

# 13th CCNHFI ANGUILLA (Nov 6-8, 2019)

Aging, Health Care Demands and Sustainable Health Financing

Howard Cimring



Improving lives. Improving business.

# Outline

Population demographics

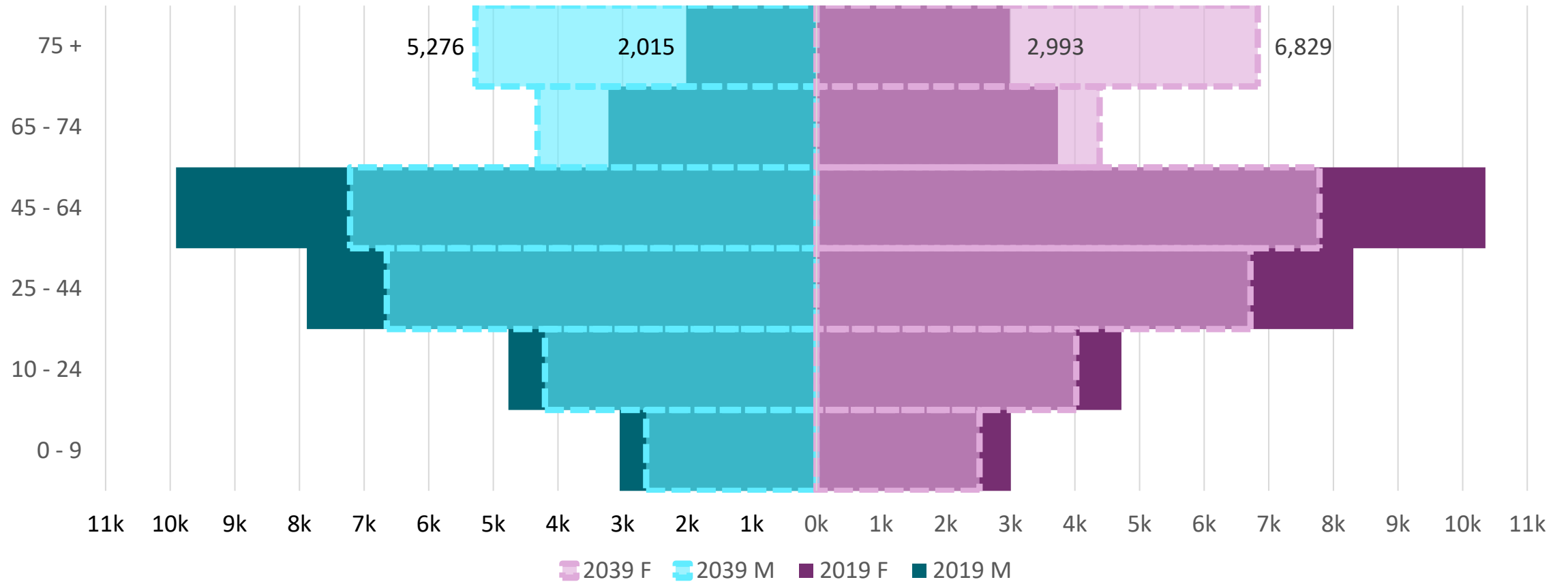
Healthcare expenditure

Delivery of services

Financing

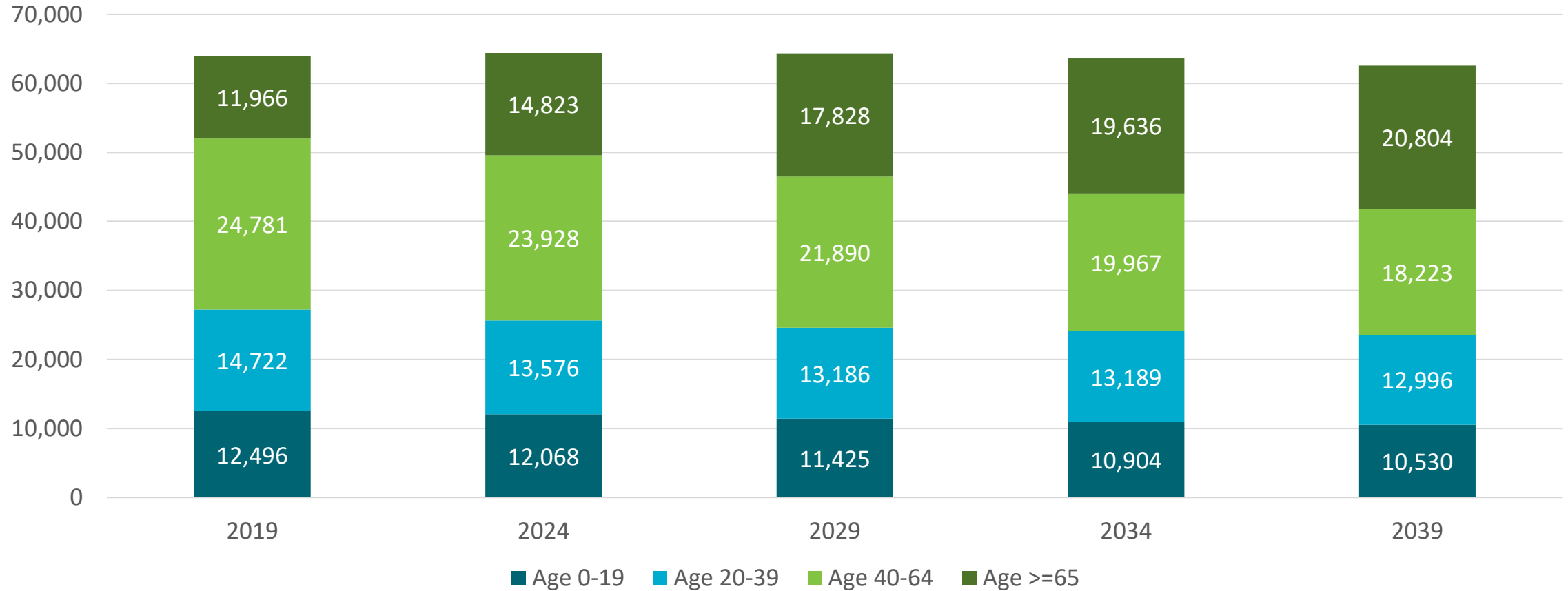
# Population Pyramid

Bermuda Projection



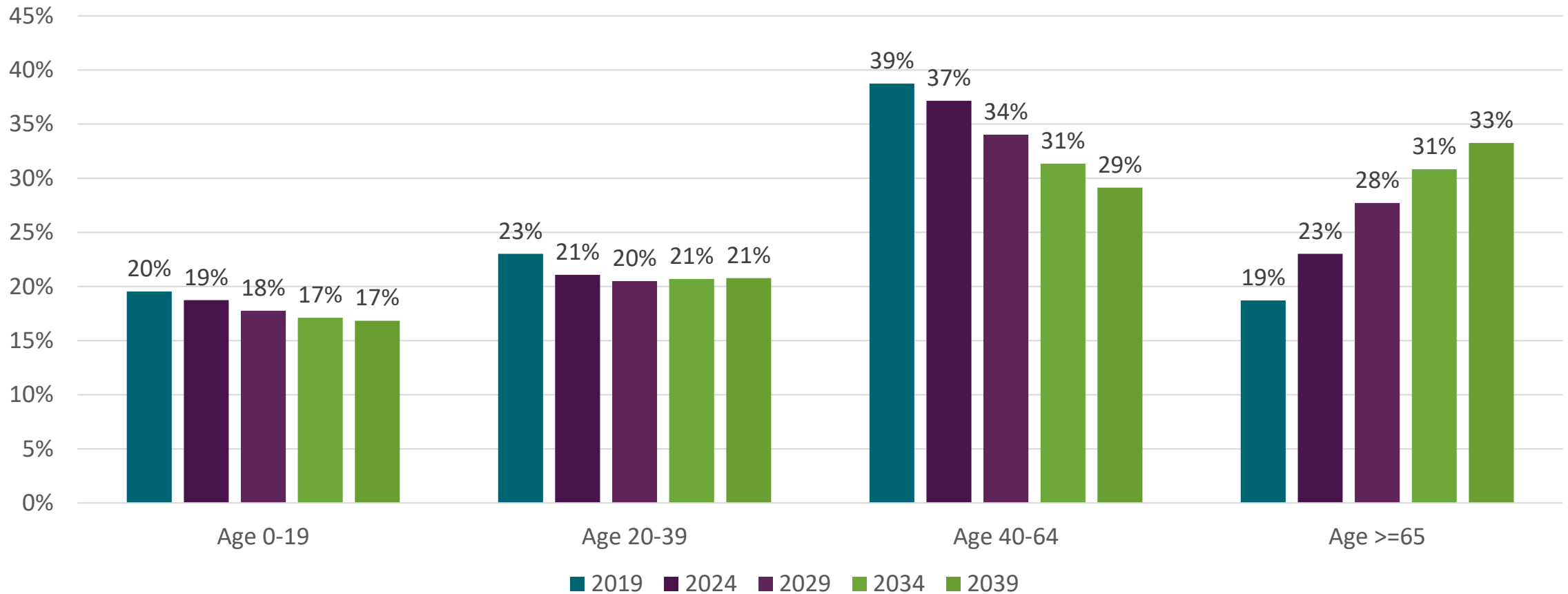
# Estimated Total Population

Bermuda Projection



# % of Estimated Population by Age

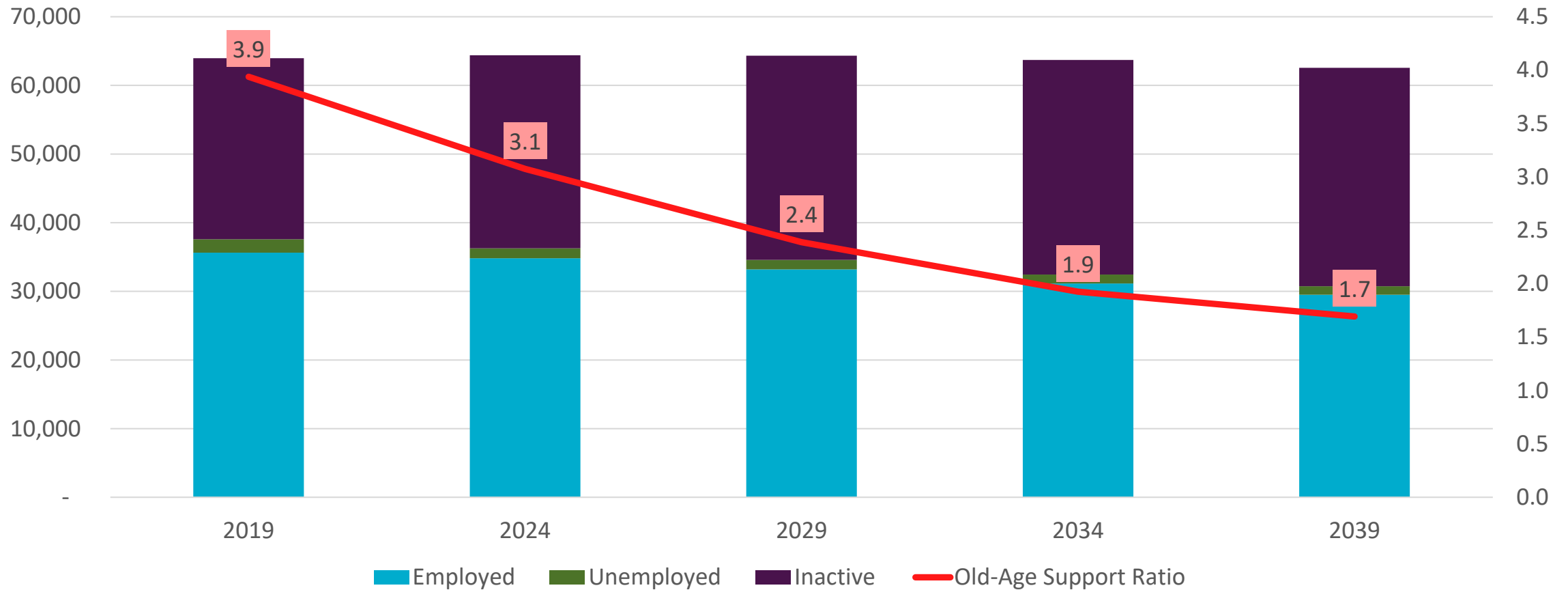
Bermuda Projection



# Estimated Total Labour Force

In 2019, the ratio of employed persons to unemployed persons age 65 and over, is estimated to be 3.9-to-1 (old-age support ratio); and in 2039 the ratio is forecast to decline to approx. 1.7-to-1

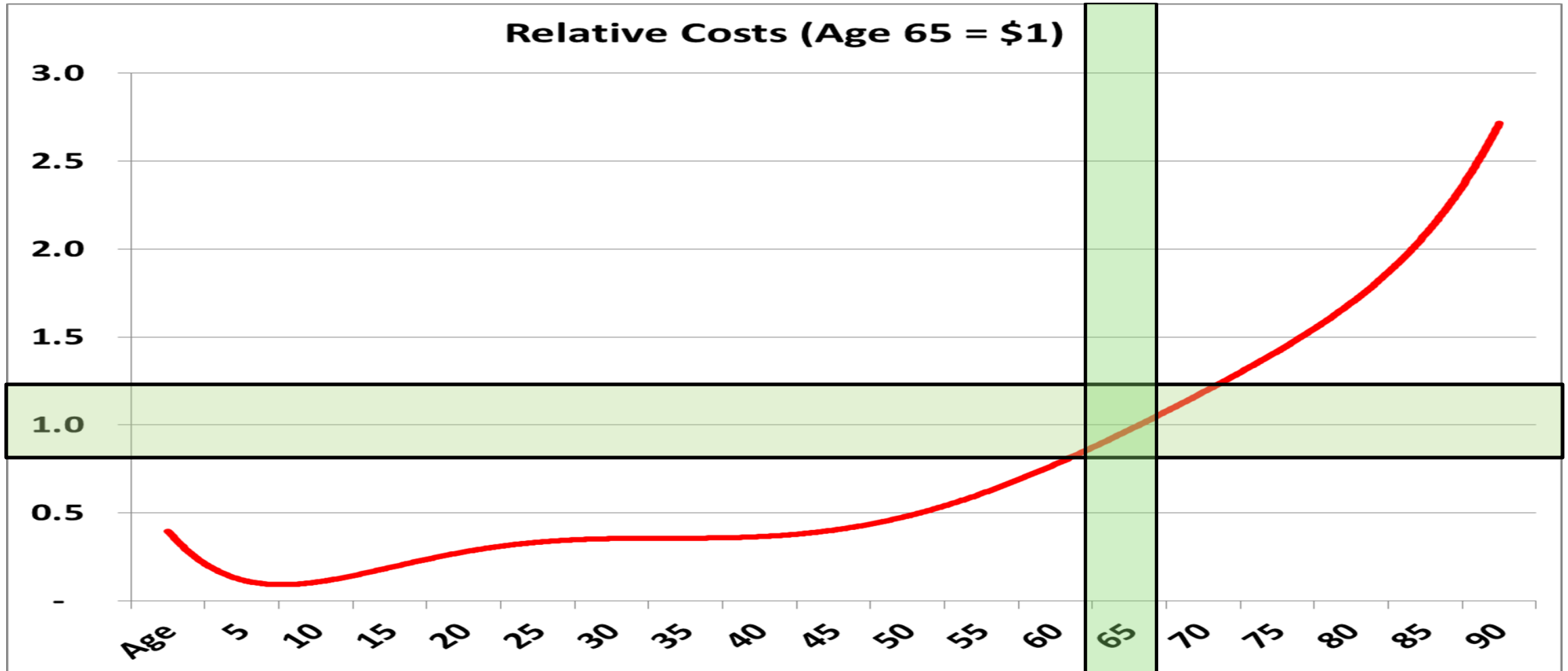
Bermuda Projection



# Ratio of those in Working Age to Elderly

Jurisdiction	Base	Future Estimate
Bermuda	3.3 (2019)	2.0 (2029)
Turks and Caicos	8.0 (2017)	5.0 (2022)
Cayman Islands	8.0 (2018)	4.3 (2028)
British Virgin Islands	8.0 (2017)	5.0 (2022)
Jamaica	4.6 (2017)	3.9 (2029)
St. Kitts and Nevis	7.0 (2019)	5.0 (2024)

# Lifetime Healthcare Costs

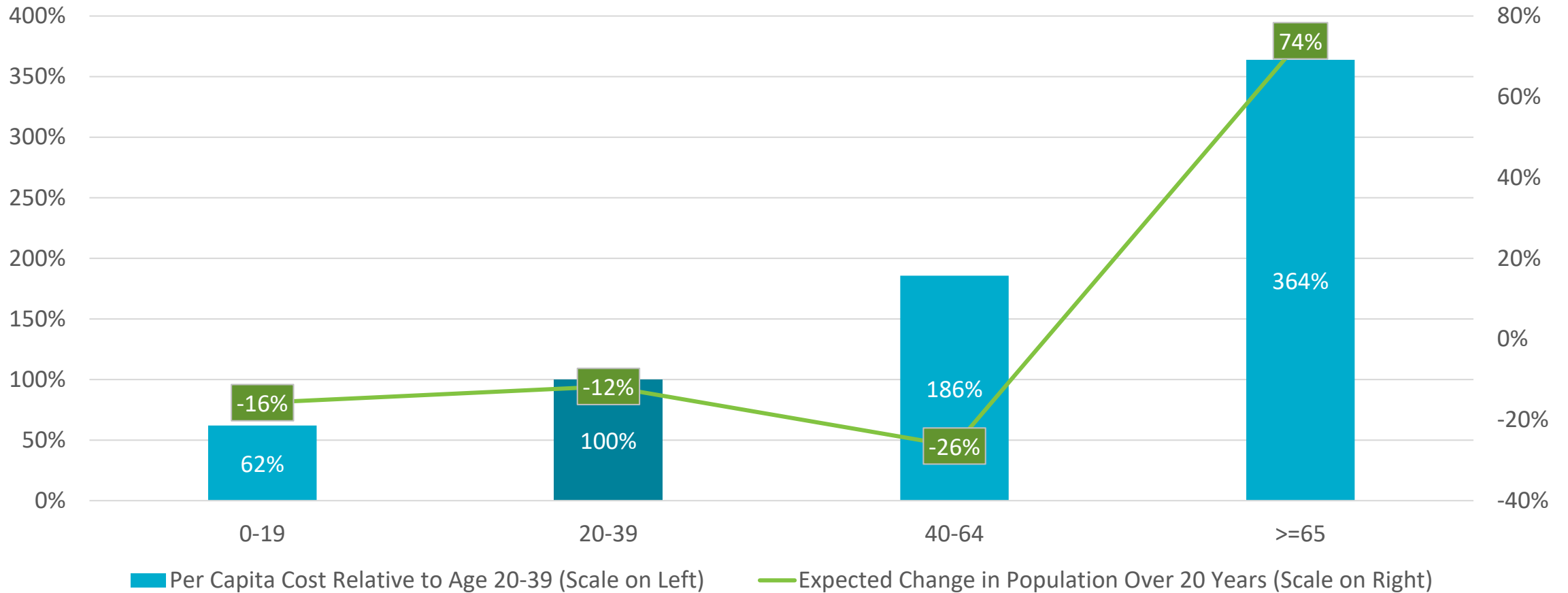




# Relative Costs by Age

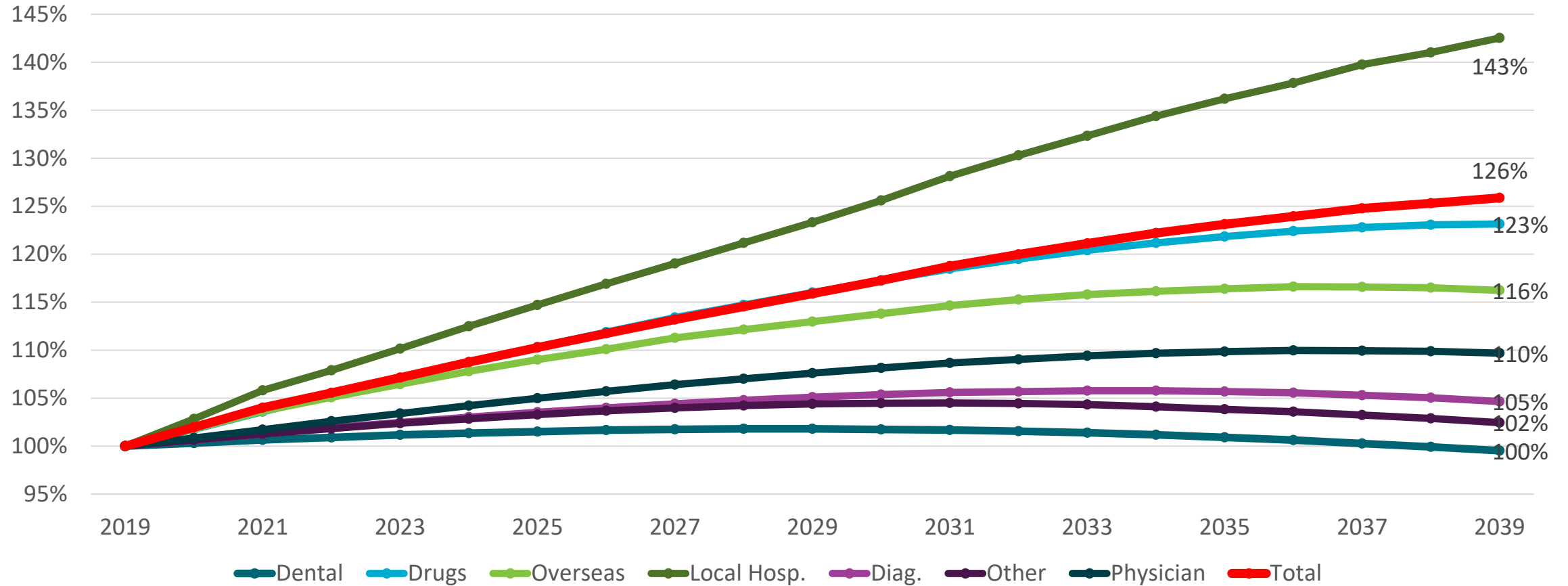
The most significant increase in population occurs across the age band that contributes to the greatest cost

Bermuda Projection



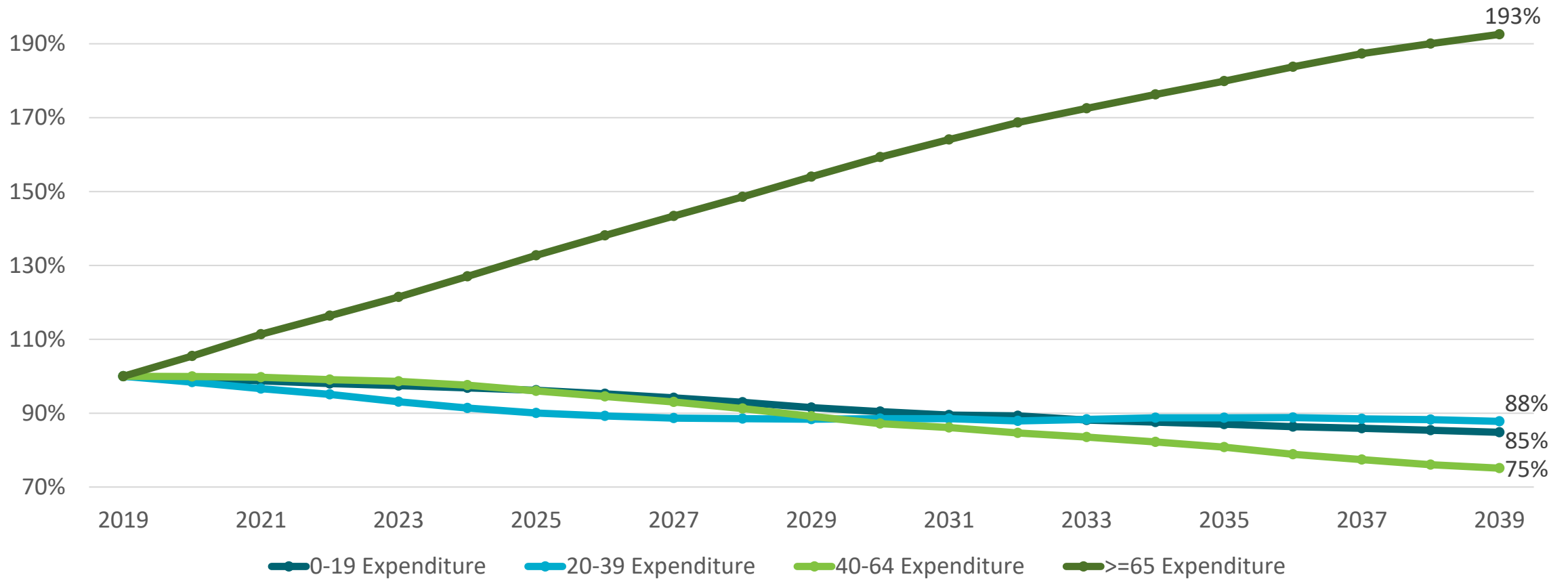
# Change in Expenditure over 20 Years

Bermuda Projection



# Change in Expenditure by Age

Bermuda Projection



# Delivery of Services

- Is there sufficient capacity within the healthcare system to deliver the care?
  - Increased number of elderly and the elderly are living longer
  - Human Capital
    - Greater utilization from the elderly
    - How will the system cope with increased demand?
    - Will there be enough practitioners to meet the demand?
  - Infrastructure
    - Prevalence of need for assisted living care in a non-residence based setting rises significantly from age 75
    - Needs range from retirement residences, skilled nursing long-term care facilities, hospital based facilities, palliative care facilities
    - Major infrastructure requires long-term planning

# Financing and Sustainability

- Recognize the problem!
- Budgeting for one year ahead is insufficient
  - Financing is a component of a risk management program
- Should healthcare financing be pre-funded?
  - Alternative sources of funding?
  - Could the pension system adapt?
- Plan reviews
  - What's covered, how are costs shared
  - How are services reimbursed
  - Alternate methods of delivery
    - Can the system deliver care in the appropriate setting and at an affordable cost
    - Use of new technologies
- Immigration?



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## Questions



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