

Dominica 2010-11 National Health Accounts (NHA) and HIV Subaccounts – Methodology and Findings

Roseau, Dominica
November 28, 2013

Abt Associates Inc.

In collaboration with:

| Aga Khan Foundation | Bitrán y Asociados
| BRAC University | Broad Branch Associates
| Deloitte Consulting, LLP | Forum One Communications
| RTI International | Training Resources Group
| Tulane University's School of Public Health

ACKNOWLEDGEMENTS

- **Ministry of Health, Dominica**
- **Dominica Central Statistics Office**
- **PLHIVs Responding to Survey**
- **Private Insurance Companies**
- **Employers**
- **NGOs**
- **USAID/PEPFAR**
- **External Partners**

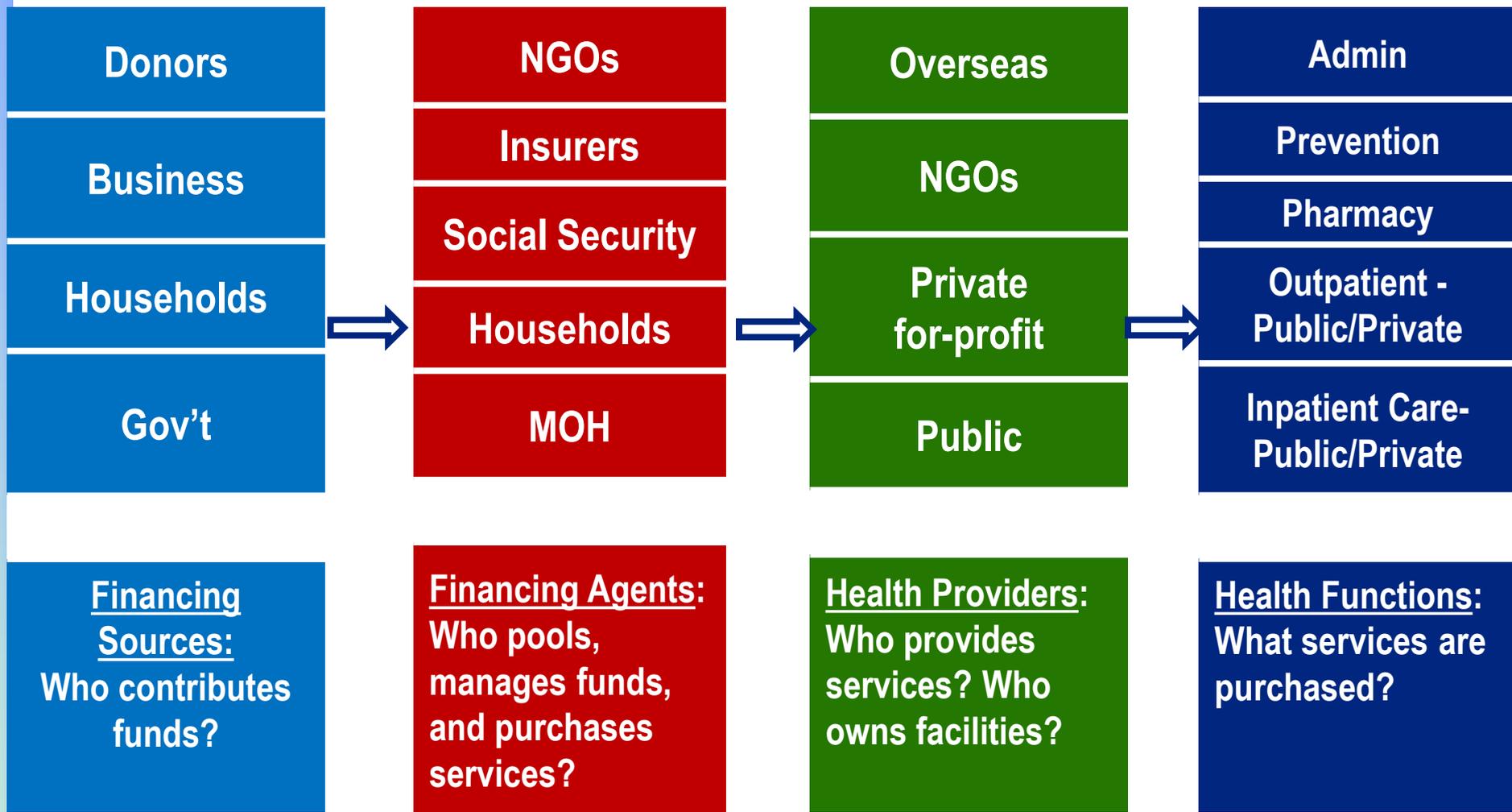
OUTLINE OF VALIDATION PRESENTATION

- **Purpose and Objective of Study**
- **NHA—Flow of Funds Framework**
- **Methodology**
- **Limitations of Findings**
- **Findings—General NHA Analysis**
- **Findings—HIV Subaccounts Analysis**

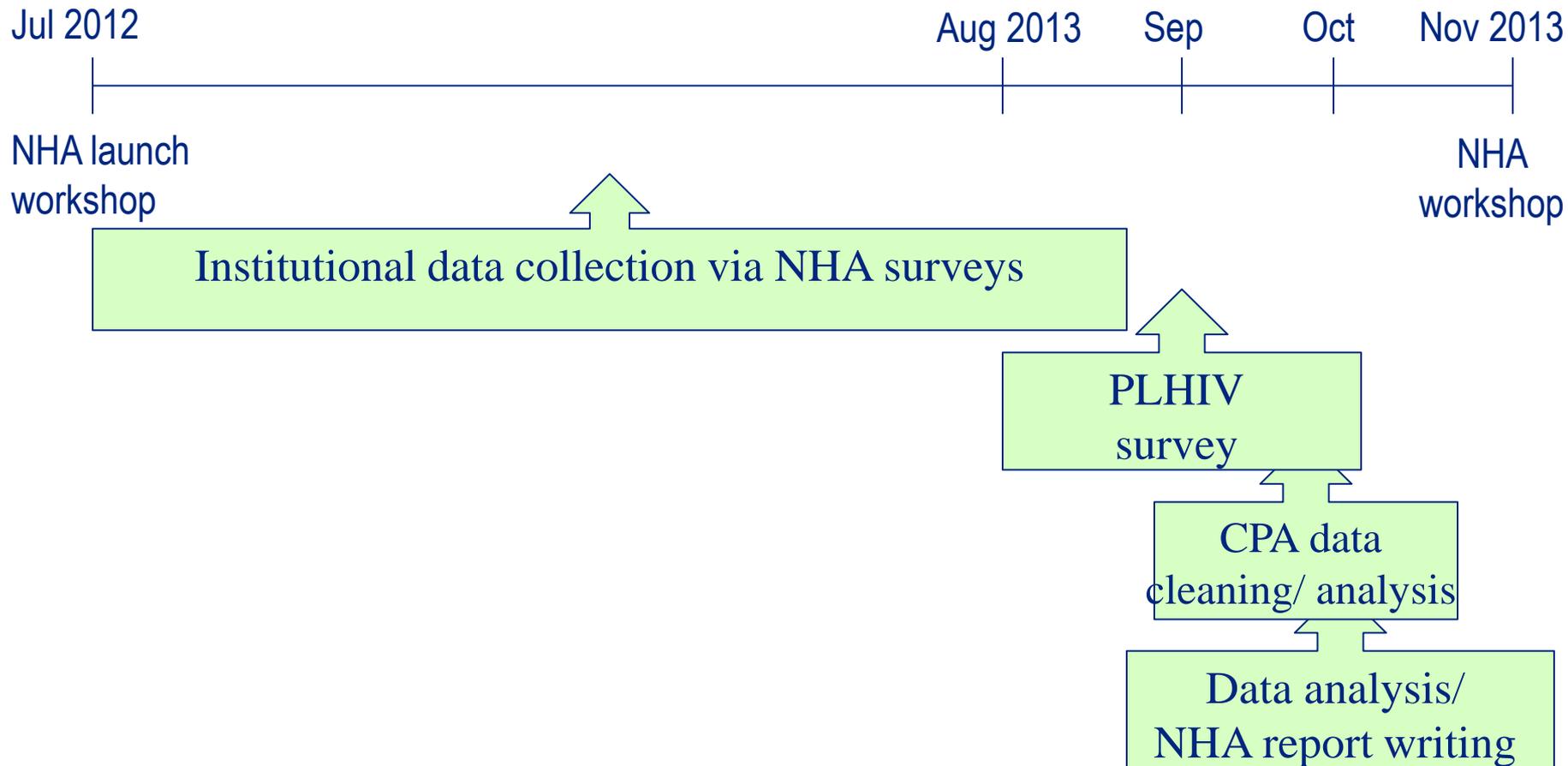
PURPOSE AND OBJECTIVE OF STUDY

- **Purpose:** To contribute to the evidence base for national health systems strengthening initiatives for sustaining health gains and quality of life improvements
- **Objective:** To provide specific data on the magnitude and components of health expenditure (public and private) in the period July 2010 – June 2011

KEY ASPECTS OF THE NHA FLOW OF FUNDS FRAMEWORK (SHA 1.0)



TIMEFRAME FOR DOMINICA NHA ESTIMATION EXERCISE



METHODOLOGY (1)

■ Primary Data Collection—using Survey Questionnaires

GROUP	TARGETED	RESPONDED	% response rate
PLHIVs	30	16	53%
Donors	8	7	88%
Private Insurers	5	2	40%
NGOs	16	10	63%
Employers (large)	24	6	25%

METHODOLOGY (2)

Secondary Data Collection: using published reports

MAIN SOURCES	RELEVANT DATA
2008-09 Dominica Country Poverty Assessment	Household OOP health expenditure
Government Budget Execution reports	Total expenditure against budget; Health allocations
Eastern Caribbean Central Bank	Macroeconomic data; exchange rates
Social Security Board Annual Reports	Health spending by Social Security
District utilisation data	Health expenditure allocation ratios
USAID-funded Costing Studies in Antigua	Health expenditure allocation ratios

LIMITATIONS

- **Use of Country Poverty Assessment to estimate household health expenditure for NHA purposes**
 - Recall period for inpatient expenditure short relative to standard NHA household surveys: may cause underestimation of OOP IP expenditure
 - Type of provider breakdown: inconsistency of IP spending with type of provider
- **Possible underestimate of spending on prevention: “population-based prevention activities” does not include prevention interventions at health facilities**
- **OOP travel costs for off-island care likely underestimated due to low response rates**
- **PLHIV OOP spending in private and overseas facilities underestimated due to sample of PLHIV drawn from NHARP**
- **Health care-related spending (e.g. formal education, drinking water control, environmental health) likely underestimated due to low response rates**

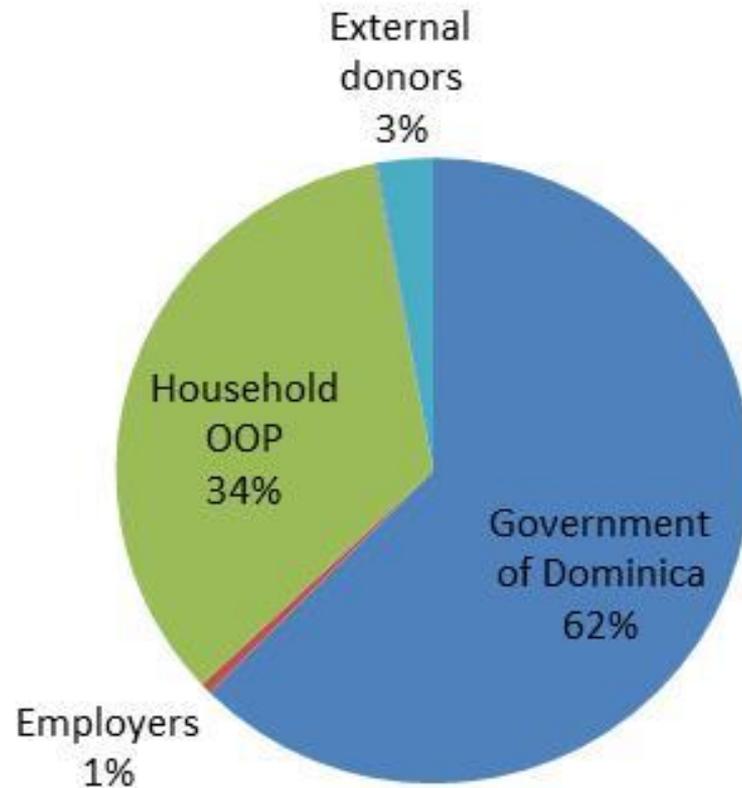
FINDINGS OF DOMINICA GENERAL NHA ANALYSIS

KEY INDICATORS—GENERAL NHA ANALYSIS

Indicator	Dominica	Caribbean Average
Total Health Expenditure (THE)	EC\$78.4 million, US\$ 29.3 million	
THE as percent GDP	6.1%	6.1%
THE per capita	EC\$1,078, US\$403	US\$551
Gov't health expenditure as percent general gov't spending	15.5%	12%

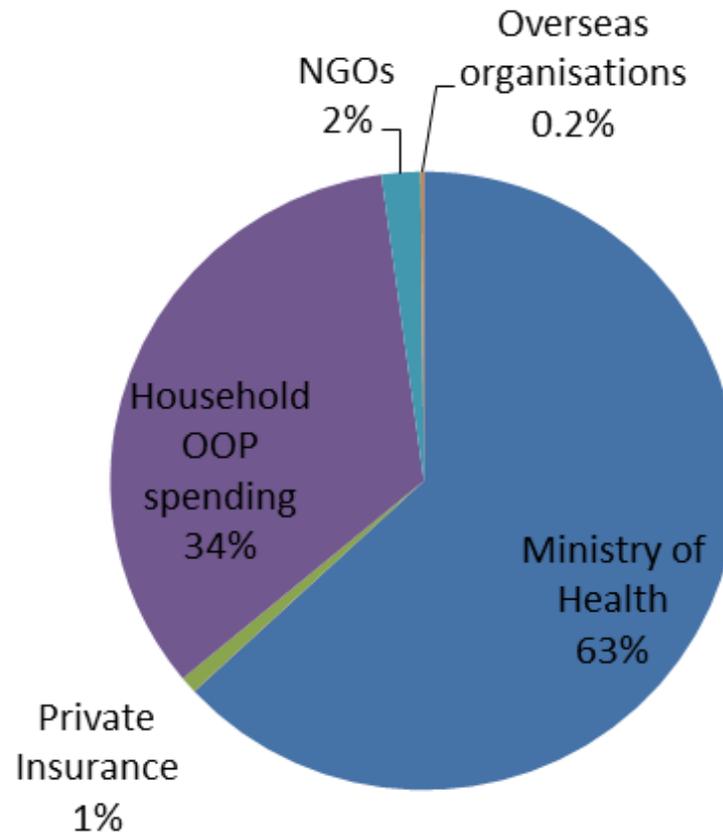
WHAT ARE THE SOURCES OF HEALTH FUNDS?

100% = THE =
EC\$78,393,734



WHO POOLS MANAGES, AND ALLOCATES HEALTH FUNDS?

100% = THE =
EC\$78,393,734

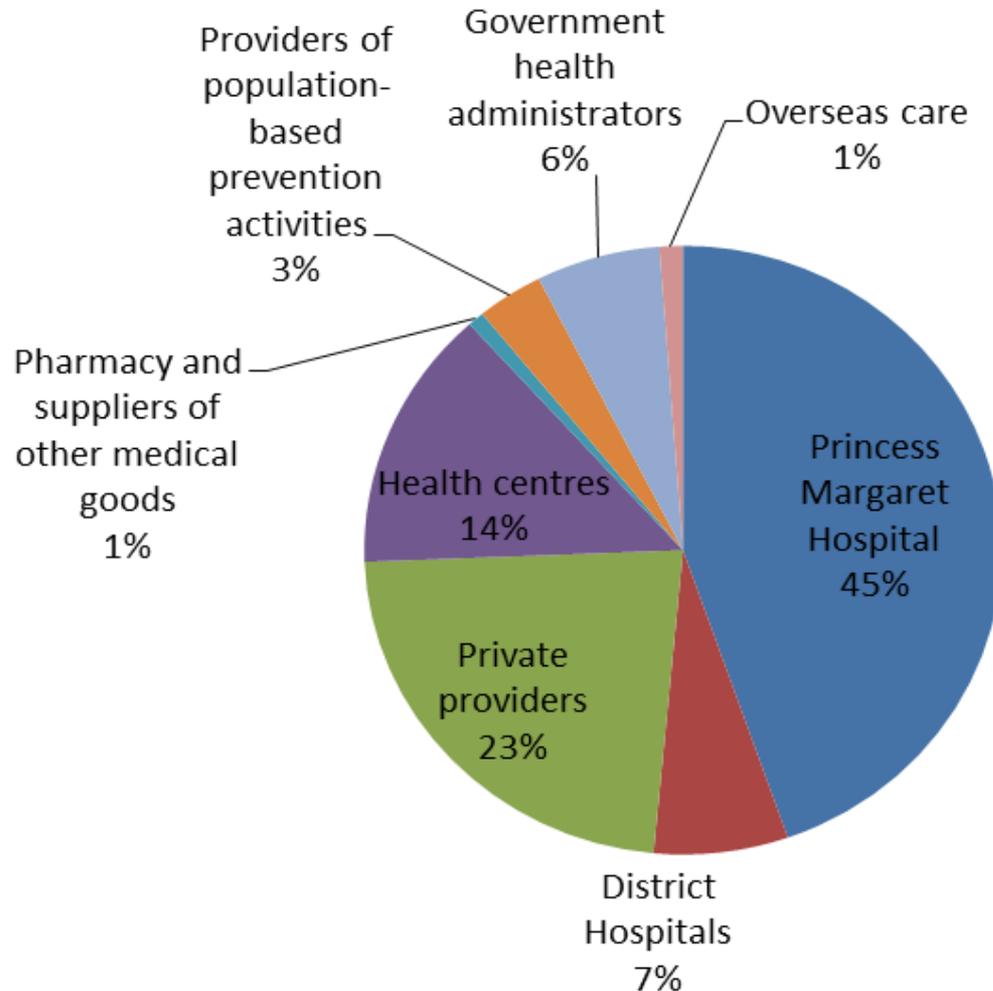


WHAT ARE THE SOURCES OF FUNDS FOR THESE INSTITUTIONS?

- MOH
 - \$48.8 million or 99% from Gov't budget
 - \$0.6 million or 1% from Donors
- Private Insurers
 - 65% from Employers
 - 18% from Households
 - 17% from Gov't
- NGOs
 - \$1.5 million or 96% from Donors

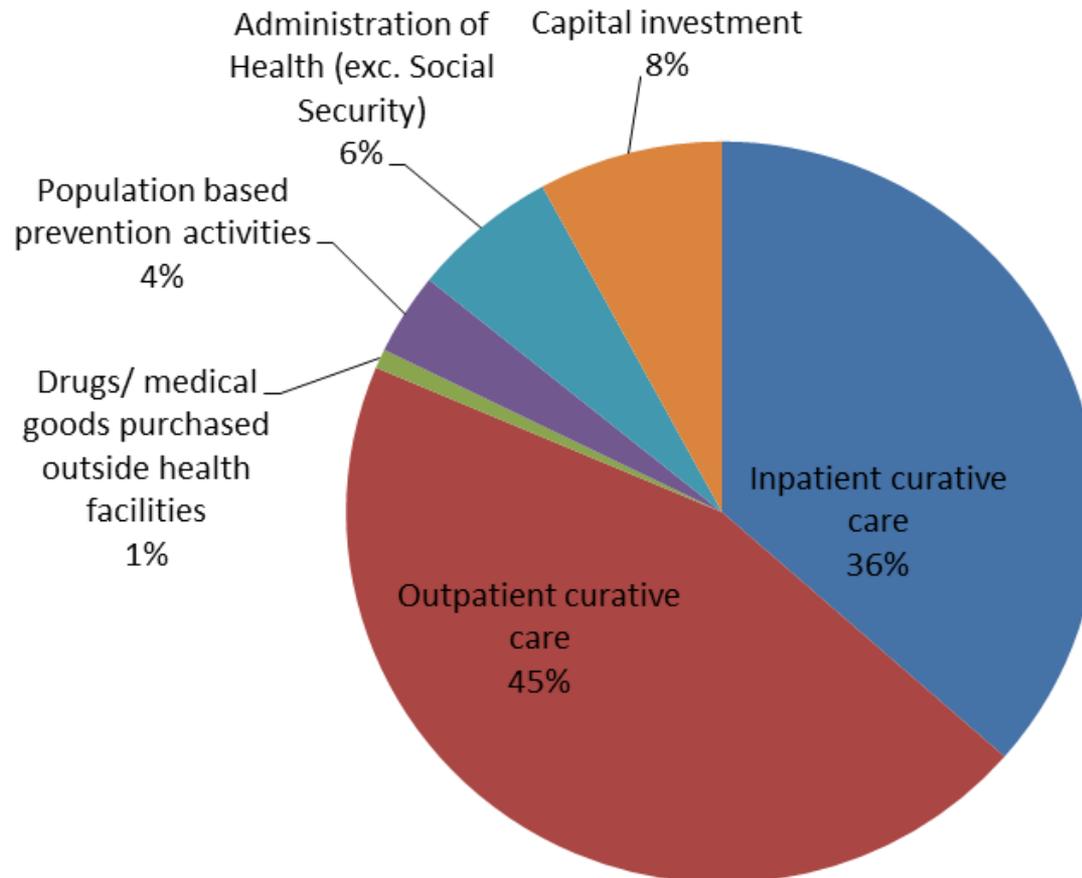
WHAT IS FLOW OF FUNDS TO HEALTH PROVIDERS?

100% = THE =
EC\$78,393,734



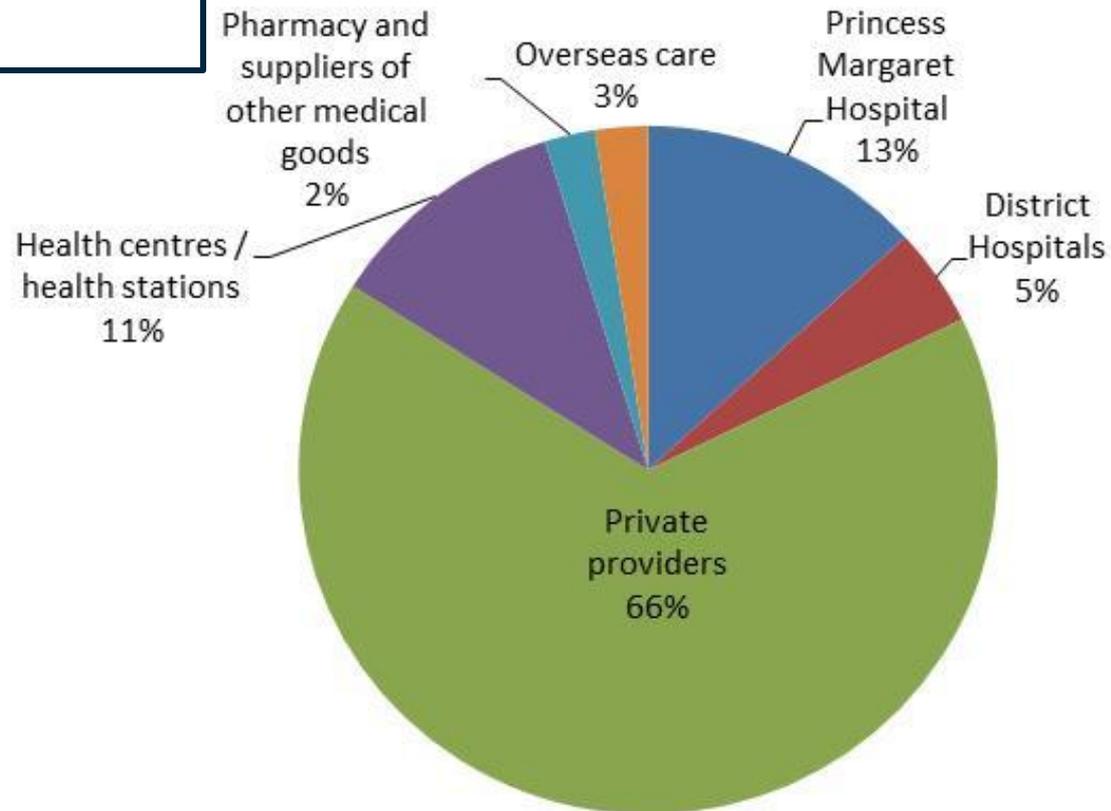
WHAT HEALTH SERVICES ARE PURCHASED BY HEALTH FUNDS?

100% = THE =
EC\$78,393,734



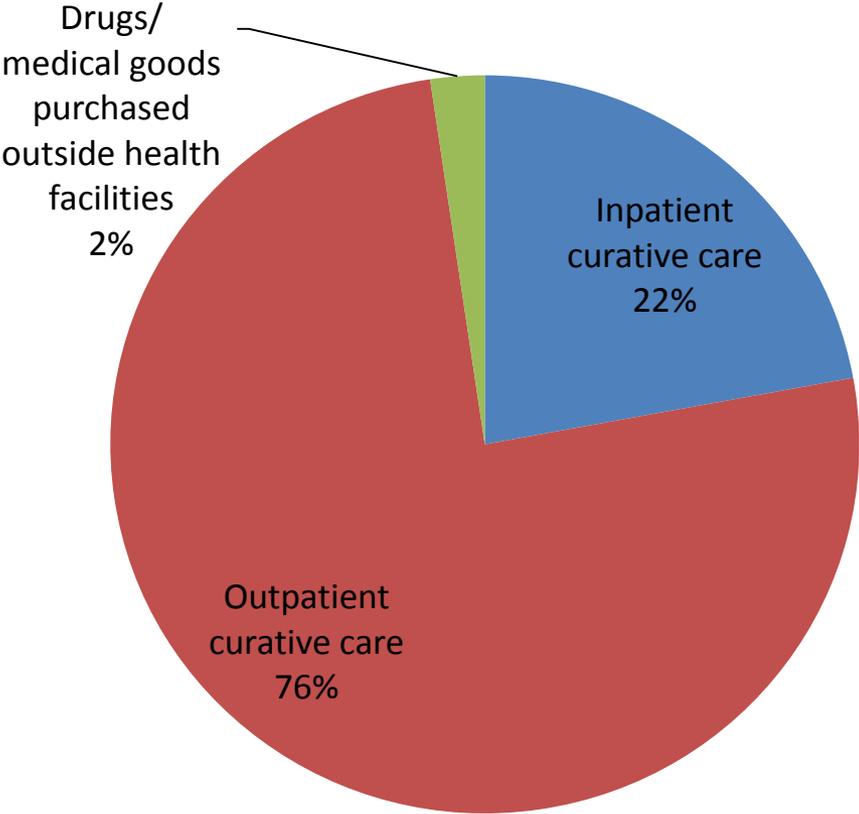
WHERE DO HOUSEHOLDS SPEND THEIR HEALTH DOLLARS?

100% = Total OOP Spending = EC\$26,549,252



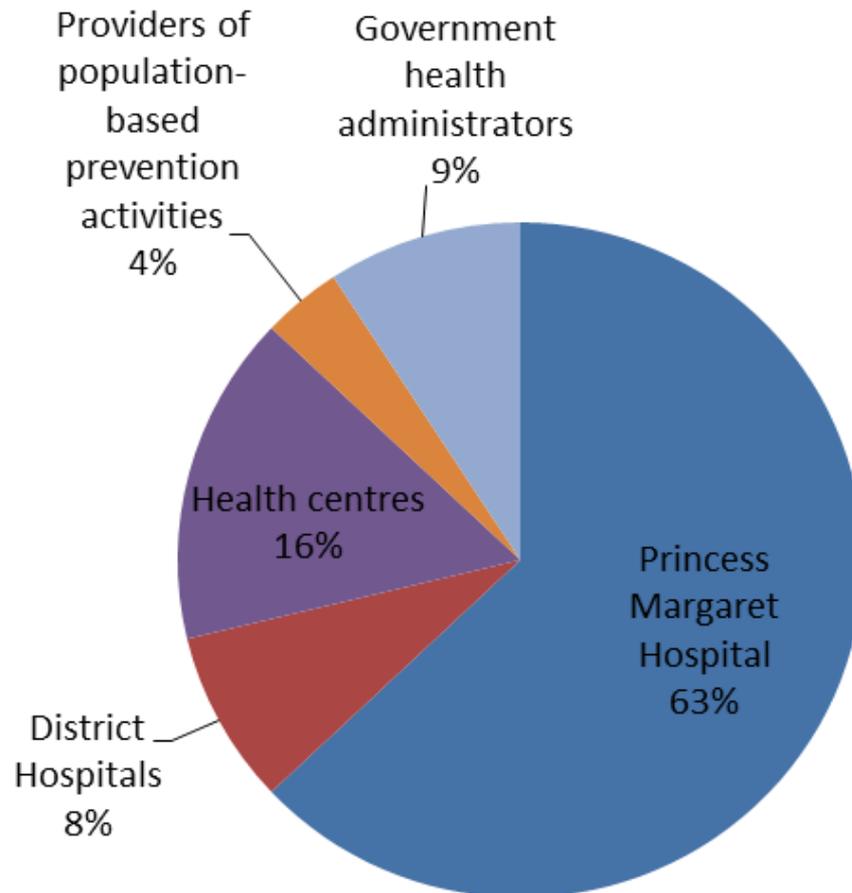
WHAT HEALTH SERVICES ARE PURCHASED BY HOUSEHOLDS?

100% = Total OOP Spending = EC\$26,549,252



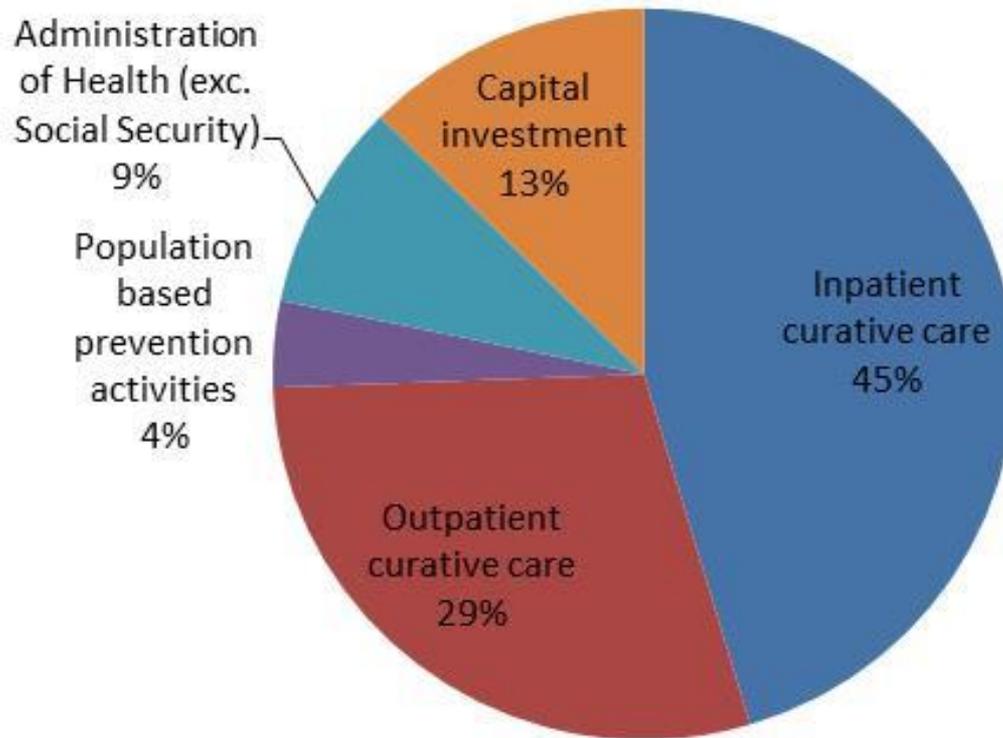
WHERE DOES MOH SPEND THEIR HEALTH FUNDS?

100% = Total MOH
Spending =
EC\$ 49,449,039



WHAT SERVICES DOES THE MOH SPEND ITS FUNDS ON?

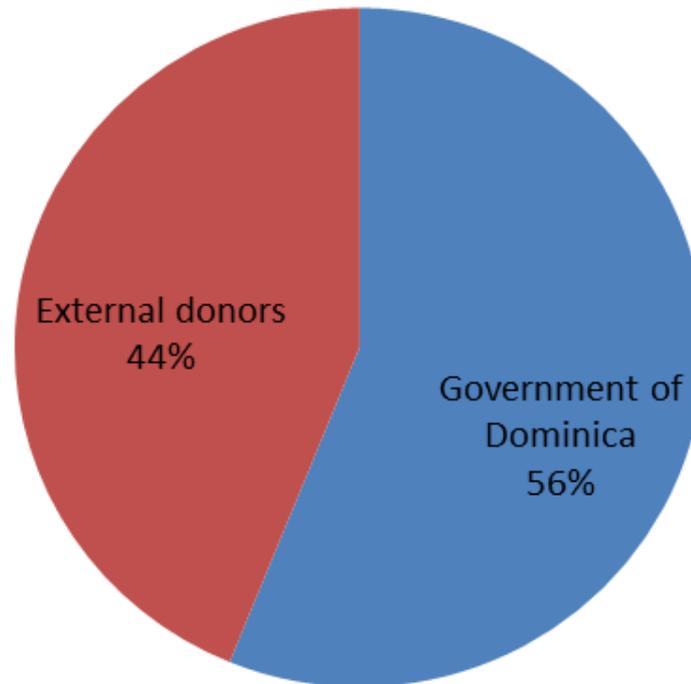
100% = Total MOH
Spending = EC\$49,449,039



FINDINGS OF THE DOMINICA HIV SUBACCOUNTS ANALYSIS

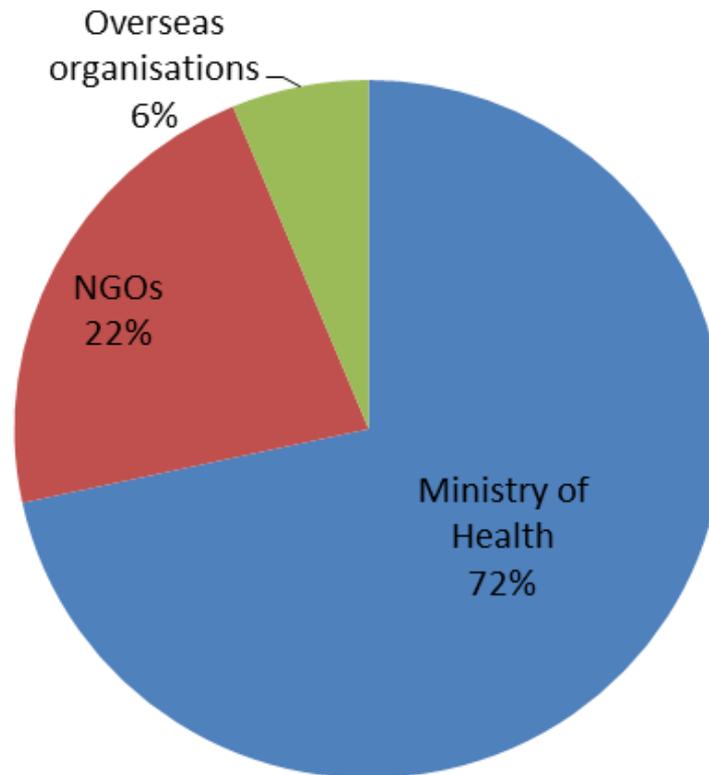
WHAT ARE SOURCES OF FUNDS FOR HIV?

100% = THE-HIV =
EC\$ 1,922,429



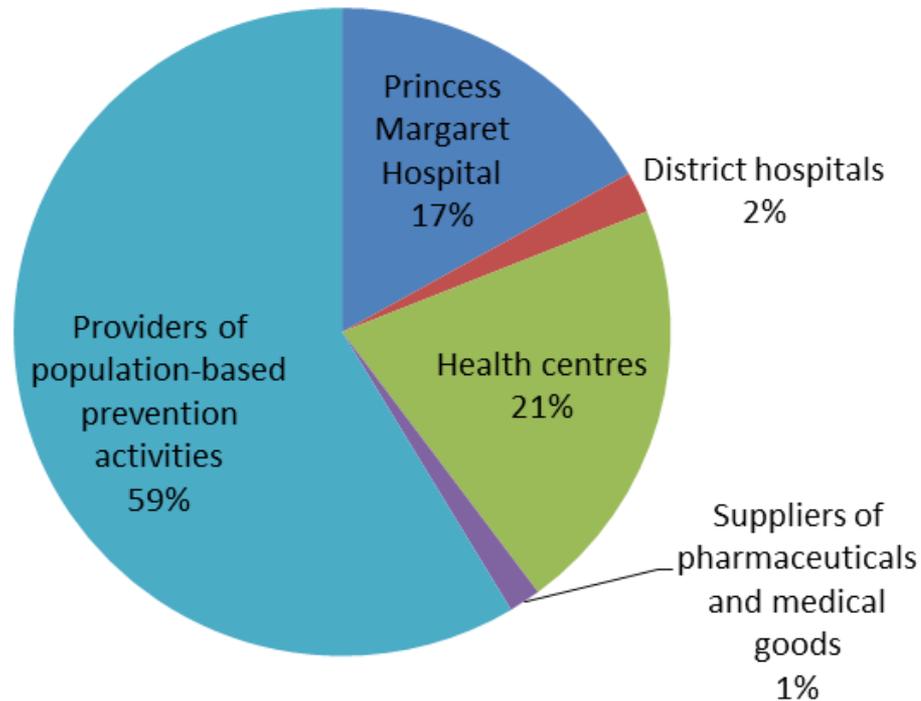
WHO POOLS, MANAGES, AND ALLOCATES HIV FUNDS?

100% = THE-HIV = EC\$
1,922,429



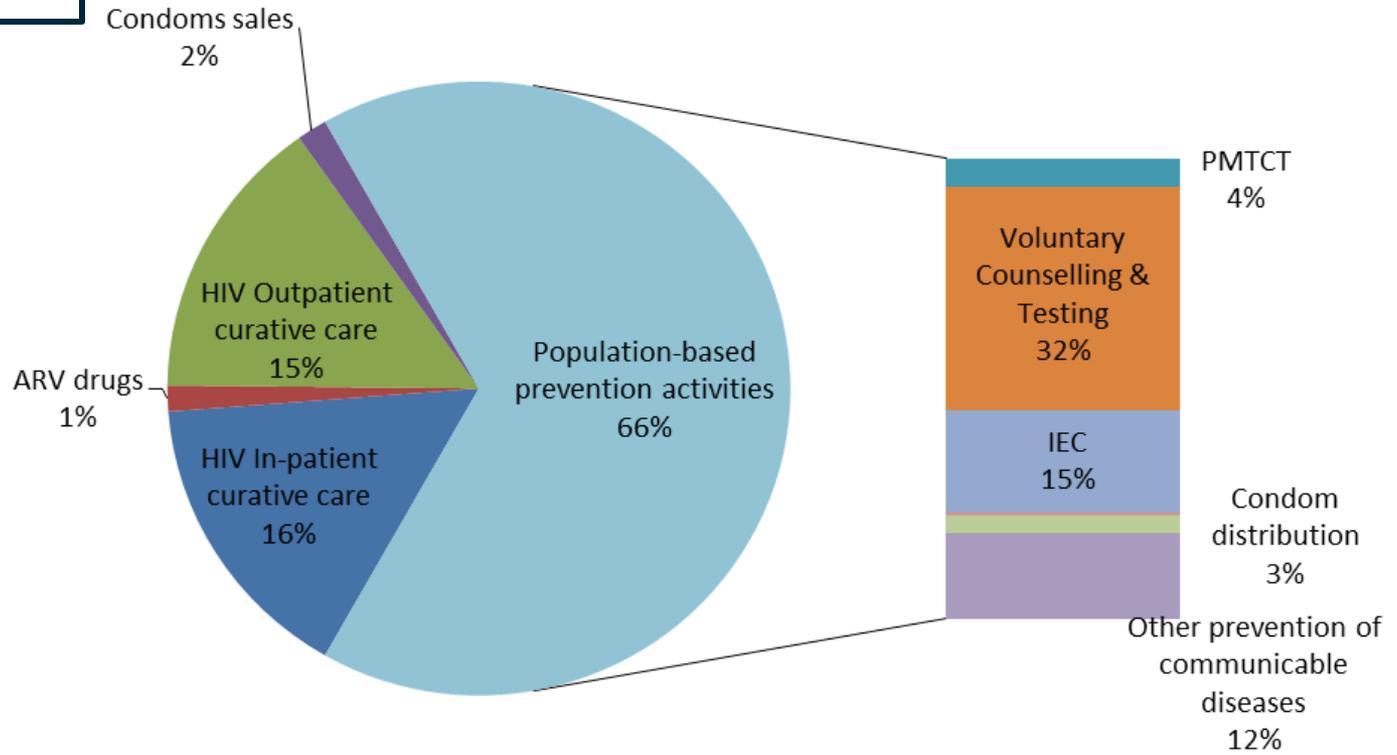
WHAT IS THE FLOW OF FUNDS TO PROVIDERS OF HIV SERVICES?

100% = THE-HIV =
EC\$ 1,922,429



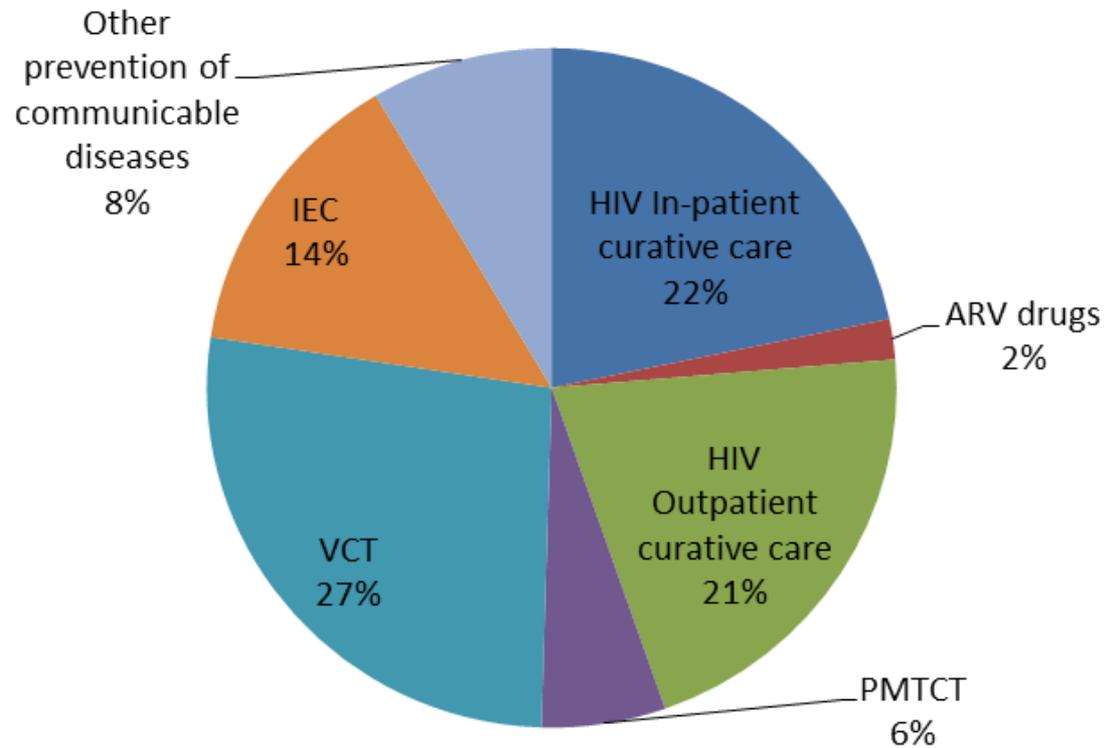
WHAT SERVICES ARE PURCHASED BY ALL HIV FUNDS?

100% = THE-HIV =
EC1,922,429



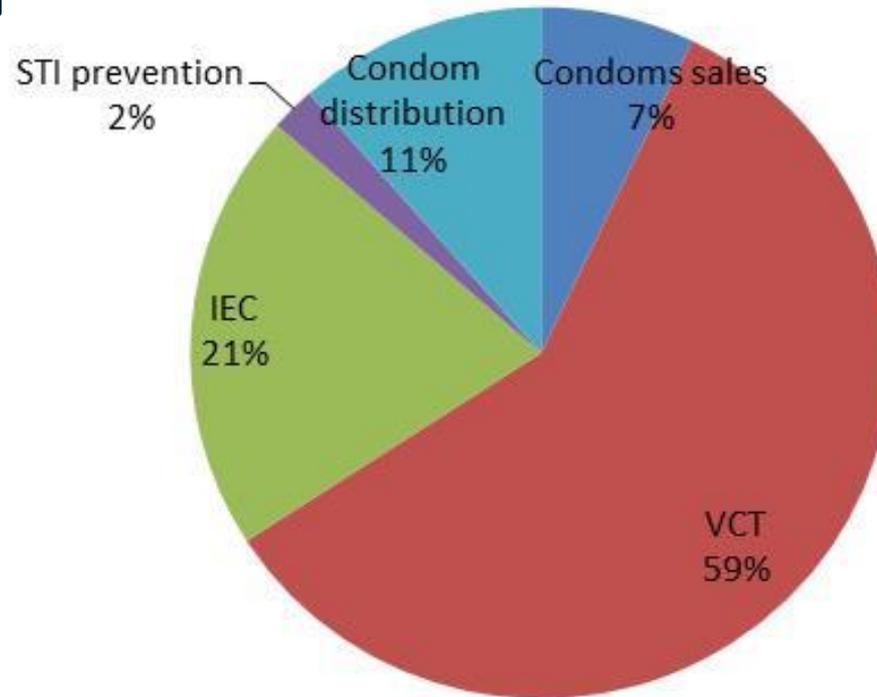
WHAT SERVICES ARE PURCHASED BY MOH?

100% = Total MOH HIV Spending = EC\$1,376,554



WHAT SERVICES ARE PURCHASED BY NGOs' HIV FUNDS?

100% = Total NGO HIV Spending = EC\$425,555



SUMMARY OF KEY NHA FINDINGS IN 2010-11

KEY MEASURE	MAGNITUDE
1. THE	<ul style="list-style-type: none"> ➤ EC\$78.4 mn (US\$29.3 mn) or EC\$1,078 (US\$403) per capita ➤ 6% of GDP
2. Financing Sources	<ul style="list-style-type: none"> ➤ Gov't--\$49.0mn (62%); Households --\$26.7mn (34%); Donors--\$2.2mn (2.9%); Employers--\$0.45mn (0.6%)
3. Financing Agents	<ul style="list-style-type: none"> ➤ MOH--\$49.4 mn (63%); Households--\$26.5 mn (34%); NGOs--\$1.6mn (2.0%); Private Insurance--\$0.68mn (0.9%)
4. Health Providers	<ul style="list-style-type: none"> ➤ MOH Hosps--\$40.4 mn (51.5%); MOH Clinics--\$10.9 mn (13.9%); Private providers--\$18.0mn (22.9%); Pharms--\$0.66 mn (0.8%); Off-island Centres--\$0.93mn (1.2%); MOH Admin--\$4.9mn (6.3%); Preventive Services--\$2.6mn (3.4%)
5. Health Functions-Services	<ul style="list-style-type: none"> ➤ IP care--\$28.6mn (37%); OP care--\$35.2 mn (45%); Drugs--\$0.66mn(0.84%); Pop-based prevention--\$2.8mn (3.6%); Admin--\$4.9mn (6.3%); Capital Formation--\$6.2 mn (7.9%)
6. PLHIVs	<ul style="list-style-type: none"> ➤ Spending--\$1.9mn (2% THE). Most from Gov't(56%); Donors (44%). ➤ Govn't manage 72% of HIV funds; NGOs — 22% ➤ Services:-Prevention--\$1.3mn(66%); IP care--\$0.30mn (15.6%); OP care--\$0.3mn(16.4%).

THANK YOU!