

NCD Care in the Caribbean

Experiences and Best practices

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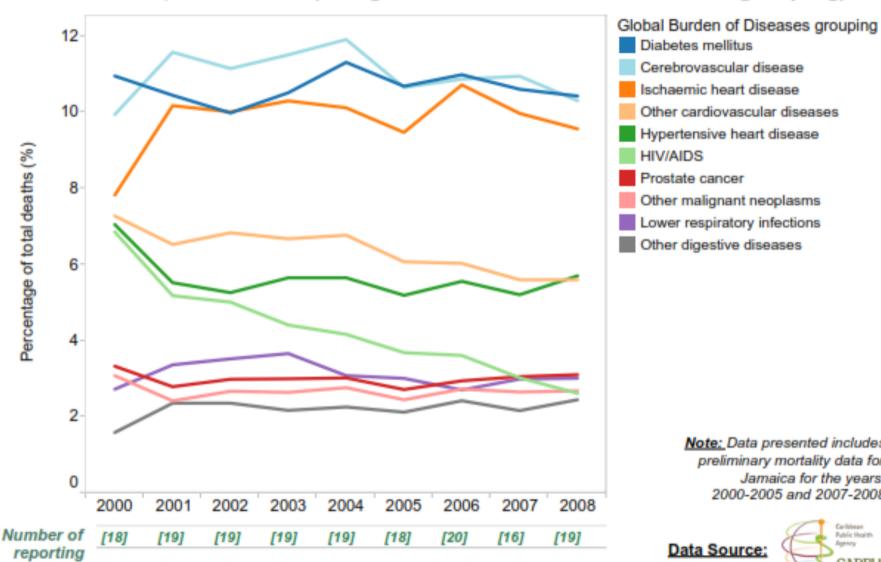
Preventing disease, promoting and protecting health

Presentation Outline

- Mortality in the Caribbean
- Risk Factors for NCDs
- Care of Hypertensive and Diabetics
 - Comparisons with CCMRC/CHRC Guidelines
- Best practices for NCD care



Leading Causes of Death in the English- and Dutch-speaking Caribbean, 2000-2008 (using the Global Burden of Diseases grouping)



countries:

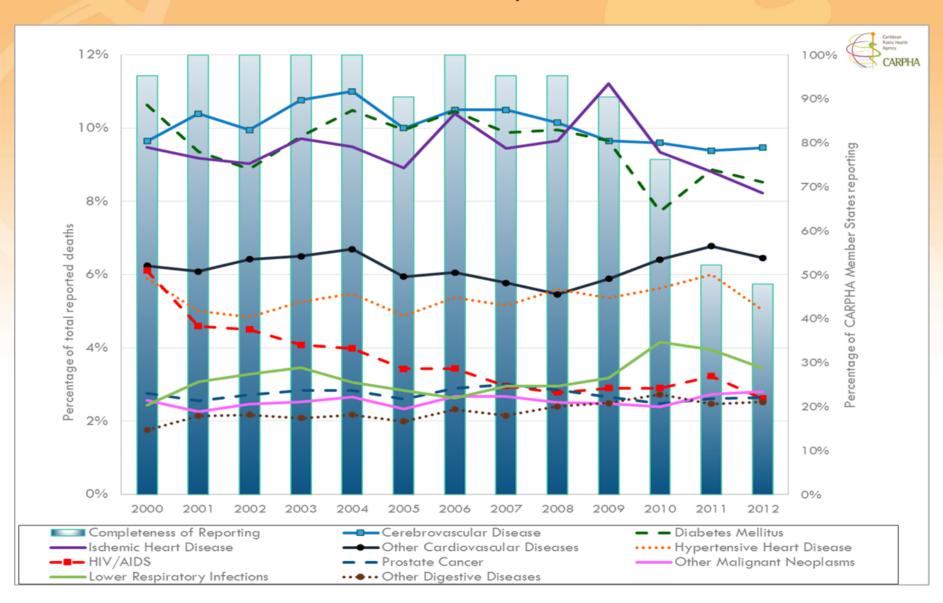
Note: Data presented includes

preliminary mortality data for Jamaica for the years: 2000-2005 and 2007-2008

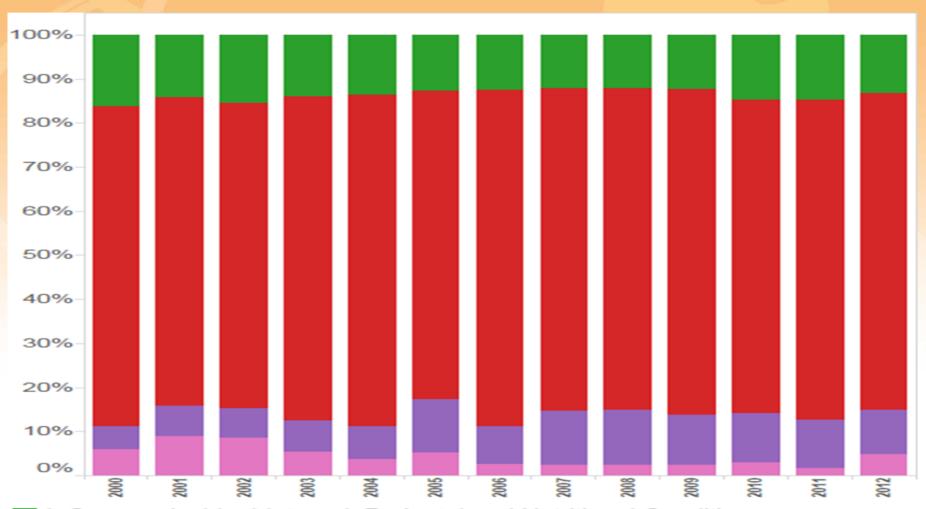




Leading Causes of Death * Excluding Haiti CARPHA Member States*, 2000-2012

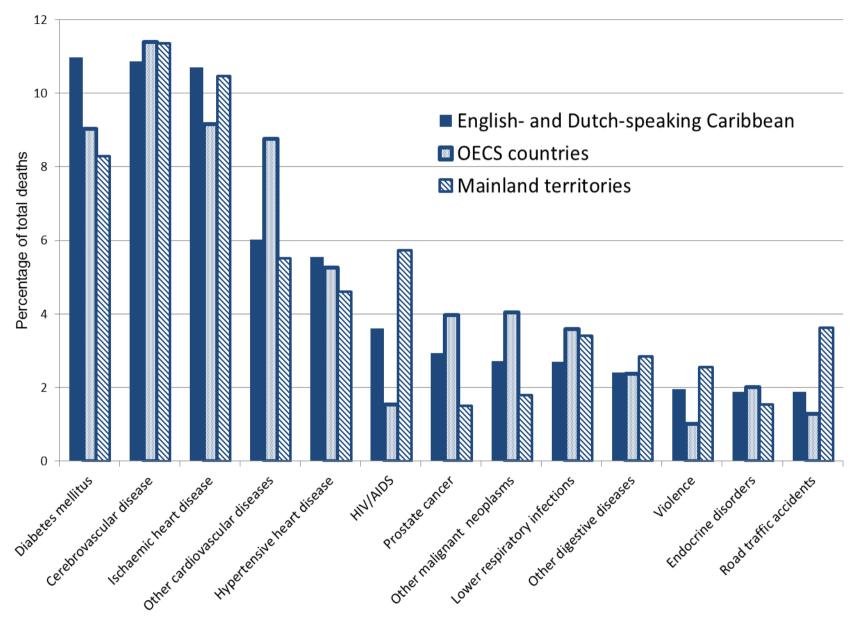


Broad Groupings of Conditions Causing Death in CARPHA Member States



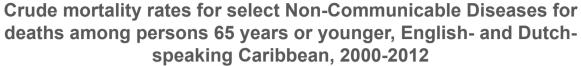
- I. Communicable, Maternal, Perinatal and Nutritional Conditions
- II. Non-communicable Diseases
 - III. Injuries
- Symptoms, Signs and III-Defined Conditions

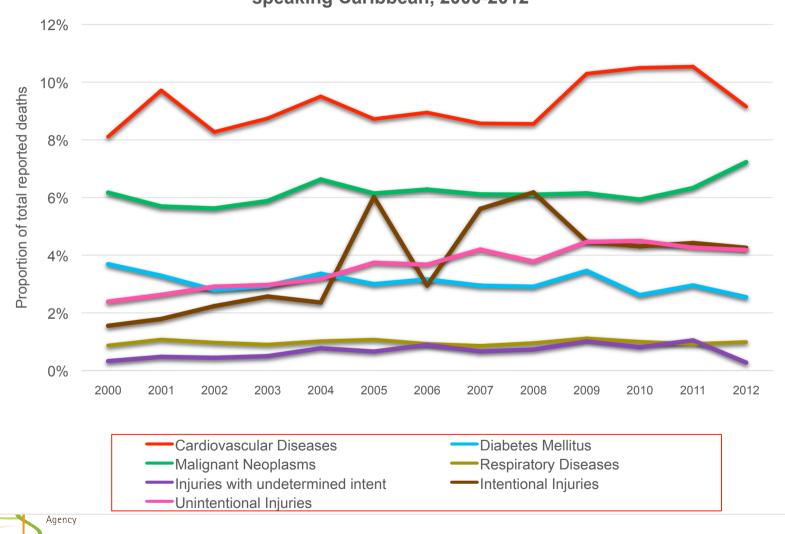
Leading causes of death in the English- and Dutch-speaking Caribbean and in the OECS countries and the Mainland territories , 2006



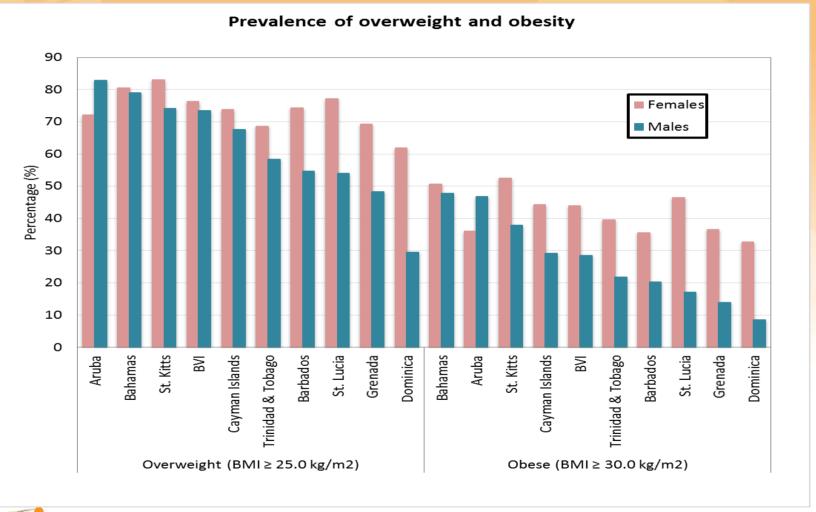
<u>Source:</u> Quesnel S, et al. 2013. *Leading causes of death in the English-and Dutch-speaking Caribbean during the period 2000-2008.*

Paper presented at the 58th Annual CHRC/CARPHA Scientific Conference.

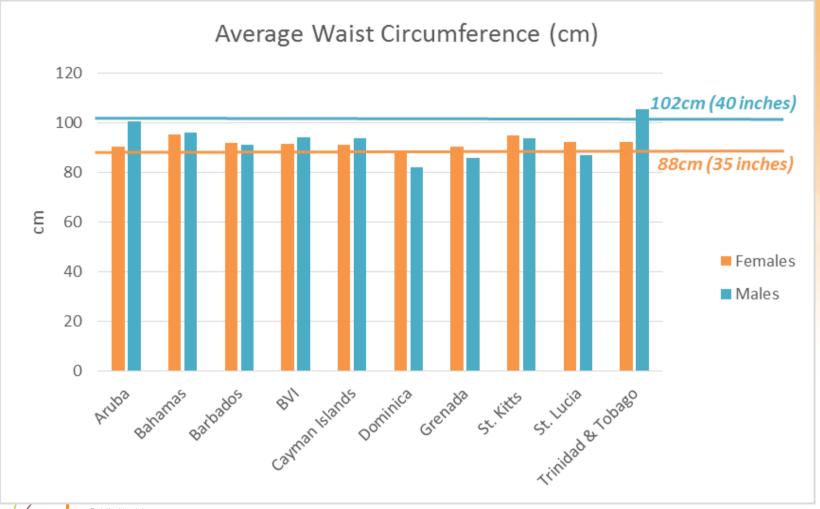




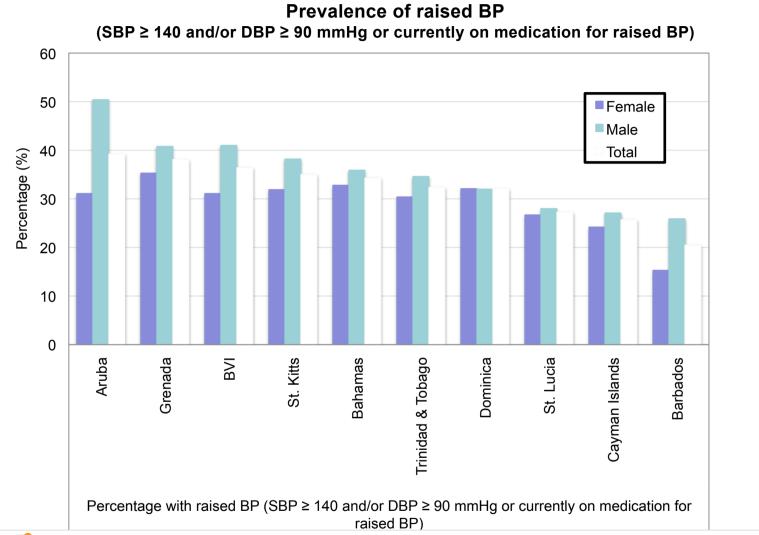
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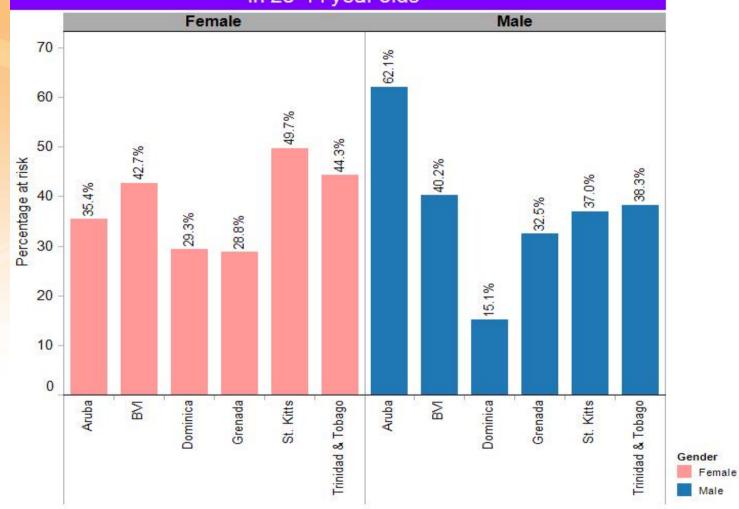
Prevalence of Raised Risk for Development of Chronic Diseases in 25-44 year olds*

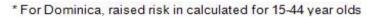
Risk factors:

- -current daily smokers
- -less than 5 servings of fruits & vegetables per day
- -low level of physical activity
- -overweight or obese
- -raised BP (SBP ≥ 140 and/or DBP ≥ 90 mmHg or currently on medication for raised BP)

Raised Risk:

3-5 Risk factors





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CARPHA

Chronic Renal Failure in the English-speaking Caribbean

Soyibo AK and Barton EN (WMJ 2009 Dec (6): 596-600)

- Major causes of chronic kidney disease and endstage renal disease:
 - Hypertension, <u>Diabetes mellitus</u> and Chronic Glomuerulonephritis (CGN)
- Leading causes of death:
 - Ischaemic heart disease/heart failure, sepsis and cerebrovascular accident



Clinical Guidelines for Managing Diabetes and Hypertension

- Managing Diabetes in Primary Care in the Caribbean (CCMRC/CHRC)
 - -1995
 - -2006
- Managing Hypertension in Primary Care in the Caribbean (CMRC/CHRC)
 - -1998
 - -2007



Diabetes Care in the Caribbean

Study Country	Bdos TnT BVI	TnT	Bdos	Mont	Ant & Bar	Jam	Bdos
Year	1996	1998	2005	2009	2010	2012	2013
Indicators	(%)	(%)	%	(%)	(%)	(%)	(%)
Rec. BMI	*	*	0	0	53	*	*
Waist circumference	*	*	0	0	*	*	*
Treated BP within recommended limits	23	61	43	29	33	41	38
Foot examination	11	22	41	7	1	*	*
Eye examination	2	9	18	5	*	2	*
Rec. dietary advice	32	54	61	54	64	19	*
Rec. exercise advice	5	34	49	26	54	60	*
Fasting lipid profile recorded	*	*	48	*	*	*	75 (LDL)
Poor blood glucose control	50	61	73	75	83	69	59

Hypertensive Care in the Caribbean

Study Country	TnT	Bdos	J'ca	Ant & Bar
Year	1998	2005	2005	2010
Indicators	(%)	(%)	(%)	(%)
BP recorded	98	98	100	100
Rec. BMI	*	1	*	61
Waist circumference	*	0	0	*
Advice about smoking	8	17	50	1
Advice about alcohol consumption	6	19	45	1
Rec. dietary advice	36	55	33	66
Rec. exercise advice	19	45	*	47
Fasting glucose done		39	55	81
Fasting lipid profile	*	48	21	*
Treated BP NOT adequately controlled	42	64	*	63

Primary care for HTN and Diabetes

- ✓ Limited assessment of modifiable risk factors
- ✓ Limited advice on reducing risk factors
- ✓ Limited assessment for possible complications
- ✓ Threshold for control NOT being achieved with treatment by majority of patients
- ✓ CHRC Guidelines for HTN and Diabetes not being followed



Best Practices for Care of NCDs: Improving the primary care response

MULTI-pronged approach needed; comprehensive and multi-sectoral

GOAL: To reduce the burden of morbidity, disability and premature mortality related to NCDs

- Strategy and targets for NCD control
 Include assessment and addressing of modifiable risk factors in patients and general population
- 2. A package of interventions for quality care of NCDs



Best Practices for Care of NCDs: Improving the primary care response

Package of Interventions for Quality Care

- 1. Political commitment for health system strengthening for NCD prevention and control
- 2. Active case finding among those attending primary care services and early intervention
- 3. Standardized diagnostic and treatment protocols
 - building physician/patient partnerships
 - involving the family and community
- 4. Regular drug supply
- 5. Systematic monitoring and evaluation



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