of the Primary Health Care System in Nova Scotia*, provides a comprehensive, system-level assessment of the primary health care system at the time of Nova Scotia Health Authority's formation. The technical report presents an evidence-based evaluation framework, an inventory of prioritized indicators and measures, and a detailed baseline assessment of these 28 system-level indicators with a readily available data sources. This executive summary provides high level summary of the process, PHC system-level evaluation framework, and a snapshot of the 28 indicators that were short-listed through the process and their results.

This report provides an important first step in assessing the primary health care system in NS. By outlining key indicators and data sources, it will encourage consistency and consensus in the reporting of key measures and will serve as the foundation for future measurement and evaluation related to the transformation of the primary health care system over time. The goal is to use this report as a foundation for monitoring the indicators highlighted in this report to determine changes over time.

Future work will focus on identifying a complete set of ideal, future-oriented indicators that is not constrained by readily available data sources only. This will also require identifying and/or developing accompanying data collection tools and resources, as well as identifying strategies for accessing additional, critically important data sources, such as electronic medical record (EMR) data. Additional work is required to identify a core set of indicators to assess performance at the program/service and practice level, as part of a cascade of indicators at multiple levels of the system (macro, meso, micro).

We would like to thank all stakeholders who participated in this work and provided data to support the development of this report. The *Current State Assessment of the Primary Health Care System in Nova Scotia* was completed as a result of contributions from many Primary Health Care leaders, providers, researchers, and partners. We thank Research Power Inc. for their work to facilitate the process and we thank representatives from the Nova Scotia Health Authority, Department of Health and Wellness, the IWK Health Centre, the research community, and patient representatives for their participation in the planning process.