DATA AND METHODS

Our Epidemiological Challenges
Introduction

• Deaths from Chronic disease
  – 45 to 65% over the last 5 years.

Deaths in Grenada, 2006-2010
Sources Gaps & Quality

• Surveillance data
  – Weekly tally from community health nurses

• Hospital data
  – Medical records; (births, discharged diagnosis & deaths)
  – A&E; Accidents, violence
  – Infectious Control department; weekly communicable disease dat.

• Unreliable quality
  – Paper based system
  – Human resource challenge
  – Missing data
Other surveillance

• STEPS - In progress and awaiting analysis.
  – There are preliminary concerns about the quality of the analysis due to inefficiency and gaps in data collection and quality.
  – Global youth tobacco survey
  – Global school health survey

• Grenada Heart Project

• Retina Resource Foundation of NY
Use of Data

• Minimal use of data for intervention and implementation program

• Existing data used to submit scheduled reports to regional surveillance organizations
  – Generate regional reports that are feed back to Ministry of Health
Health Care Financing

• Major funding through
  – General taxation (major source)
  – Donations, grants from friendly countries and organizations
  – International financing PAHO,WHO,UNICEF & CDB

• Supervision and control
  – Ministry of Finance & Ministry of Health under the direction of Parliament/Cabinet.

• Economic & Intervention costing
  – Major challenge requiring technical support
Barriers

• Fiscal & Human resources challenges
  – Insufficient trained personnel for data collection collation and analysis.
  – Electronic hardware and software
  – Functional public-private partnership for data collection
  – Lack of a Chronic Disease registry
Opportunities

• Heightened awareness among Health technocrats regarding the need for data

• PHC renewal in the Americas relying on PHC data to guide policy.

• Well distribution of Health Facilities
  – Adequate opportunity for data collection

• Electronic data collection system can be built from the ground up – less trouble shooting.
Urgent Data Need

• Technical Support and assistance
  – Health information system specialist
  – Training for health IT personnel

• Electronic Data collection system
  – Hardware & software