Results-based financing and NCDs An overview of the WB work in the Caribbean

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Outline of the presentation









What are we doing?

Design and challenges

Health challenges in emerging markets...

Rise in noncommunicable diseases

such as cardiovascular disease, cancer, respiratory illnesses and diabetes, make up the largest contribution to mortality in most low-income countries and globally.



Chronic conditions require a different skill and workforce mix, centered around primary care. This means fewer hospital specialists, but more nurses and other health professionals.

Increasing costs and expectations

Ageing populations, more advanced and costly technology and increasing expectations from patients.





What are we doing?

Design and challenges

do not vary significantly...



Lack of infrastructure

Many low-income countries lack the facilities necessary to provide basic health care services and products.

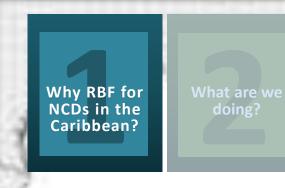
Shortage of trained staff

Many low-income countries have a shortage of adequately trained staff to meet the needs of the population.

Limited resources

Resources from all sources are limited which means that governments increasingly need to do more with the same amount of resources.







and the Caribbean is no exception

- √ Rise in non-communicable disease burden
- ✓ Financial burden is increasing and will increase more
- ✓ Spending in health is relatively low and not optimally allocated
- ✓ Shortage of trained medical and nursing staff



Some data to keep in mind...

Burden of Disease: around 70% of Years of Life Lost in the Caribbean due to NCD (global avg. 50%)



Erosion of the countries' workforce and productivity and increase vulnerabilities of the Caribbean population

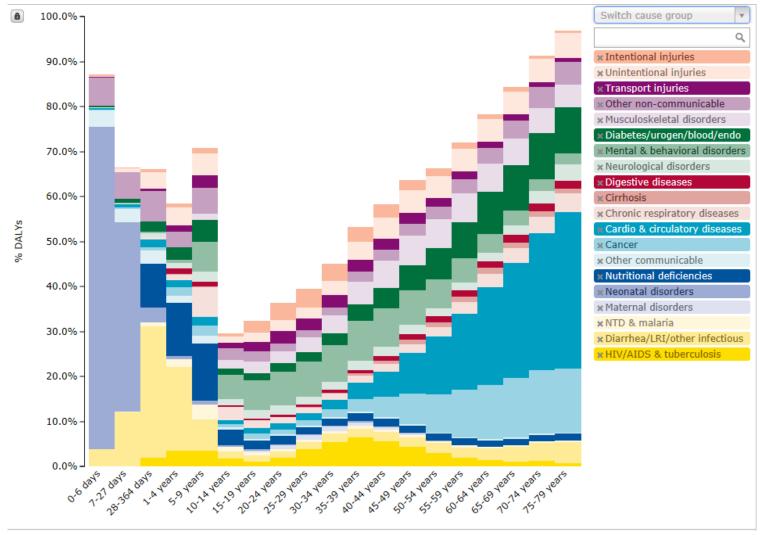
High Expenditure. NCD patients spend 36% of total household expenditure for care



Heavy burden on limited resources for both governments and households



Substantial BOD due to NCDs in the Caribbean





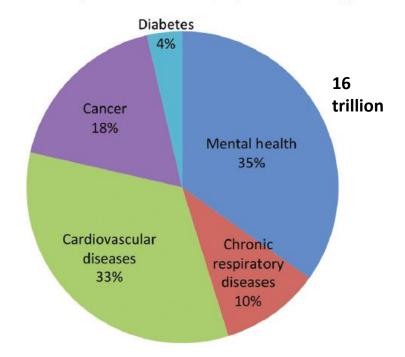
Risk factors have worsened...

- -Overweight/Obesity 38.4% males, 65.3% females to be obese by 2015.
- -Physical Inactivity levels due to urbanization and sedentary lifestyles
- -Smoking responsible for at least 10% of all deaths in the Caribbean.
- -Excessive alcohol consumption common across the Caribbean and in poorer households



Lost output due to the five conditions ≈ US\$ 47 trillion

Lost Output 2011-2030, by disease type



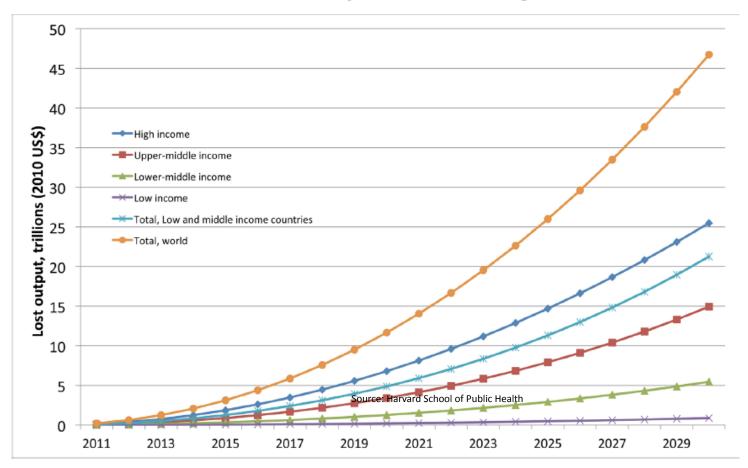
In low and middle income countries cumulative economic losses in the period 2011-2025 are estimated to surpass nearly US\$ 7 trillion.

That means...

- Average of nearly US\$ 500 billion per year
- Yearly loss equivalent to approximately 4% of these countries' current annual output



Projections get worse...

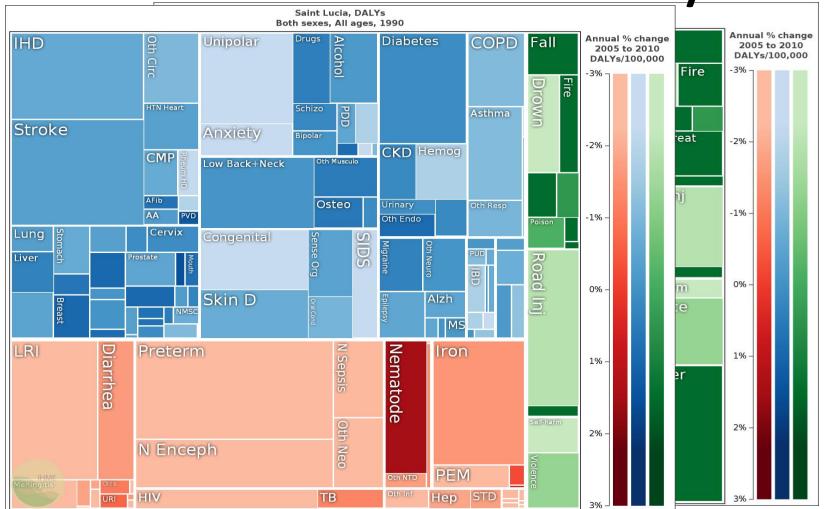




WHAT HAVE WE DONE SO FAR IN THE CARIBBEAN?



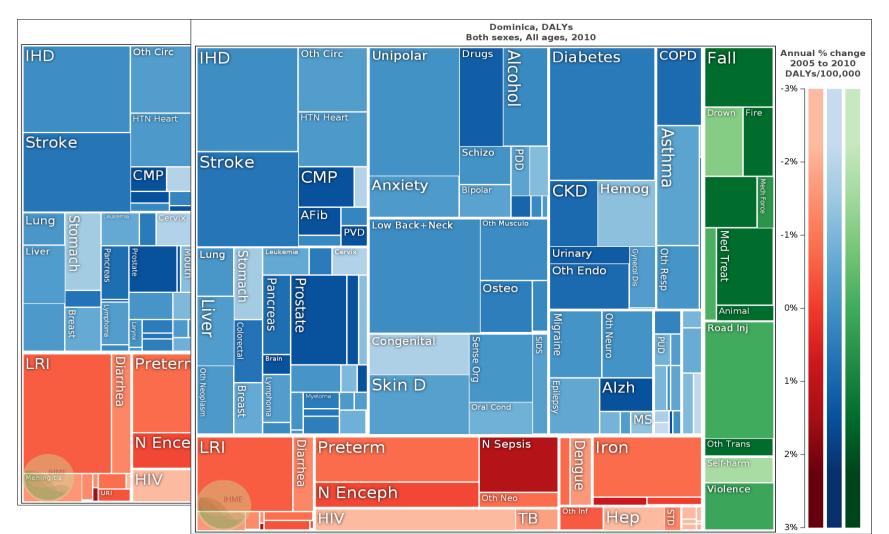
BOD Saint Lucia 1990/2010







BOD Dominica 1990/2010









ASSESSMENT

NCD:

Dominica and Saint Lucia situational analysis



CONVENING

RBF:

S2S Exchanges to Pilot RBF to address NCDs



Potential
Regional
Operation for
NCDs

2012

2014



Phase 1: ASSESSMENT

Situational analysis in Saint Lucia and Dominica



Recommendations for Piloting RBF approaches in the Dominica and Saint Lucia health sector



Financing for piloting RBF for NCDs in SL and Dom

PILOT IN SAINT LUCIA AND DOMINICA

- Jan 2012: RBF awareness raising workshop
- Nov 2012: Incountry consultation
- Expectations!

- Analysis of financing options
- Assessment of organizational arrangements and HIS and M&E
- In-country discussion of results

Securing of WB TF for piloting RBF



Phase 2: Knowledge exchanges

ARGENTINA
(NOV 2013)

DOMINICAN
REPUBLIC
(JAN 2014)

BELIZE
(FEB2014)

PILOT IN SAINT LUCIA AND DOMINICA

- FESP Project
- Plan Nacer
- Fiduciary arrangements (audit)
- PARSProject
- Information system
- Pay-forperformance scheme





Essential Public Health Functions Project

- Strengthen the stewardship of National and Provincial Authorities
- Reduce exposure of population to risk factors associated to NCDs
- Expand coverage of 7 Groups of Diseases and Prioritized Public Health diseases
- Strengthen Health Promotion, Healthy habits and lifestyles and community participation

How they use RBF?





PUBLIC HEALTH ACTIVITIES - WHAT ARE THEY?

- Group of actions aimed at strengthening and improving public health results
- Effective and standardized activities, with measurable and justifiable value.
- At design:

Identify operational unit costs of delivering PHAs

At implementation:

Identify and agree on annual targets to be achieved Define protocols for each PHA and for the External Audit





- Safe Blood Program : Increase voluntary blood donations
- How the Project tracks the indicator:
 - 1) Traditional Financing: Construction of a regional blood banks
 - 2) Eligible Medical Supplies: Procurement of reagents to screen blood
 - 3) RBF PHA:
 - Blood donation operatives by regional blood banks (25 donors)
 - Unit of measurement: # of operatives
 - Unit cost components: professionals and technicians extra time, travel and meals, promotion materials, data collection
 - Unit cost: UDS 870

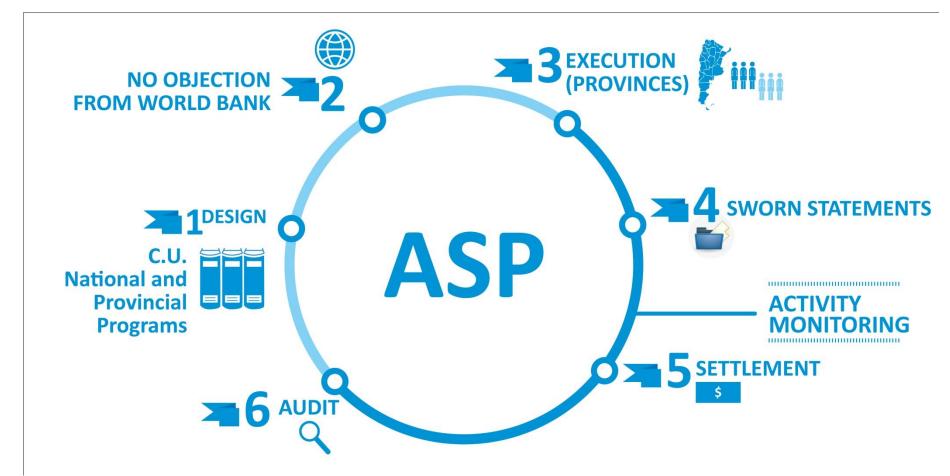








LIFE CYCLE OF PHAs









mantecas, cremas, etc.)

IMPORTANTE:

ARGENTINA

Partnerships with the **Argentina Association** of Bakeries towards salt reduction

7,000 out of 28,000 bakeries engaged in salt reduction strategy





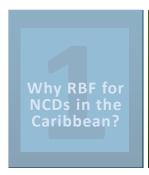
-Sal +Vida





WHY PHAs?

- Improve need for strategic planning
- Collaborate with progress of identification of population
- Foster allocative efficiency
- Improve data quality
- Introduce reimbursement on the bases of public health results



Before

Plan Nacer

 Implicit universal public coverage.

 Financed through public **budget**.

coverage gaps.

Quality and





 Explicit coverage of prioritized services for the population without formal insurance.

Plan Nacer

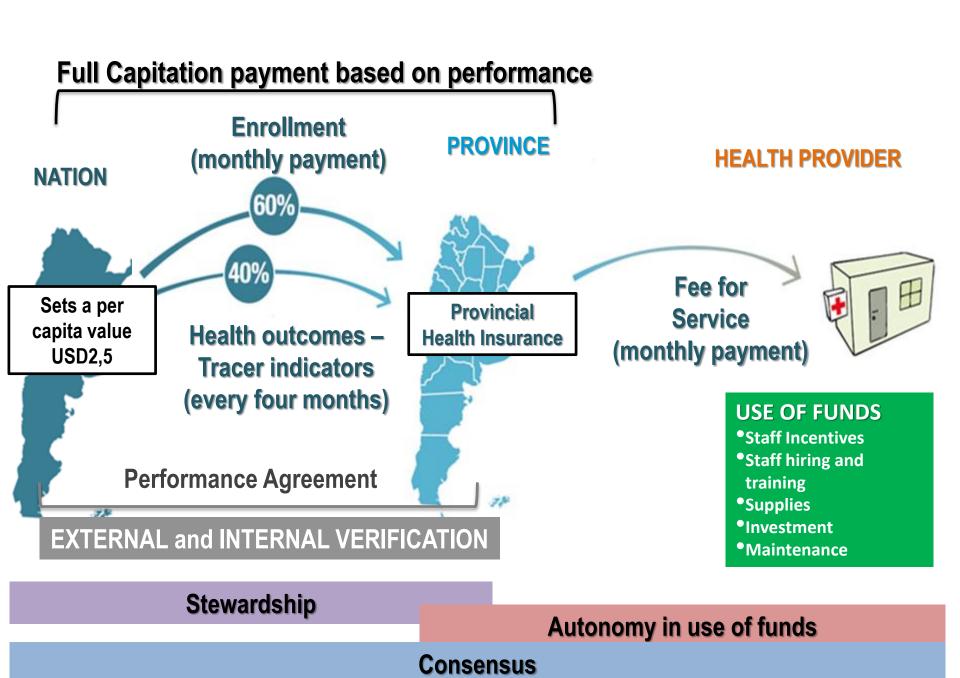
- Additional investment through RBF
- Quality driven strategy.

ARGENTINA

Final Objetives

Improve the health status of population

Increase satisfaction



Virtuous cycle promoted by the Program



✓ Health care is provided to the population

✓ Improvements in health care



✓ Additional resources to health providers √ Health professionals complete the medical records



✓ Administrative staff bill the health services



PROVINCIAL MANAGEMENT UNIT

- ✓ Verification and Payment
 - **✓** Tracers measurement

✓ Ex post Verification





RBF thru Health Sector Reform Project

- ☐ Supports GODR overall goal: improve quality of health expenditures & health services
- ☐ Primary Health Care focus
- ☐ Performance based contracts between MOH and Regions, in coordination with NHI
 - 50% = capitation for essential health services package
 - 50% = regional performance for 10 indicators (MCH & comm. diseases; NCDs) of coverage & quality



DOMINICAN REPUBLIC

- ☐ Fosters results-oriented & learning culture
- ☐ Improvements: data recording & info verification systems/mechanisms
- □ RBF regions account for ~ 81% of Clinical Mgt. System (CMS) entries nationwide
- Notable progress in indicators (2011 to 2013)
 - % children < than 15 mos. w/ complete vaccination scheme acc. to protocols: 0.01 to 46.7</p>
 - % of pregnant women monitored for risk acc. to protocols: 0.43 to 18.8
 - % of children monitored for growth & devt. acc. to protocols: 0.27 to 25.8
 - % of individuals > 18 years w/ hypertension screening acc. to protocols: 0.89 to
 45.2



AFTER ASSESSMENT....DECIDE!

Phase 3: Designing the pilot

What to reward

DECIDE

Who to reward

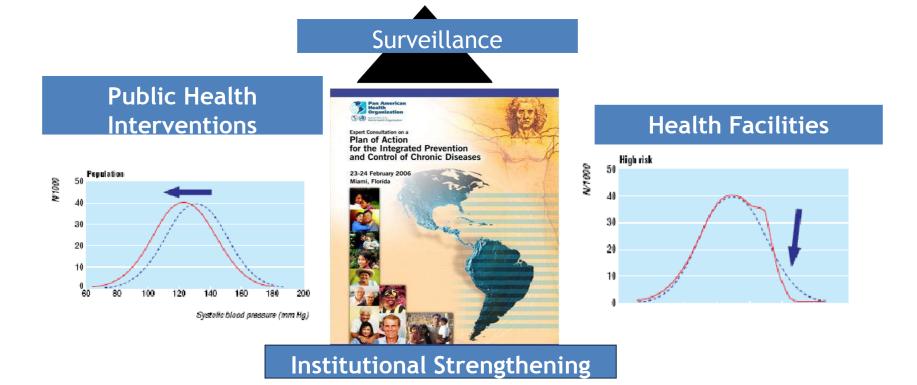
How much to reward







Strategies for Prevention and Control of NCDs Focus: DIABETES and HYPERTENSION





Assessment of existing tools, guides & protocols











Provider payment models



Paying for

outputs



Paying for performance



- Line item budgets
- Fee-for-service

• Feefor-

service

- DRG
- **Capitation**

P4P

- Mixed models
 - ✓ Full capitation with performance incentives
 - ✓ Episode-based payment with performance incentives

Paying for outcomes/results



2 proposed Components for RBF pilot for NCDs for Saint Lucia and Dominica:

1) Output Based Disbursement (PHA or P4P)

2) Capitation



1) Output Based Disbursement

Payments for Public Health Activities on a production basis

Payment = Costs of activities * quantity of activities





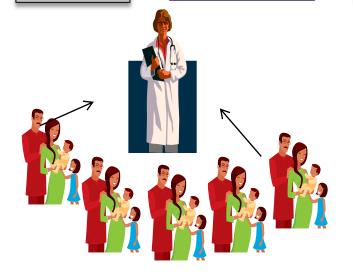


2) Capitation

Fixed payment
to a Provider to
Deliver all
Services in a
Defined Package
for one
Individual for a
Fixed Period of
Time

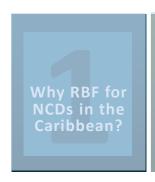
Base Per Capita Rate # of
People
Enrolled
with that
Provider

Adjustments



X

Patients are linked to a provider for a fixed period of time







Who are the stakeholders involved?

Ministry of Health (MOH)

- Define Protocols
- Budget allocation

Chief Health Planner (CHP)

- Establish goals
- M & E
- Determine allocation to clinics

Clinics

- Enroll target population
- Provide services
- Report clinic records
- Allocate funds



DECISIONS TO MAKE:

SF = 30% * (K *PE) + 70% *(K * PE * GA)

PE = number of target population enrolled

K = Capita

GA = Percentage of Goals Accomplished

Allocation of funds

Decision 1: Population to cover

Decision 2: Amount of the Capita. Significant enough to change behaviour

Decision 3: Type of indicators

Decision 4: Definition of elegible items



TO KEEP IN MIND....

<u>CLEARLY DEFINE THE GOAL OF THE PROJECT</u>: Standardization of care or Reduction of Incidence of Diabetes and Hypertension?

Do we want to improve the quality of life through the effective management of Diabetes Mellitus & Hypertension?

Or Improve the effective standardization of care in the approach to the management of NCDs and the reduction of the incidence and complications among the population?



CHOOSE YOUR TARGET POPULATION for each specific intervention

<u>Indicators</u>: Need to be measurable and attainable within the project timeframe. If using PHAs, align them with result indicators

Given the importance of quality assurance, consider selecting initial indicators that would focus on updating of and training on protocols and dedicating HR to enforce compliance

PHA: Need to develop guidelines and protocols for each PHA as well as information systems for record-keeping



<u>IMPLEMENTATION ARRANGEMENTS:</u> ASSESS RBF IMPACT AT THE SYSTEM LEVEL

-Decentralized system in Dominica will require funding for RBF allocated to the districts and managed at that level.

-Centralized system in Saint Lucia: few organizational changes due to RBF. The MOH will remain the payer of services through the Primary Health Care Services.

<u>HUMAN RESOURCES:</u> RBF scheme may result in a redistribution of personnel

Thank you! Carla Pantanali cpantanali@worldbank.org

