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Challenges and goals for 2025: achieving the NCD targets in the Caribbean

Noncommunicable Diseases & Mental Health (NMH)

Forum of Key Stakeholders on NCDs: Advancing the NCD agenda in the Caribbean. Jun 8-9, 2015

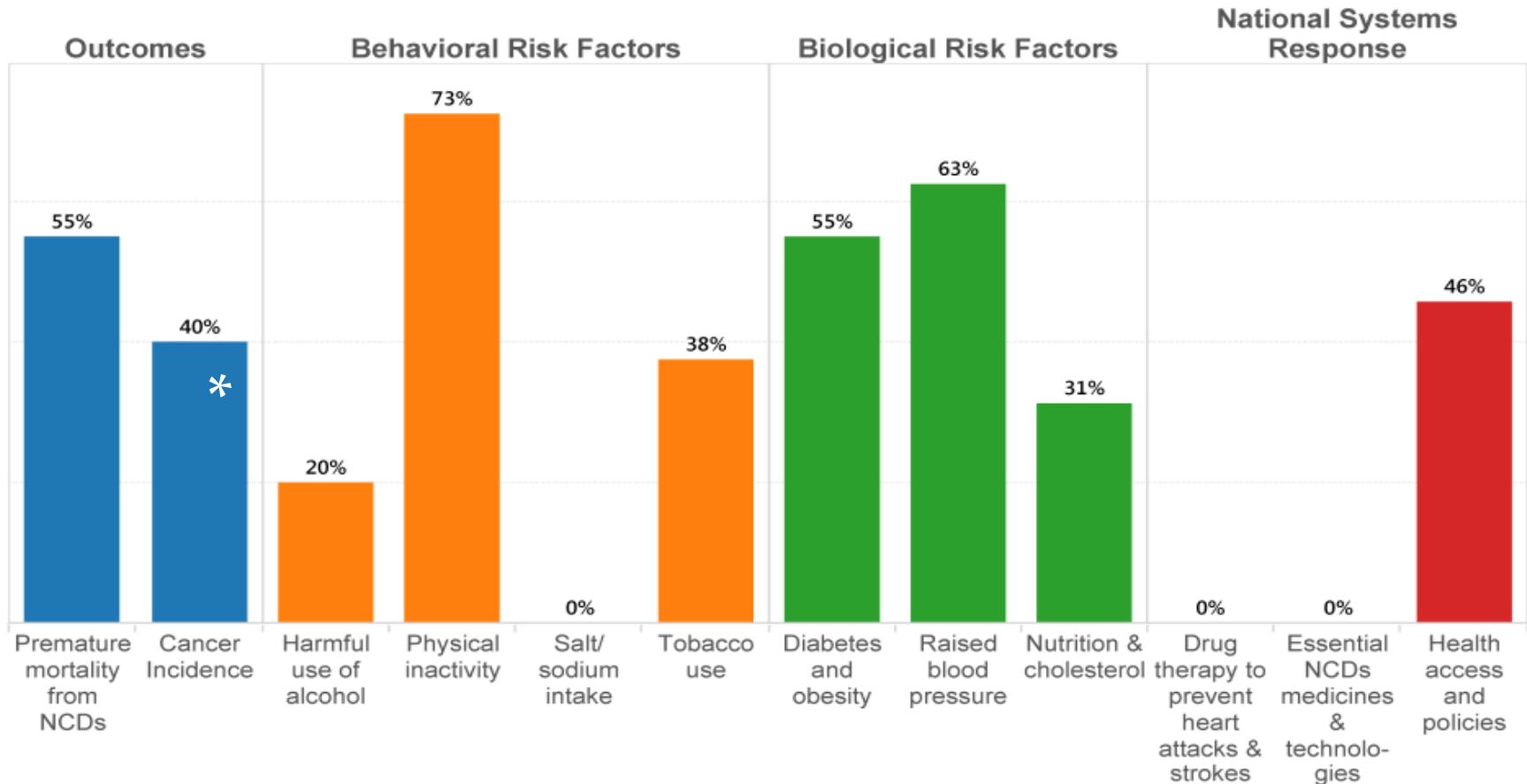
GLOBAL MONITORING FRAMEWORK FOR NCD – 9 TARGETS & 25 INDICATORS

	Mortality & Morbidity	Risk Factors					National Systems Response		
		BEHAVIORAL			BIOLOGICAL				
Targets									
	25% reduction	10% reduction	10% reduction	30% reduction	30% reduction	25% reduction	0% increase	50% coverage	80% coverage
	Premature mortality	Harmful use of alcohol	Physical inactivity	Salt/sodium intake	Tobacco use	Raised blood pressure	Diabetes & obesity	Drug therapy (heart attacks & strokes)	Essential meds. & basic tech.
Indicators	1. Chronic diseases 2. Cancer	3. Alcohol consumption 4. Heavy episodic drinking 5. Alcohol-related morbidity and mortality 6. Adolescent physical inactivity 7. Adult physical inactivity 8. Salt intake 9. Adolescent tobacco use 10. Adult tobacco use			11. a) Raised blood pressure 11. b) Mean systolic blood pressure 12. Diabetes 13. Adolescent overweight and obesity 14. Adult overweight and obesity 15. Saturated fatty acids intake 16. Low fruit and vegetable intake 17. a) Raised total cholesterol 17. b) Mean total cholesterol concentration		18. Drug therapy 19. Medicines and technologies 20. Palliative care 21. Saturated and trans fats 22. HPV vaccines 23. Marketing of foods to children 24. Hepatitis B vaccines 25. Cervical cancer screening		

GMF Indicators: reporting capacity in the Caribbean



Data Completeness by GMF Component & Categories



Source: Noncommunicable Diseases and Mental Health (NMH), Pan American health Organization (PAHO), 2015

* Globocan estimates



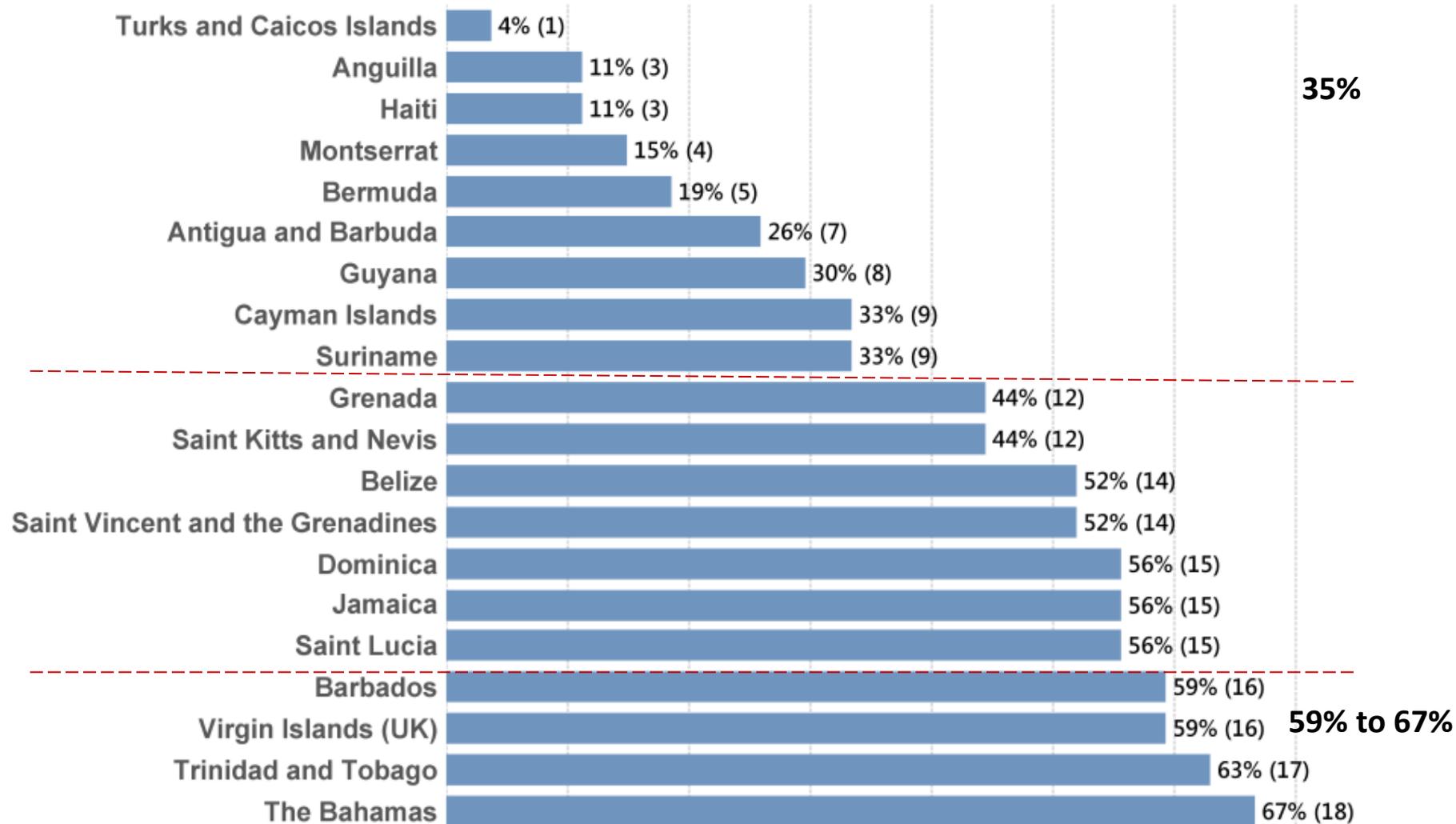
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Data Completeness by Country



Source: Noncommunicable Diseases and Mental Health (NMH), Pan American health Organization (PAHO), 2015

Data Gap by Indicator and Country

0%  100%



Country (Display)	Outcomes		Behavioral Risk Factors				Biological Risk Factors			National Systems Response		
	Premature mortality from NCDs	Cancer incidence	Harmful use of alcohol	Physical inactivity	Salt/sodium intake	Tobacco use	Raised blood pressure	Diabetes and obesity	Nutrition & cholesterol	Drug therapy to prevent heart attacks & strokes	Essential NCDs medicines & technologies	Health access and policies
Anguilla	Red	Red	Red	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Yellow
Antigua and Barbuda	Blue	Red	Red	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Light Blue
Barbados	Blue	Blue	Yellow	Blue	Red	Yellow	Blue	Blue	Orange	Red	Red	Light Blue
Belize	Blue	Blue	Yellow	Blue	Red	Yellow	Blue	Blue	Red	Red	Red	Yellow
Bermuda	Red	Red	Yellow	Yellow	Red	Red	Yellow	Red	Yellow	Red	Red	Red
Cayman Islands	Red	Red	Yellow	Blue	Red	Red	Blue	Yellow	Orange	Red	Red	Yellow
Dominica	Red	Red	Yellow	Blue	Red	Yellow	Blue	Blue	Light Blue	Red	Red	Yellow
Grenada	Blue	Red	Yellow	Blue	Red	Yellow	Blue	Yellow	Orange	Red	Red	Yellow
Guyana	Blue	Blue	Red	Yellow	Red	Yellow	Red	Light Blue	Red	Red	Red	Orange
Haiti	Red	Blue	Red	Red	Red	Yellow	Red	Yellow	Red	Red	Red	Red
Jamaica	Blue	Blue	Red	Blue	Red	Yellow	Blue	Blue	Yellow	Red	Red	Yellow
Montserrat	Red	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Yellow
Saint Kitts and Nevis	Red	Red	Yellow	Blue	Red	Yellow	Blue	Light Blue	Orange	Red	Red	Yellow
Saint Lucia	Blue	Red	Yellow	Blue	Red	Yellow	Blue	Light Blue	Light Blue	Red	Red	Yellow
Saint Vincent and the Grenad..	Blue	Red	Yellow	Blue	Red	Yellow	Blue	Light Blue	Light Blue	Red	Red	Orange
Suriname	Blue	Blue	Red	Yellow	Red	Yellow	Red	Yellow	Red	Red	Red	Light Blue
The Bahamas	Blue	Blue	Yellow	Blue	Red	Yellow	Blue	Blue	Light Blue	Red	Red	Light Blue
Trinidad and Tobago	Blue	Blue	Yellow	Blue	Red	Yellow	Blue	Blue	Yellow	Red	Red	Light Blue
Turks and Caicos Islands	Red	Red	Red	Red	Red	Yellow	Red	Red	Red	Red	Red	Orange
Virgin Islands (UK)	Red	Red	Yellow	Blue	Red	Yellow	Blue	Blue	Light Blue	Red	Red	Light Blue

Efforts to narrow the data gap in the Caribbean

Strengthening National Surveillance Systems (periodic, systematic, standardized and sustainable - funded)

GMF component	Efforts Needed	Supporting Tools
Mortality and Cancer incidence	<ul style="list-style-type: none"> ▪ Strengthen Vital Statistics System ▪ Develop or improve quality of population-based cancer registries 	<ul style="list-style-type: none"> ▪ WHO ICD-training self learning tool for physicians and coders • North American WHO FIC Collaborating Center Training materials; • Planning and developing population-based cancer registration in low and middle income settings
Risk Factors	<ul style="list-style-type: none"> ▪ Implement national household surveys in adult populations; ▪ Implement national school-based surveys in youth populations 	<ul style="list-style-type: none"> ▪ STEPS and/or STEPS-like surveys (provide 9 to 11 GMF indicators) ▪ STEPs questions into national household surveys ▪ School based surveys such as GSHS and/or GYTS
National System Response	<ul style="list-style-type: none"> ▪ Establish a mechanism to monitor national system response 	<ul style="list-style-type: none"> ▪ PAHO/WHO Country Capacity Survey on NCDs ▪ Methodology to assess and measure accessibility and affordability of the NCDs essential medicines and technologies

Best Buys: Cases in the Caribbean

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Best Buys - TOBACCO USE

- Increase tobacco taxes
- Legislate smoke free environments
- Warn of the dangers of tobacco
- Ban all forms of tobacco advertising, promotion and sponsorship



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Best Buys Implementation in the Caribbean: The Tobacco Case

Country	WHO FCTC Ratification	BEST BUYS			
		100% smoke free environment	Health warning	Ban all forms of tobacco advertising, promotion & sponsorship	Increase taxes
Antigua y Barbuda	Yes	Some measures	No measures	No measures	No measures
Bahamas	Yes	No measures	No measures	No measures	Some measures
Barbados	Yes	Full compliance with WHO FCTC	No measures	No measures	Some measures
Belize	Yes	No measures	No measures	No measures	No measures
Dominica	Yes	No measures	No measures	No measures	No measures
Grenada	Yes	No measures	No measures	No measures	No data
Guyana	Yes	Some measures	No measures	No measures	Some measures
Haiti	No	No measures	No measures	No measures	No data
Jamaica	Yes	Full compliance with WHO FCTC	Full compliance with WHO FCTC	No measures	Some measures
Saint Lucia	Yes	No measures	No measures	No measures	No measures
Saint Vincent and the Grenadines	Yes	No measures	No measures	No measures	No measures
Sant Kitts and Nevis	Yes	Some measures	No measures	No measures	No measures
Suriname	Yes	Full compliance with WHO FCTC	Full compliance with WHO FCTC	Full compliance with WHO FCTC	Some measures
Trinidad and Tobago	Yes	Full compliance with WHO FCTC	Full compliance with WHO FCTC	Some measures	Some measures

Legend

■ Full compliance with WHO FCTC

■ Some measures

■ No measures

■ No data

PAHO/WHO SUB-REGIONAL TRAINING WORKSHOP ON TOBACCO TAXATION FOR CARICOM COUNTRIES

Barbados PAHO office. October 28-30, 2014

- **Participation of delegates from the Ministries of Health and Finance of 12 Caribbean countries:**
Antigua and Barbuda, Barbados, Belize, Dominica, Grenada, Guyana, Jamaica, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago
- **Tobacco tax policies have advanced in:**
 - Grenada
 - Saint Lucia
 - Saint Vincent and the Grenadines

Tobacco Free Initiative (TFI)

WHO tobacco tax simulation model (TaXSiM)

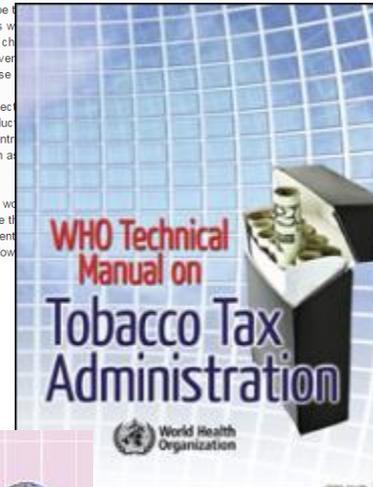
About the WHO TaXSiM

The World Health Organization (WHO) has been working closely with many countries to examine the structure and dynamics of their tobacco markets, and to help implement better tobacco tax policy. This experience has led the economics team to develop the *WHO Tobacco Tax Simulation Model (TaXSiM)* to help countries with tax policy analysis, impact assessment and decision-making.

The model can be used to describe domestically consumed cigarettes when to forecast the impact of tax changes on consumption volumes, and tax revenue. The model is that examines these

TaXSiM was also designed to reflect systems in place on tobacco production and innovative tool for country stakeholders who are interested in a of different tobacco tax policies.

The model available here is still a work in progress. In particular, please note that it has not been released for testing on different countries. If you have had any difficulties you have had do



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Best Buys & Policy Options - DIET & PHYSICAL ACTIVITY

- Reduce **salt** intake through product reformulation and awareness campaigns
- Replace **trans fats** with unsaturated fats
- Increase consumption of **fruit and vegetables**
- Implement recommendations on ‘**Marketing of foods** and non-alcoholic beverages to children’
- Implement public awareness programs on **diet and physical activity**
- Protect, promote and support **breastfeeding**



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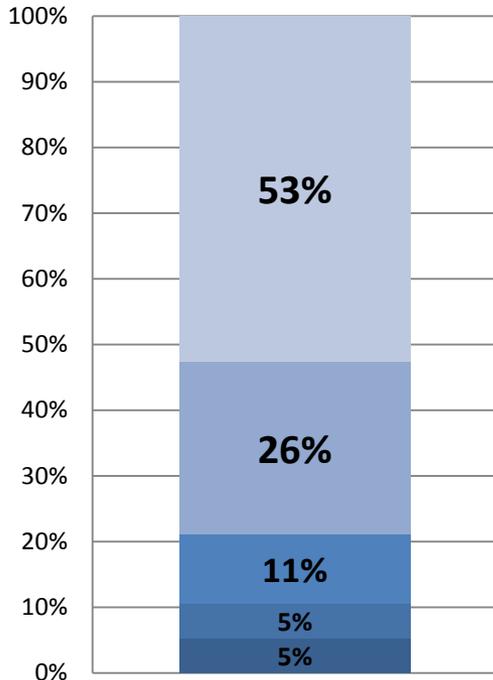


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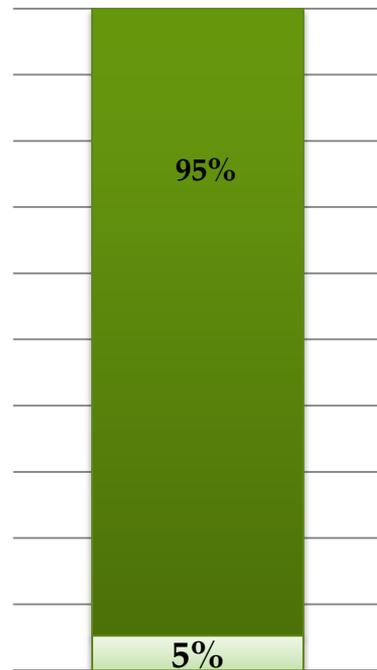
Best Buys Implementation in the Caribbean: Breastfeeding Case

NATIONAL POLICIES TO PROMOTE, PROTECT AND SUPPORT BREASTFEEDING



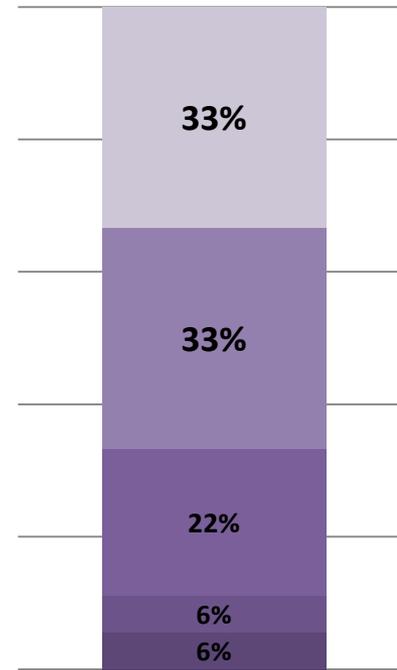
- Drafted policy
- Policy approved by cabinet
- Don't Know
- No data available

IMPLEMENTED MATERNITY PROTECTIONS LAWS AND REGULATIONS



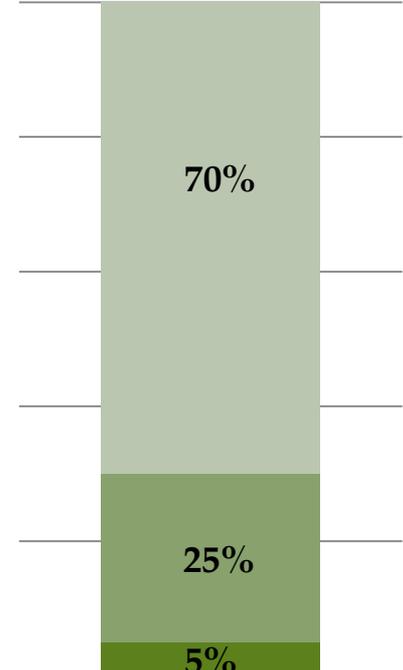
- Mandatory leave
- No paid maternity leave

STATUS OF IBFAN



- Some provisions/voluntary
- No information/no action
- Voluntary code or policy
- Few provisions
- Measure draft

% OF HEALTH FACILITIES WITH MATERNITY SERVICES BFHI CERTIFIED



- No certification
- 0-19%
- 20-39%

Notes: **IBFAN:** International Code of Marketing of Breast milk Substitutes; **BFHI:** Baby-friendly Hospital Initiative

Best Buys & Policy Options - CANCER

- National cancer control plan
- Prevention of liver cancer through hepatitis B immunization
- Prevention of cervical cancer through vaccination of HPV, and screening linked with treatment
- Breast cancer screening, with mammography for women 50-69 years, linked with treatment
- Colorectal cancer screening, with FOBT for 50 years+, linked with treatment



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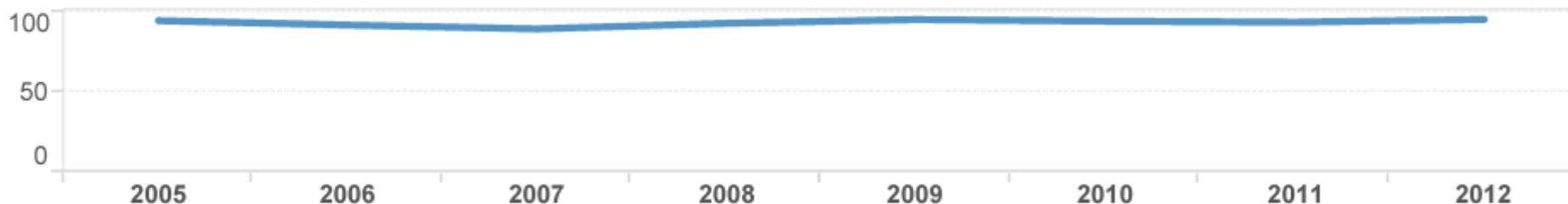
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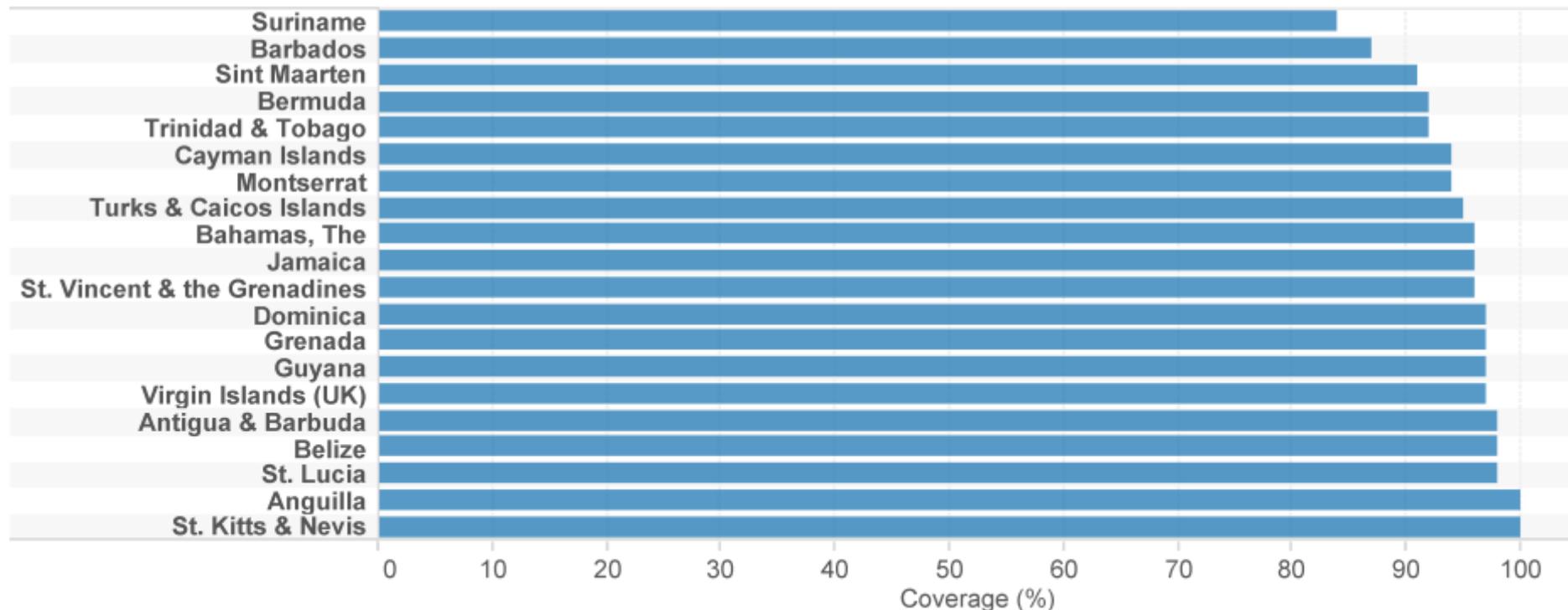
Hepatitis B Immunization Coverage in the Caribbean

Trends in the Caribbean from 2005 to 2012

Coverage in %

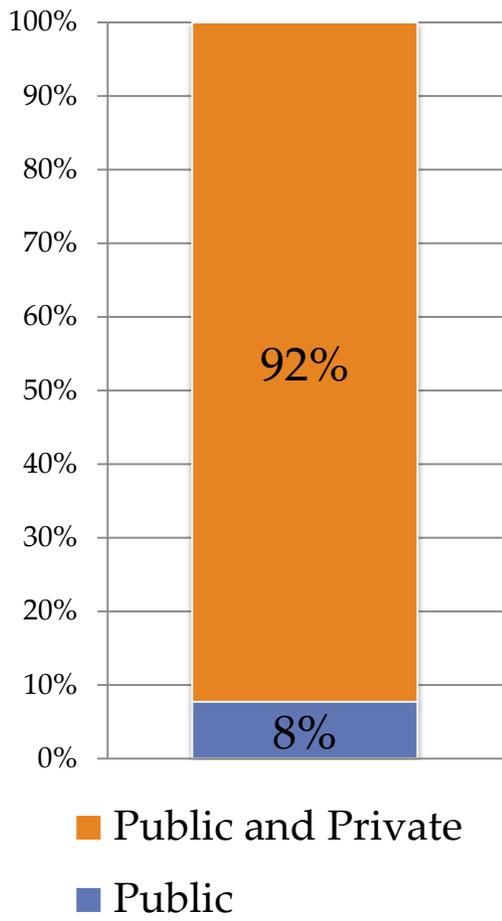


Immunization coverage by country, 2012

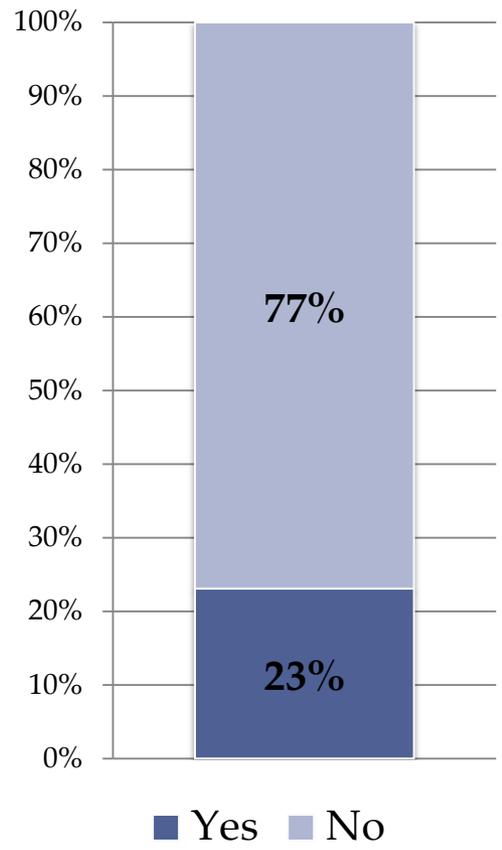


Best Buys Implementation in the Caribbean: The Cervical Cancer Case

CYTOLOGY AVAILABLE IN PUBLIC/PRIVATE SECTORS

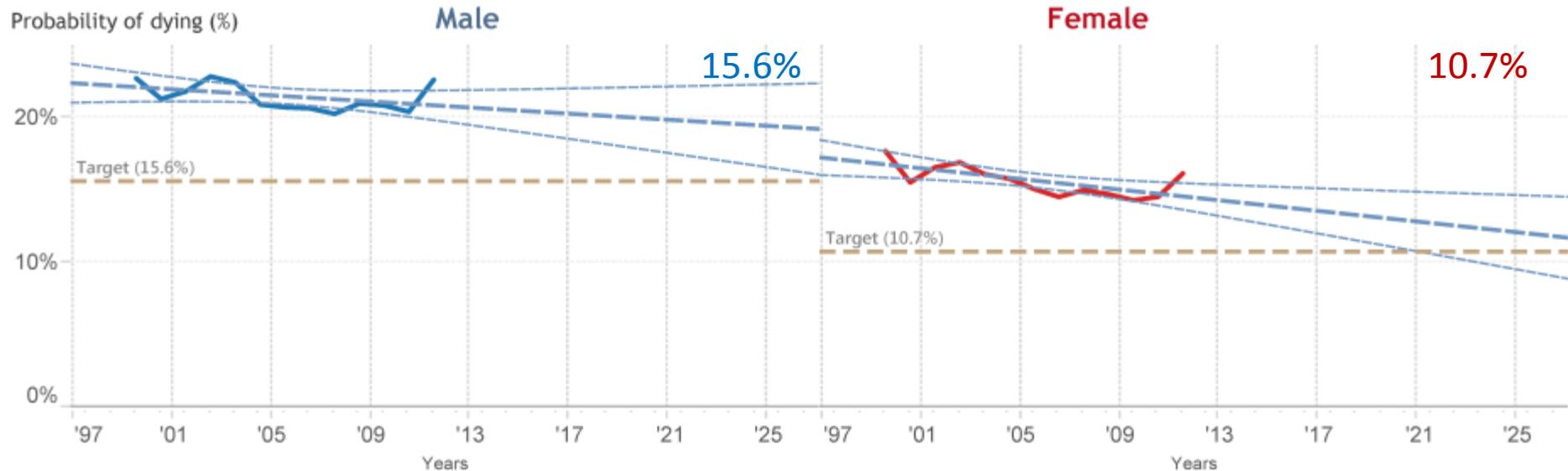
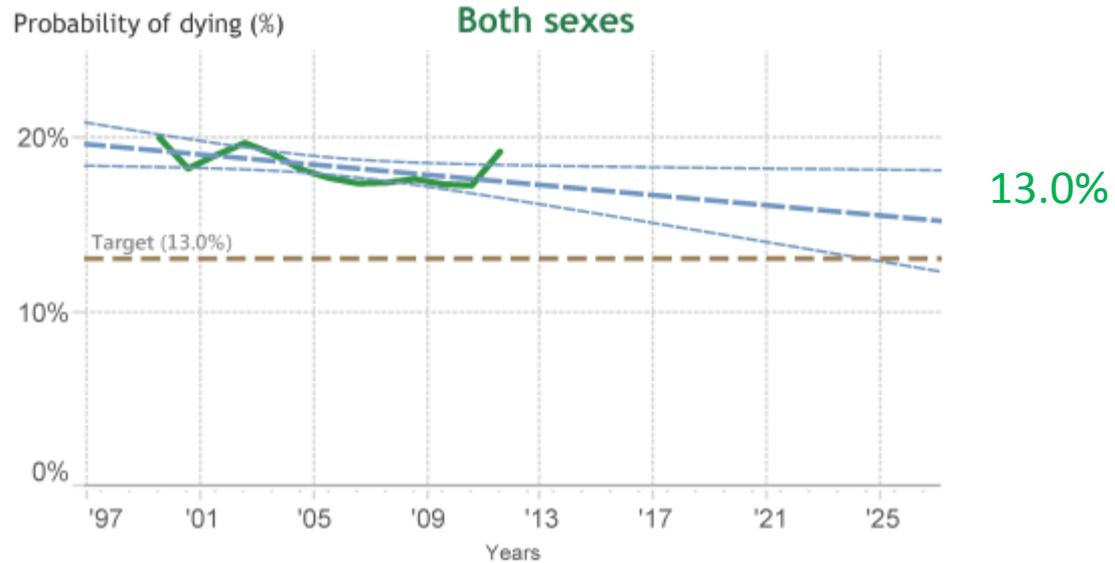


NATIONAL IMMUNIZATION PROGRAM – HPV VACCINATION



Premature Mortality from NCDs in the Caribbean Region

Will the Caribbean region reach the 25% relative reduction in 2025?



Source: PAHO estimates of premature mortality. Regional Mortality database. Pan American Health Organization (PAHO). 2015

The Way Forward: What can the Caribbean do to meet the NCD Targets?

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Three Main Actions



1. Prioritize risk protection and disease prevention

2. Transform and strengthen Health Systems
Response to NCDs within UHC:

- Global priorities for NCDs are cardiovascular diseases, cancer, diabetes and chronic respiratory disease
- Global priorities for risk factors are tobacco, harmful use of alcohol, physical inactivity and poor diet

3. Strengthen Surveillance

Prioritize risk protection and disease prevention: Fully Implement the Best Buys and consider other policy options

1. **Apply or increase taxes** for tobacco, alcohol, ultra-processed foods and sugar-sweetened beverages.
2. **Approve and enforce laws** for 100% smoke free environments.
3. **Implement** large and graphic **health warnings on tobacco** products in line with the CARICOM Standards for Health Warnings
4. **Regulate** sales and marketing of alcohol, tobacco, ultra processed foods and sugary beverages.
5. **Create policies** to limit salt content of foods.
6. **Adopt urban and transportations policies to promote physical activities**, such as bike paths, safer roads.



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Specific Opportunities:

- Essential medicines and technologies
 - Increase utilization of the **PAHO Strategic Fund**
- Hypertension
 - Implement the **Global Standardized Hypertension Treatment Initiative** to improve hypertension control with the provision of medicines and care for persons with high blood pressure
- Cervical Cancer
 - Implement NCD guidelines and promote HPV vaccination
 - Improve screening coverage and treatment quality



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Health systems response to NCDs toward universal access to health and universal health coverage

- 1. Provide universal health coverage and equitable access to improve care**
 - include NCD interventions in social protection health schemes
 - advance towards the elimination of direct payment
 - provide essential medicines and basic technologies for NCDs
- 2. Strengthen primary health care**
 - apply evidence based guidelines for NCDs
 - train multi-disciplinary health teams
 - identify population at risk for NCDs and provide counseling and quality services to screen, diagnose, treat and control
 - self management initiatives



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Surveillance for NCDs and risk factors

- 1. Building Technical Capacity in collaboration with CARPHA – STEPS surveys;**
- 2. Gaps in indicators** to be addressed (salt, medicines & technologies, drug therapy)
- 3. Advocating for Member States to build NCD/RF surveillance systems to ensure** periodic, systematic, standardized and sustainable data collection and reporting (eg linkages with academia, statistical depts., international agencies; developing health information systems, etc.. etc..)



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Technical Cooperation for NCDs and risk factors

- 1. Support the establishment or strengthening of Legislation for risk factors**
- 2. Counter industry interference by developing appropriate policies**



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Other elements of Technical Cooperation for NCDs

- 1. Economic impact** - NMH collaboration with the Harvard group (Bloom et al.) to develop costing models for NCDs; Models available as a public good
 - OneHealth model for costs of implementation of NCD and RF plans
- 2. TC in the incorporation of NCDs into the Development Assistance Frameworks (with other UN agencies)**
- 3. Building Partnerships** – Member States; Private-public partnerships; whole-of-government partnerships – **Inter-American Task Force on NCDs** – A strategic alliance of Inter American organizations and associated international institutions and agencies, to address prevention and control of NCDs and their related risk factors in the Americas



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