Welcome to BARBADOS
West Indies
Barbados

- **Head of State:** HM Queen Elizabeth II, represented by the Governor-General Sir Elliott Fitzroy Belgrave, CHB, KA QC
- **Prime Minister:** The Honourable Freundel J. Stuart QC
- **Minister of Health:** The Honourable John Boyce
- **Chief Medical Officer:** Dr. Joy St. John
• Barbados is a small paradise island.
• Total population is approx. 50,000
• Highest density population in the Americas.
• Total area 431 sq km
• Democratic & elected Government.
• Politically strong.
• High Income country
• Barbados dollar tied to US dollar.
  $1US$ = 1.98 BDS$.
Capital: Bridgetown
Population: 90,000
Oldest Parliament in The Americas
Geography

- Most of the island is relatively flat.
- Low and gentle hills in the interior, which rises up to 340 metres.
- All coasts have white sandy beaches and turquoise waters.
- Coral reefs surround most of the island.
Turquoise blue waters
ECONOMY

MAINLY TOURISM
Local Cruise
Beautiful Caves
VISION

INFECTIOUS DISEASES
FREE

BARBADOS
AIM

TO MAKE OUR BEAUTIFUL COUNTRY, BARBADOS

A HEALTHY, WEALTHY, GODLY AND
DEVELOPED NATION

BY
PREVENTING
INFECTIOUS DISEASES
IN
PORTS
(POINTS OF ENTRY)
BARBADOS

Major Ports :  3
Airport:  1
Seaports:  2
Your first stop in paradise:

- The Grantley Adams International Airport is now a major gateway to the Caribbean, including exotic tropical Barbados with high standards of IHR and ICAO - CAPSCA.
- Direct international flights link the island with North & South America and Europe.
- Cargo flights: All over the world
- The airport provides all the modern amenities that can be found at major international airports worldwide.
GAI Airport
Bridgetown Port
Port St. Charles
FUNCTIONS

The main function of Port Health: Prevention of infectious diseases at Points of Entry

• Enforcement of Barbados Port Health rules and regulations.
• WHO guidelines
• International Health Regulations (IHR) through - Medical, Environmental and Nursing departments.
• ICAO – CAPSCA Regulations
• Screening
• Surveillance
• Isolation
• Quarantine
BARBADOS

Action Plan

WHO’s seven (7) strategies to guide IHR (2005) implementation in Barbados
Strategy 1

GLOBAL PARTNERSHIP
FOSTER GLOBAL/REGIONAL PARTNERSHIPS

• Barbados has established global partnerships with PAHO/WHO,CDC.
• CAPSCA- ICAO
Global Partnership
Internal/International

Collaboration & Technical Support – CARICOM

- Civil Aviation
- Immigration
- Customs
- Veterinary
- Agriculture
- Travel
- Trade
- Education
- Defense
Strategy -2

STRENGTHEN NATIONAL CAPACITY
• Barbados has excellent disease surveillance, prevention, control and response systems.

• The Ministry of Health has established a Disaster Management Health Response Team.

• Senior Medical Officer (S) is a Coordinator responsible for its management with public, private hospitals, stakeholders and Ministry of Health.

• Evaluated the core capacities necessary for the public health emergencies at the points of entry.

• Core capacities strengthened since 2005 during Cricket World Cup.

• Attended Sub regional workshops and surveillance meetings to strengthen national focal points.

• Protocols revised and modified for emerging & reemerging diseases since 2005.

• New protocols developed & being developed for emerging new deadly diseases since 2008 by SMOH (N) and MOHs associated.
Strategy-2

• Barbados has had several sensitization sessions with local stakeholders on various aspects of the IHR and other diseases.

• Deadly Infectious Disease (DID) workshop and an simulation exercise was conducted in April 20013 just before the outbreak of influenza A H1N1 in Mexico.

• These sessions involved a wide-cross section of stakeholders from both the private and public sectors including disaster management, tourism, international transport & trade, civil aviation, immigration, customs, agriculture & veterinary, police and defence. It was hosted by the Medical Officers of Health of the island.

• Table to and Simulation exercises were conducted before and after the H1N1 Pandemic.

• During H1N1 pandemic, Surveillance, Prevention, Control and Response systems were fully activated. At the end it was assessed and found to be a great success.
Quarantine/Isolation STATIONS

- Bridgetown Port – completed & in operation

- Airport: New Q S Established
IHR implementation at ports, airports and ground crossings

**PREVENTION**

- Containing known public health risks
  - Routine control of “Sanitary conditions” at points of entry and conveyances

**EARLY WARNING**

- Detecting relevant health events
  - Inspection, screening, Information and verification

**RESPONSE**

- Responding to public health emergencies
  - Support to investigation and contingency plans to adopt control measures

**Risk management**

**Risk assessment**

**Event management**

Conveyances inspection programmes and control measures
Strategy 3

Strengthen public health security in travel and transport:

- The risk of international spread of disease is minimized through effective and established permanent public health measures and response capacity at points of entry.
- The regional workshops & National Workshops for health security for travelers and conveyances were held in Barbados for English speaking countries.
- The core capacity tools were placed, assessed & tested and was successful in Barbados.
Core capacity requirements at all times (routine)

(a) Assessment and Medical care, staff & equipment

(b) Equipment & personnel for transport

(c) Trained personnel for inspection of conveyances

(d) Ensure safe environment: water, food, waste, wash rooms & other potential risk areas - inspection programmes

(e) Trained staff and programme for vector control
Medical Equipment & Transport

• Transport of ill persons by Gov’t & Private ambulances.
• G.A.I. Airport Inc has a special arrangement (ambulance) on site for non-communicable diseases.
Strategy 3

- Event Management System was adapted for use in the National Focal Points and operational guidelines were prepared.
- Our Port Health Officers were trained in ship sanitation inspection procedures and issuance of ship sanitation control certificates.
- Trained in Miami, USA and England.
Assessment & Medical Care, Staff and Equipment

Infectious diseases e.g. Norovirus, H1N1, ILI

- Specially trained staff placed in designated places.
- Transport vehicles are disinfected.
- Patients are reviewed by Polyclinic personnel.
- Room cleaned and disinfected using recommended chemicals. (CDC guidelines)
- Protocols are developed and in place.
CORE CAPACITY REQUIREMENTS FOR DESIGNATED POINTS OF ENTRY (PoE)

- BARBADOS QUARANTINE ACT, 1947 COVERS MANY OF ARTICLES IN IHR
- CORE CAPACITY REQUIREMENTS ARE EXTERNALLY DRIVEN.
- FOUND IN ANNEX 1 IHR 2005
- ARTICLES 19, 20, 21, 23, 24, 27, 34 & 34
- ICAO- CAPSCA – Annex 9, 6, 11, 14, 18
- BARBADOS THE QUARANTINE ACT being revised TO SUIT IHR and ICAO - CAPSCA.
Ensure safe environment: water, food, waste, wash rooms & other potential risk areas - inspection programmes

INSPECTION PROGRAMMES:

• Water samples go to the laboratory twice daily for analysis.
• Regular meetings with potable water stakeholders at points of entry.
• Regular food handling establishment inspection programme including BFK.
• Daily Inspection Programme for PoE by the Ministry of Health and stakeholders.
Trained staff and Programme for Vector Control

- Trained staff provide vertical programmes for vector control
- An integrated pest management programme is being planned with EHS Vector Control for PoE including trapping to identify various vectors present at PoE.
- Birds in Bridgetown Port
Strategy 4

Strengthen WHO global alert and response systems

- The Ministry of Health has established global alert and response systems through PAHO’s regional office and CARICOM Health Desk.
- Chief Medical Officer, Senior Medical Officers of Health, Medical Officers of Health were updated periodically.
- An Alert Responsive team has been established in the Ministry of Health. The Senior Medical Officer of Health (N) and her team is responsible.
- In an event, the Alert management team holds daily sessions to review and assess the risk/s. If it is of significance, alert notice will be released.

- Risks assessment and response coordination of public health emergencies of international concern are updated periodically to the concerned departments.
Strategy - 4

Ministry of Health has established a network & data entry system. The risk assessment, decisions, and interventions will be carried out accordingly. All Port Health departments were connected to modern electronic facilities. (e.g. High speed internet and tele-communications devices)
Pandemic Strain Emergence: Direct Infection vs. Reassortment

Avian Reservoir
Avian virus

Direct Infection

Human virus

other mammals?
New reassorted virus
STRATEGY 5

Strengthen the management of specific risks:

- Systematic international and national management of the risks known to threaten international health security.
- Influenza, meningitis, yellow fever, SARS, poliomyelitis and food contamination risk managements were strengthened.
- Sensitized Newly Emerging Novel H7N9 & Corona viruses
- Chemical and radioactive substances risk managements activities are on the way with concerned stake holders.
Strategy – 5
Strengthen the management of specific risk.

• Barbados established National and International management of risks which threaten international security. e.g. H1N1 pandemic.

• A new section of epidemiology and risk assessment and intervention management team has been established during the pandemic season in the National Epi & Surveillance division to assist the risk management.

• A special guidelines and protocols were prepared for port Health.
Management of Specific Risks

Specific risks assessment will be done by the Port Health Department.
For further medical assistance, the passengers will be sent to QEH, private hospitals, Primary Health Care Institutions (Polyclinics) or General physicians. Specific Risks assessment protocols are developed and are in place.
Strategy 6
Legal Issues and Monitoring

• Sustain rights, obligations and procedures:

• Barbados is well aware of the legal mechanisms set out by the WHO.

• Ministry of Health Officials attended the first workshop of legal advisers from English-speaking Caribbean countries which was held in Barbados in 2009.

• The Ministry officials determined the priority areas WHO guidelines and decided to accelerate the amendment process with the Attorney General’s office and PAHO soon.
LEGAL ISSUES & MONITORING

Revision of legislation to:

- implement best practices for food Industry & imported foods.
- Guarantee human rights, Ship Sanitation Certificate programme & other aspects of IHR.
Lovely Environment
STRATEGY 6

Sustain rights, obligations and procedures

• New legal mechanisms as set out in the Regulations which are fully developed and upheld; all professionals involved in implementing IHR (2005) have a clear understanding of, and sustain, the new rights, obligations and procedures laid out in the Regulations.
STRATEGY 7

Conduct studies and monitor progress:

• In Barbados, indicators are identified and collected regularly to monitor and evaluate IHR (2005) and ICAO - CAPSCA implementation.

• Port Health Reports are delivered to the Ministry of Health periodically.

• The Ministry of Health reports on progress to WHO/PAHO and the World Health...
Radio Nuclear
THANK YOU

Dr. R. A. MANOHAR SINGH
MEDICAL OFFICER OF HEALTH – PORTS
BARBADOS.
WEST INDIES.