



**(CAREC)
PAHO/WHO**

Summary of Results for the CAREC Member Country Laboratory Capacity Survey

***Serving
23 Member Countries
in the English and Dutch
Speaking Caribbean***

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Outline of Presentation

- Introduction
- Methodology
- Results
- Discussion Points



Introduction

- WHY -
 - Impact of re-alignment on countries
 - Update CMC capacity status: ensure CAREC Laboratory revised package of services relevant; prioritize areas for capacity building
 - 2009 recommendation to CAREC (Session: Sub-regional CD Surveillance)



Methodology

- How -
 - Content:
 - **Current capacity** to perform testing for 36 agents \diseases in the proposed surveillance package (Bacteriology; Parasitology; STI, Virology including EPI and those requested infrequently)
 - Participation in **EQA** schemes
 - Use of **referral laboratories**
 - Existing national network

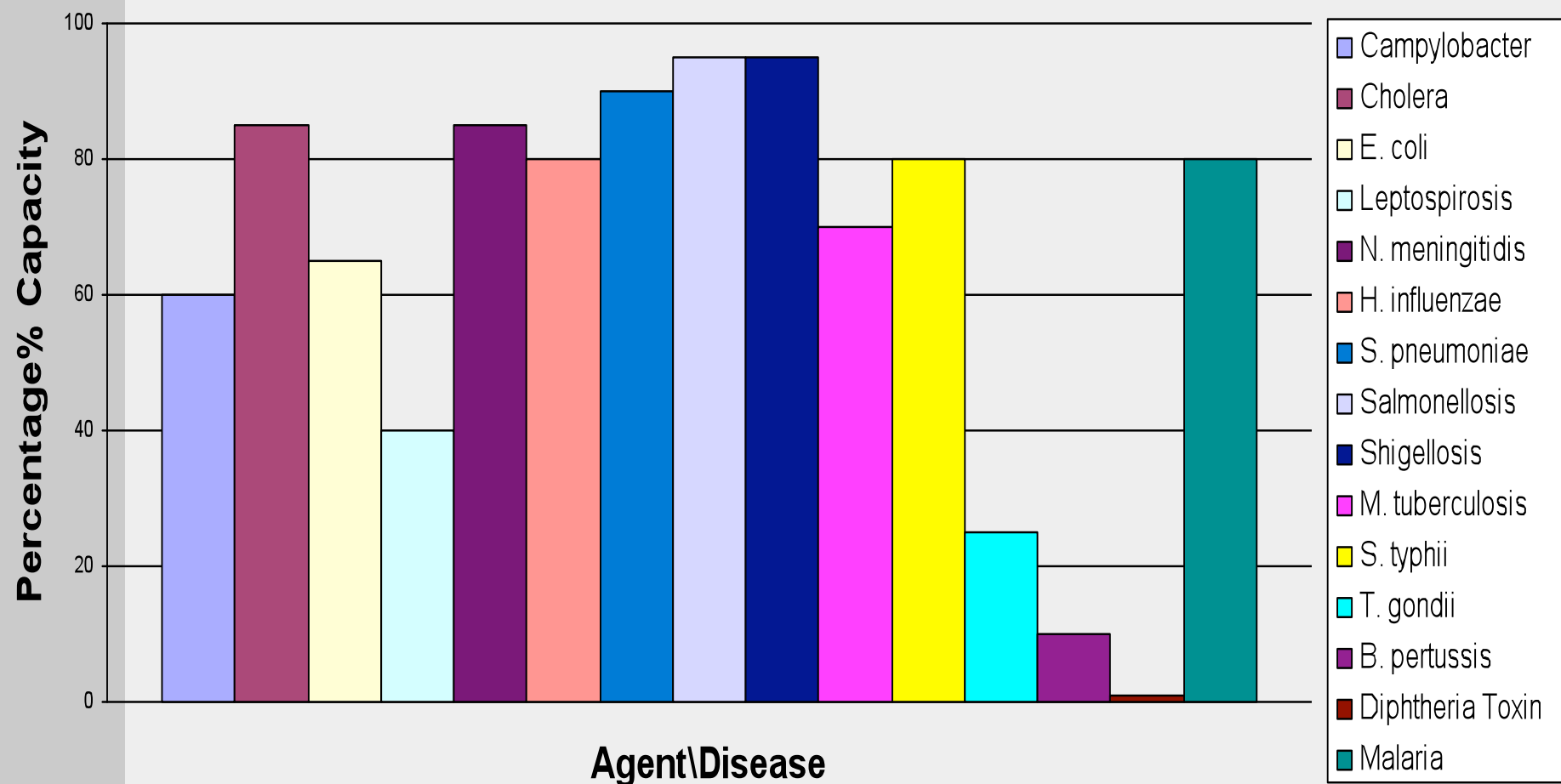
Methodology

- Administrative -
 - E-delivery; use of PWR Offices
 - TAT: 2 weeks (1st – 11th April 2011)
 - Response rate: **95%** (20 of 21 CMC)

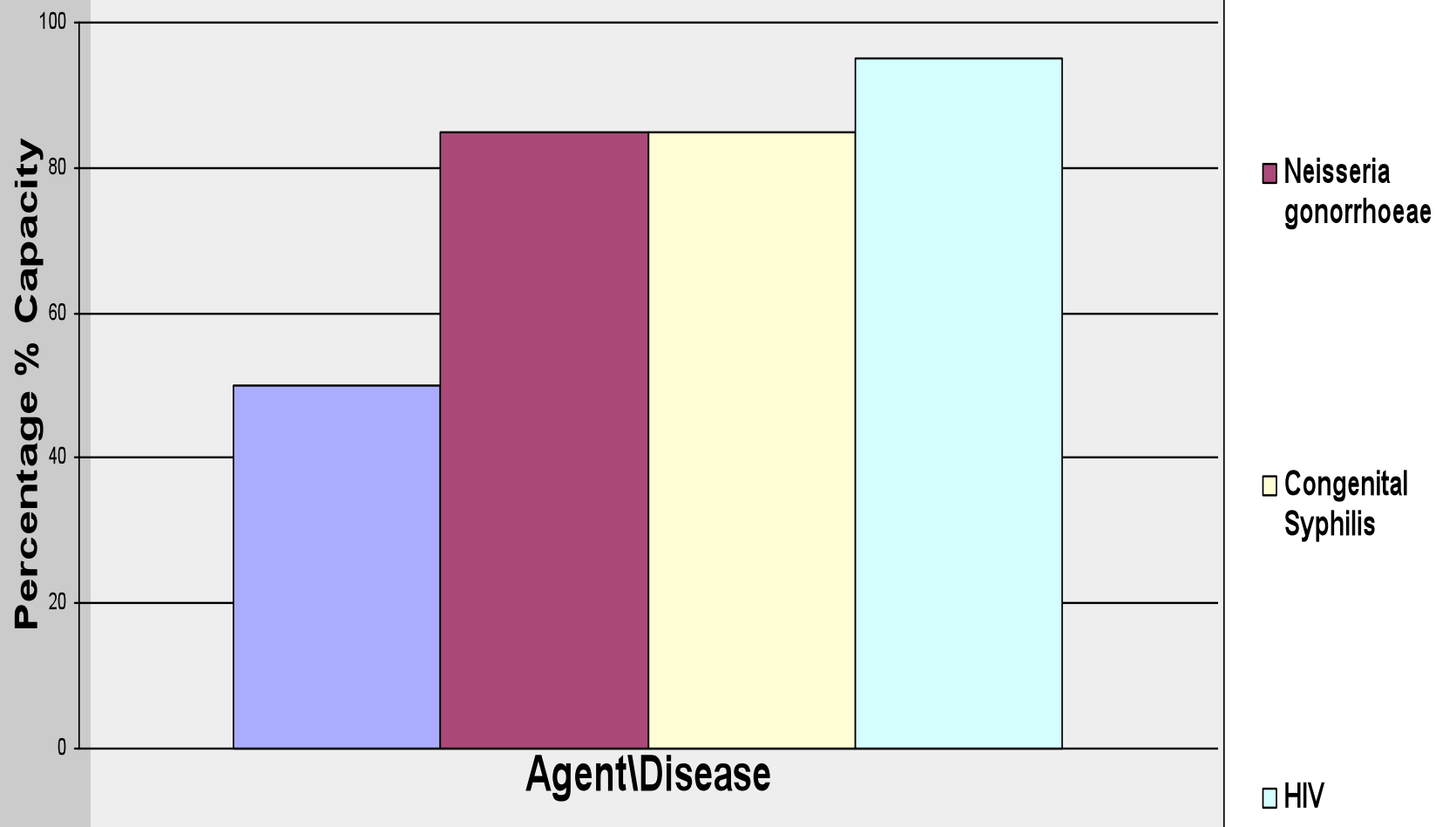
Results

- Capacity in CMC
(Bacteriology; STI; Virology, AMR & ST)
- Use of various methodologies
- Referral laboratories
- EQA Participation

Bacteriology Laboratory Capacity in Twenty (20) CMC



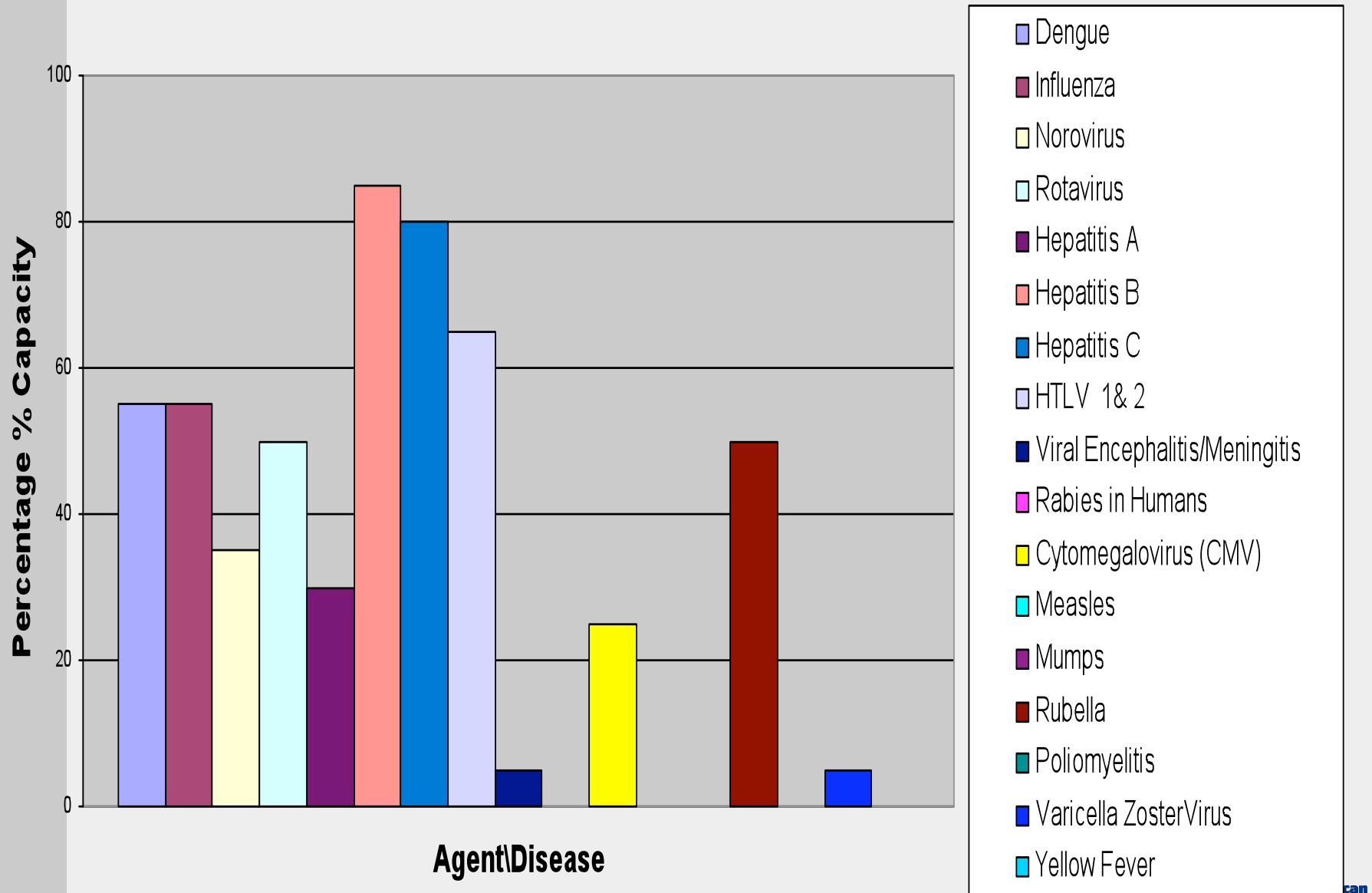
STI Laboratory Capacity in Twenty (20) CMC



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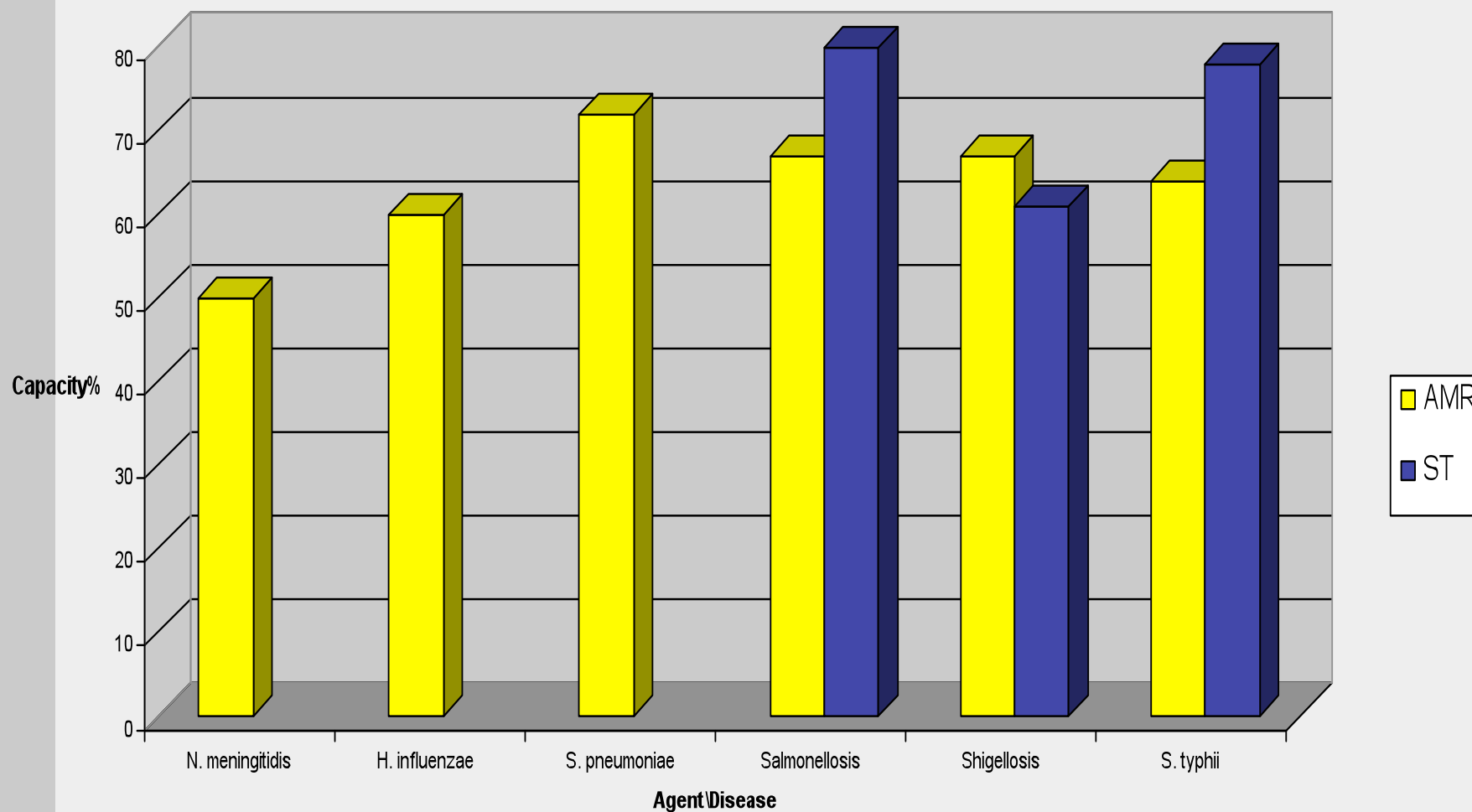
Virology Laboratory Capacity for Twenty (20) CMC



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Capacity for Serotyping and Antimicrobial Resistance Testing



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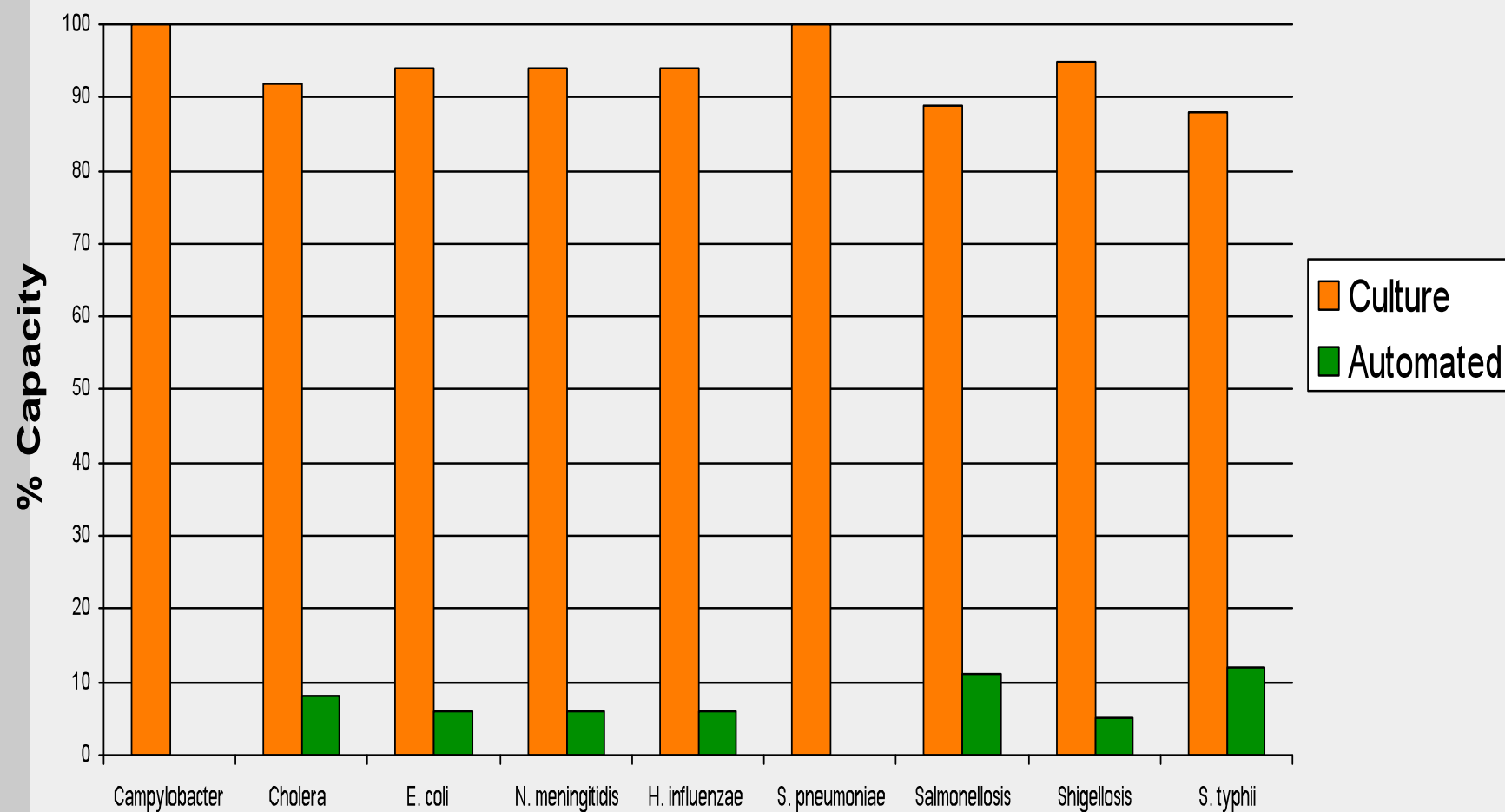


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Use of Methodologies

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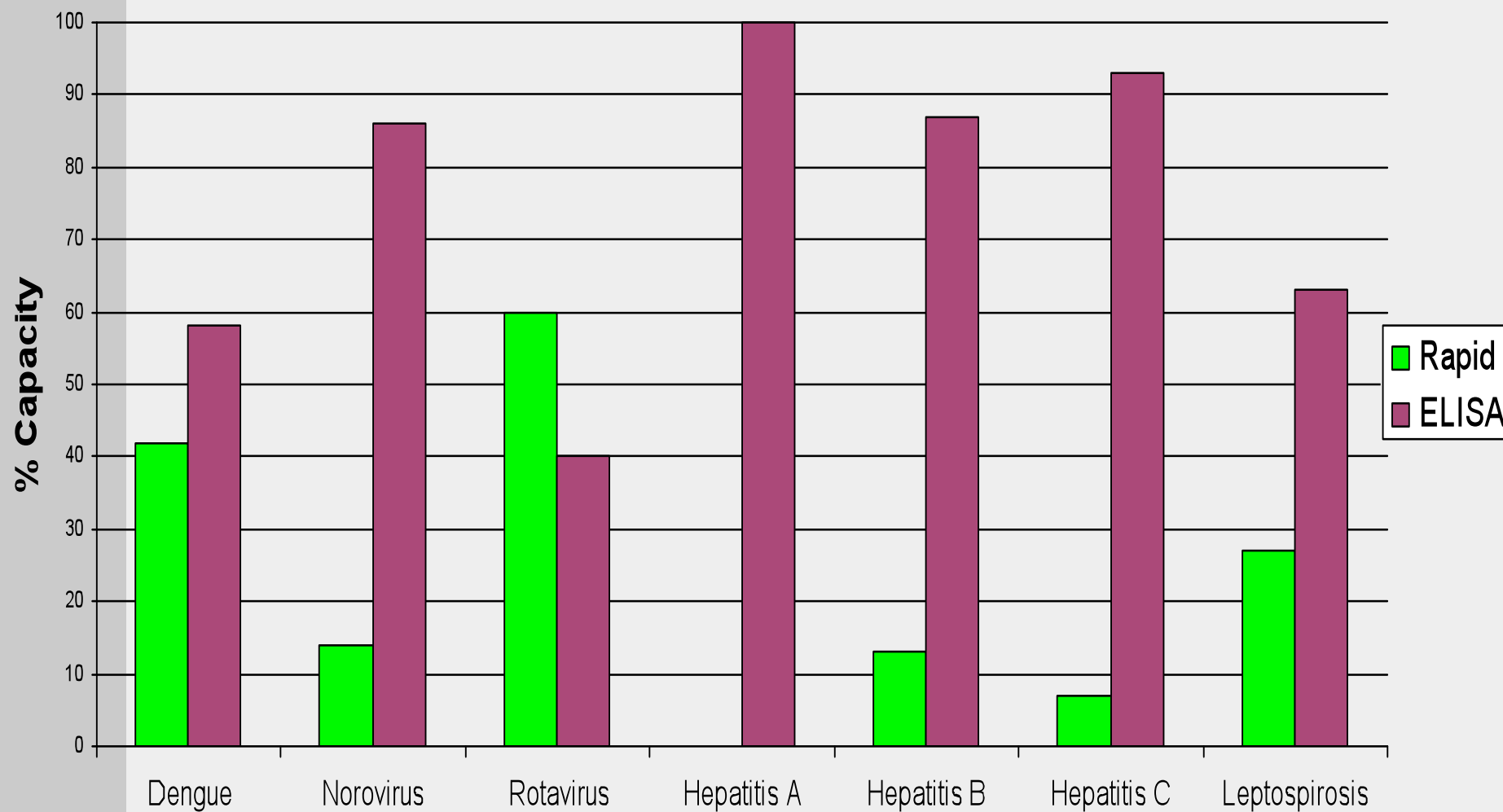
Bacteriology Methodology in CMC



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Serology Capacity in CMC



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Referral Laboratories

- CAREC - 19 CMC
 - Further characterization
 - Stop gap; rare requests
 - EPI
 - OECS mainly



Referral Laboratories

- Specialty Laboratories, USA
- LabCorp, USA
- Integrated Regional Laboratory, USA
- Quest Diagnostics, USA
- Public Health Agency Canada
- Lady Meade Reference Unit, Barbados
- St. Augustine Medical Laboratory, TT



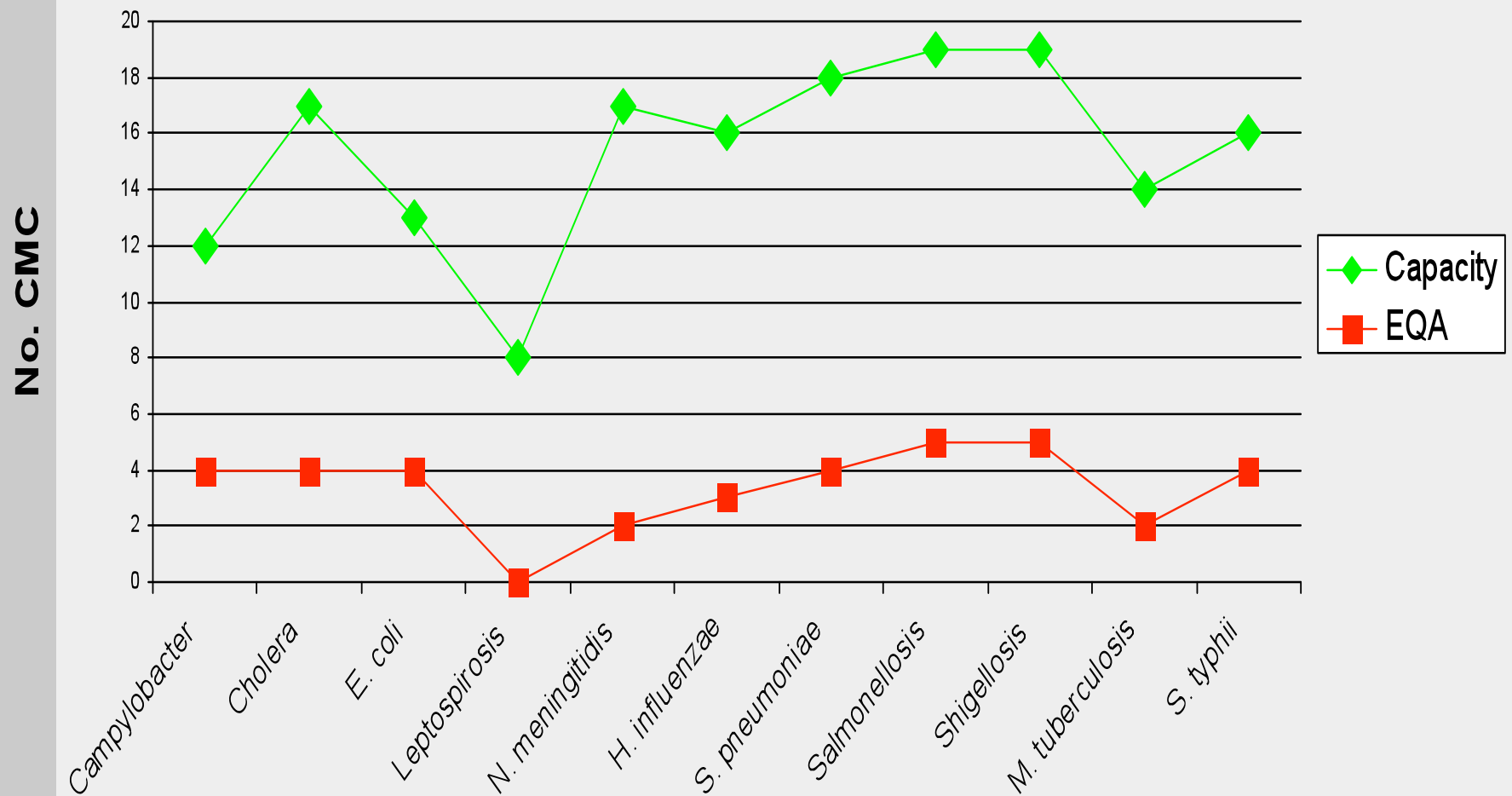


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EQA Participation

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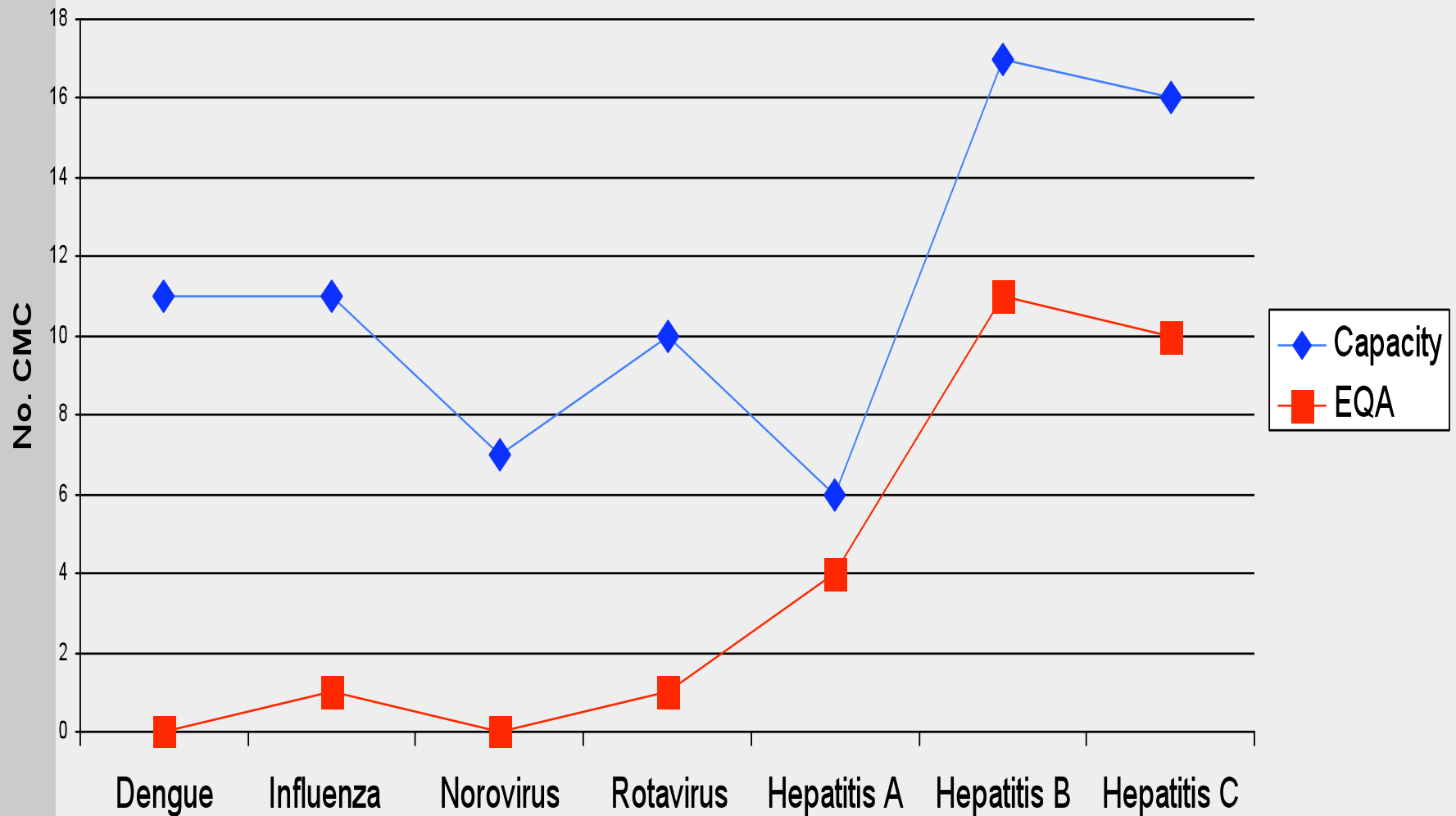
EQA Participation for Microbiology Tests



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EQA Participation for Virology Tests



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EQA Providers

- Digital PT
- Pro-Sangue, Brazil
- UKNEQAS
- CAP
- AAB
- API



Discussion

- **Capacity building -**
 - What are your priority areas
 - How can we help our colleagues improve their capacity and performance
- **EQA Participation -**
 - How do we assess our test performance
 - CAREC's role