



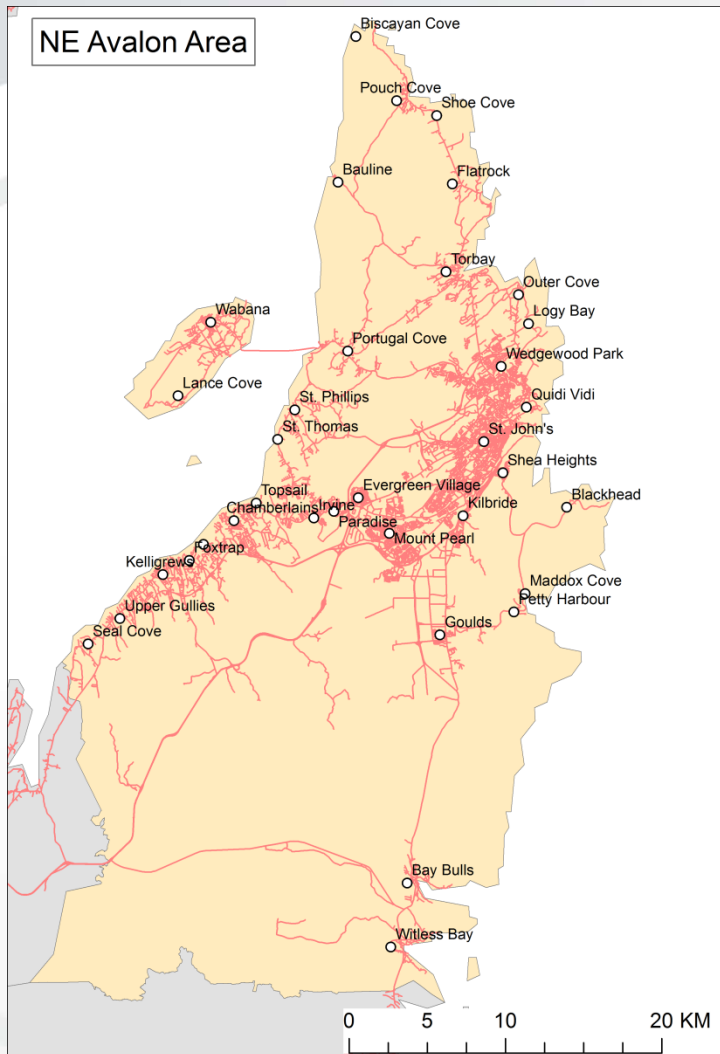
The Population Project: Implications of Demographic Change for Newfoundland and Labrador

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John's, Newfoundland, Canada

The Population Project: Purpose

- **Purpose of the Project**
 - **NL undergoing demographic transition**
 - Population declining, aging, relocating
 - **Govt. of NL – Population Growth Strategy**
 - Focus – stabilizing, growing population
 - **Population Project – Implications of demographic change**
 - Focus – adaptation, innovation, policy recommendations
 - Health – demand, supply, delivery, effectiveness, cost

NE Avalon: 2011 - 2036



Population:

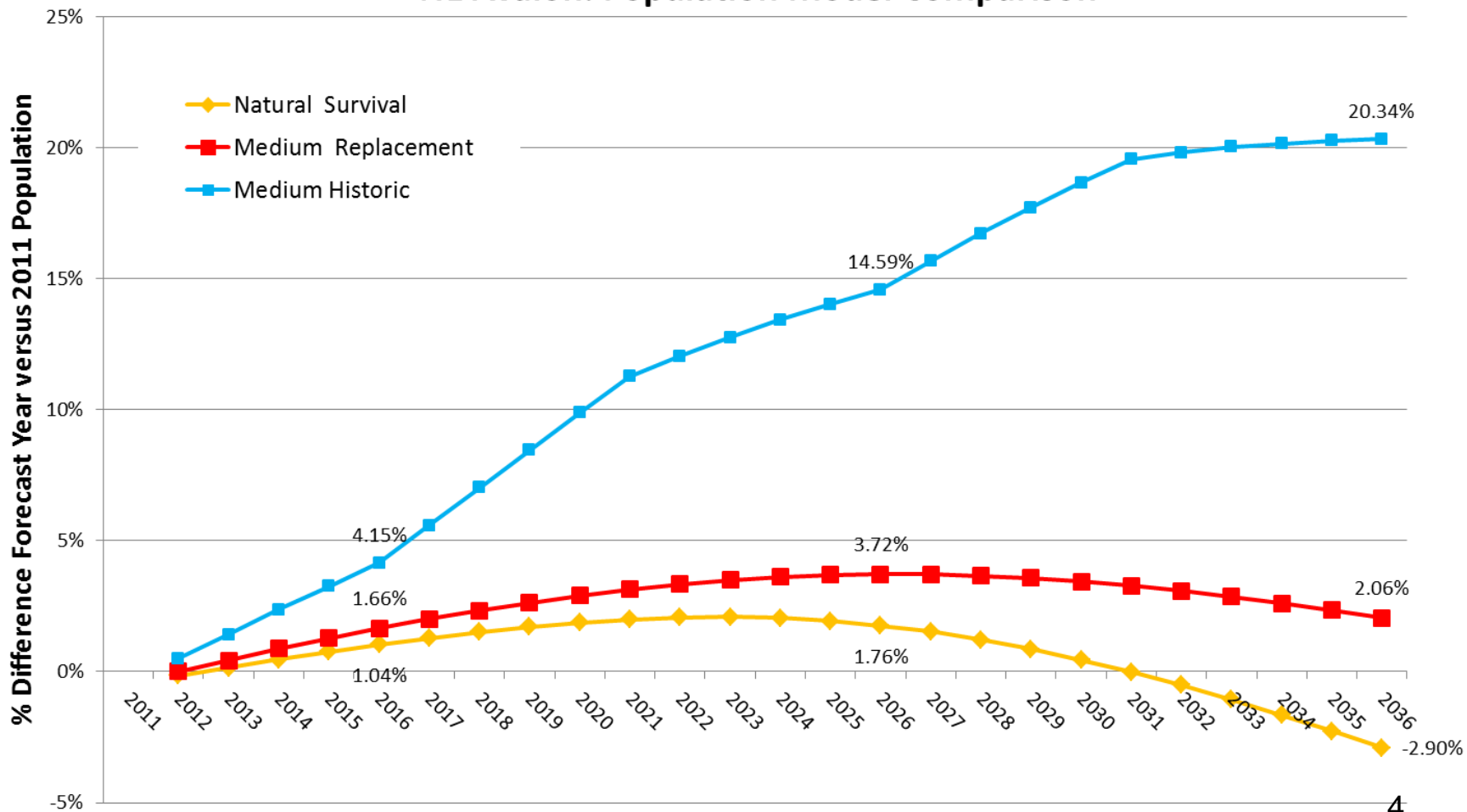
2011 – 205,168

2026 – 235,093

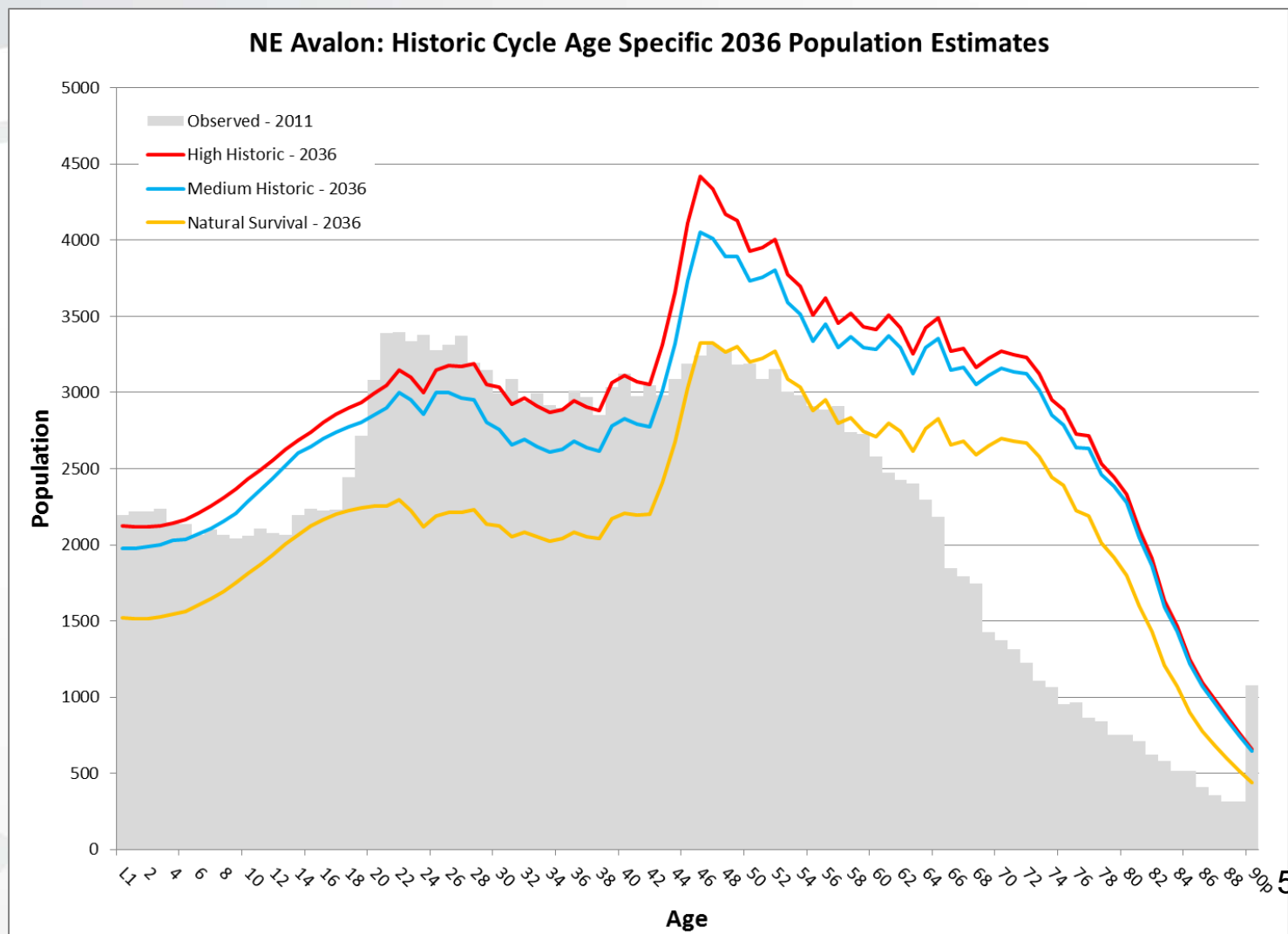
2036 – 246,904 (20.3%)

NE Avalon: 2011 - 2036

NE Avalon: Population Model Comparison



NE Avalon: Age Distribution 2011, 2036



Labrador South Coast: 2011-2036



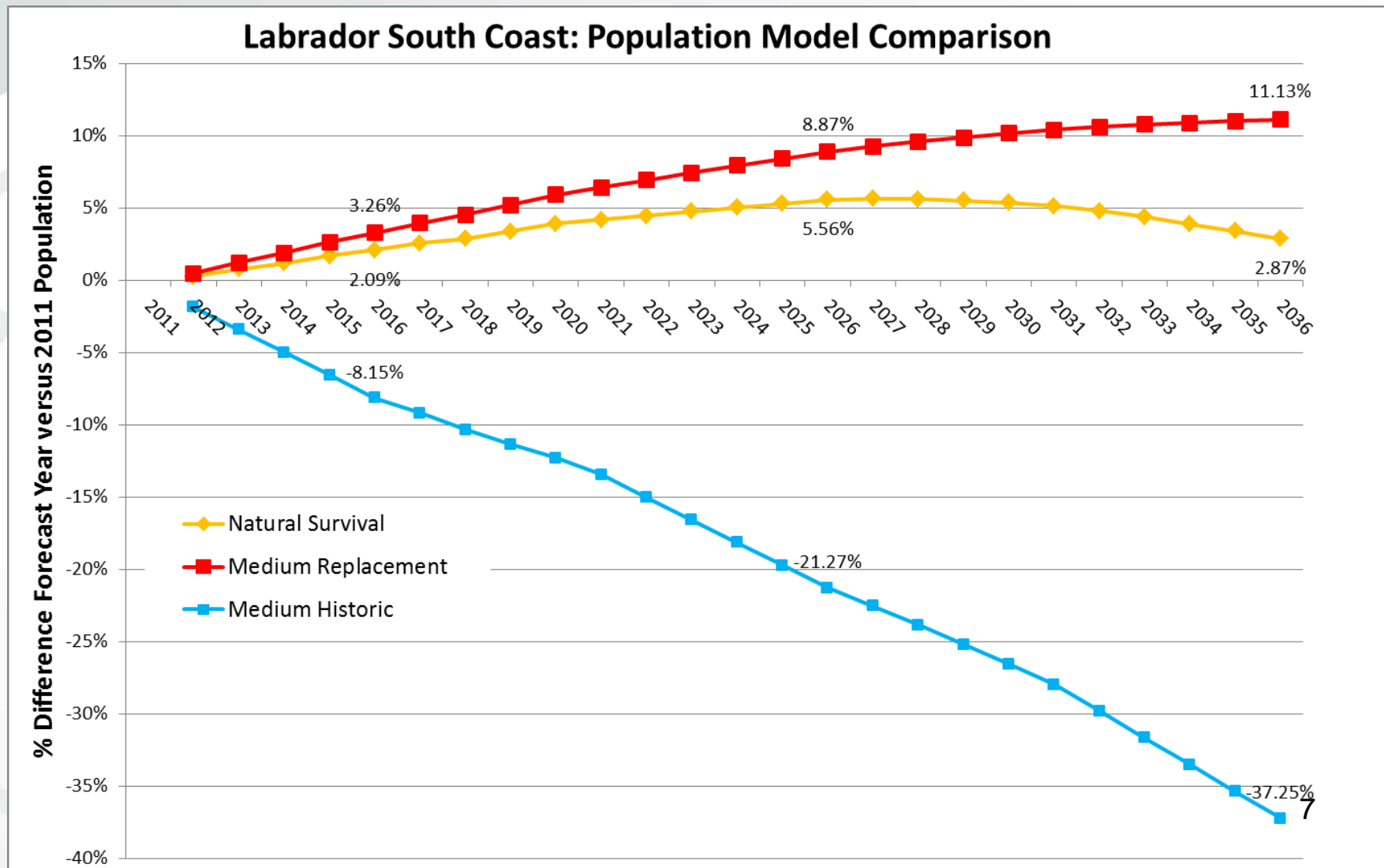
Population:

2011 – 2,248

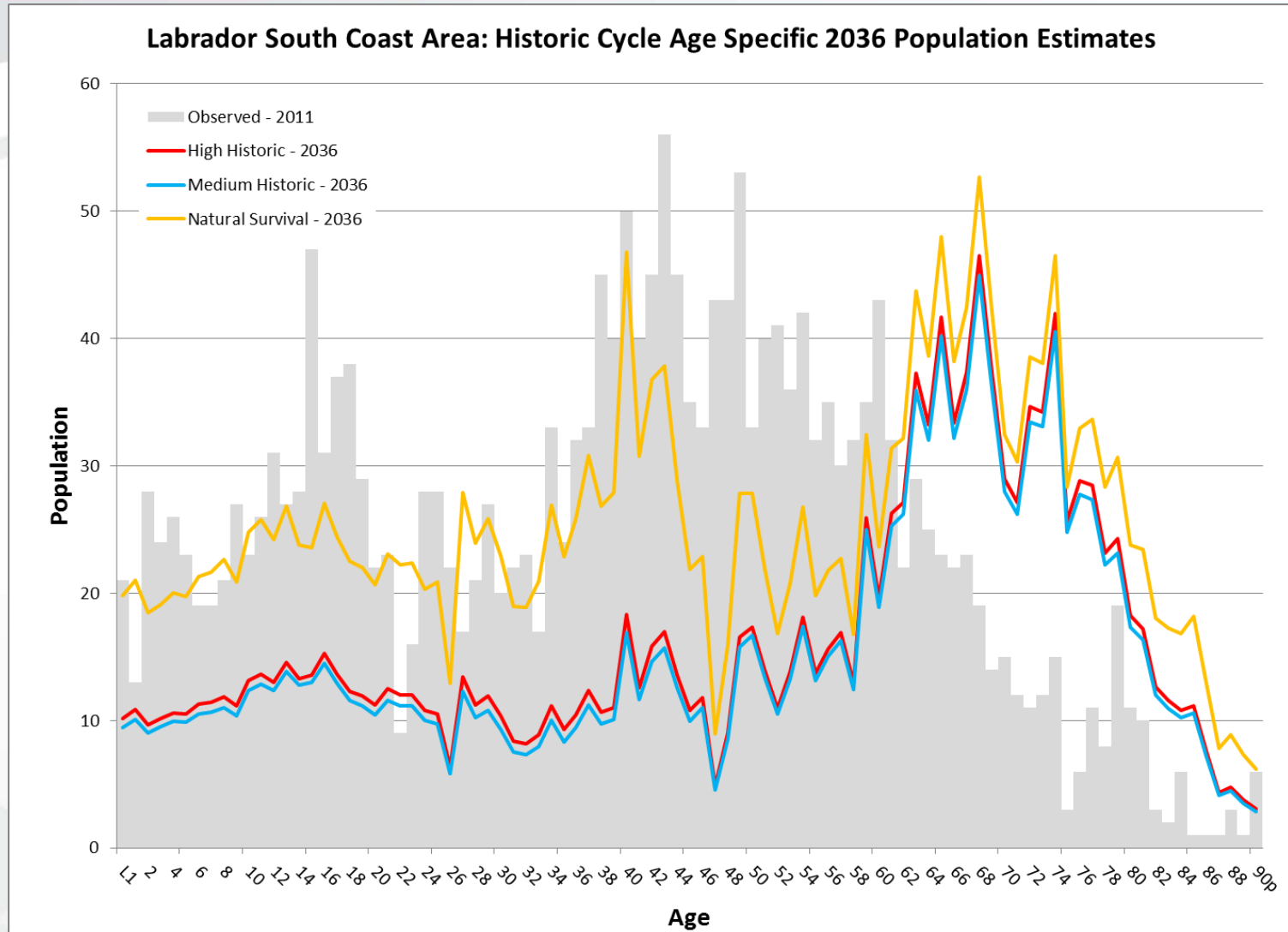
2026 – 1,770

2036 – 1,411 (-37.2%)

Labrador South Coast: 2011-2036



Labrador South Coast: Age Distribution 2011, 2036

Implications and Actions: Health Care

“Repeated experience has shown that far greater improvements (in health care delivery) can be obtained by a thorough understanding of the interactions between different elements of the system and restructuring them in a way that leaves all parties better off.”

Uzsoy, R. (2005) Supply Chain Management and Health Care Delivery: Pursuing a System-Level Understanding”, in Reid PP, Compton WD, Grossman JH, et al., editors. *Building a Better Delivery System: A New Engineering/Health Care Partnership*. Washington (DC): National Academies Press (US)

Implications and Actions: Health Care

- RAnLab – integrated systems and demographic analytics model
 - Inputs
 - Current - facility service level; facility capacities; patient characteristics; diseases; treatments; patient demand;
 - Changes over time - demography; patient demand, supply
 - Outputs
 - system responses, costs, effectiveness, scenario developments