

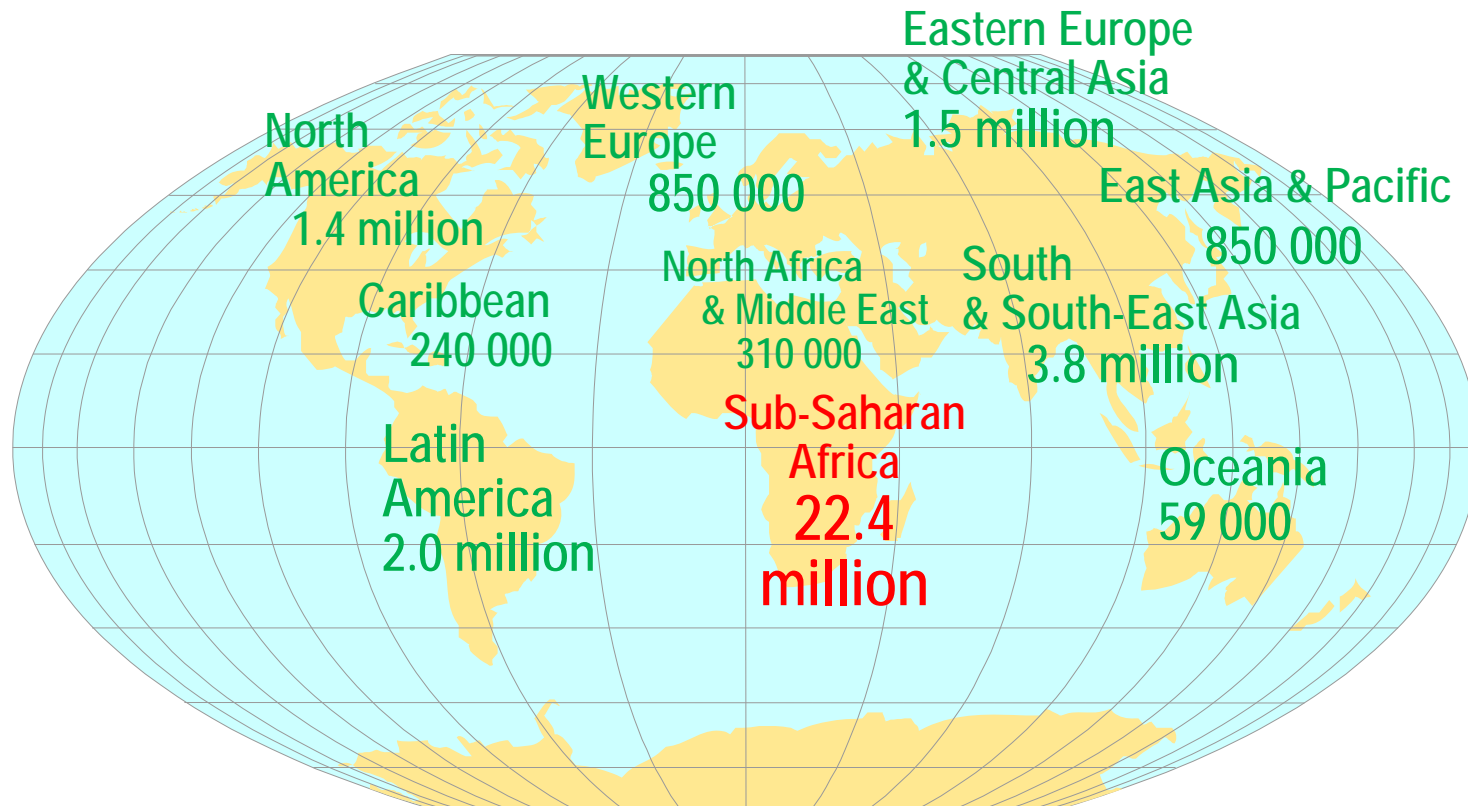
HIV/AIDS Situation in Mauritius

Dr. A. Saumtally

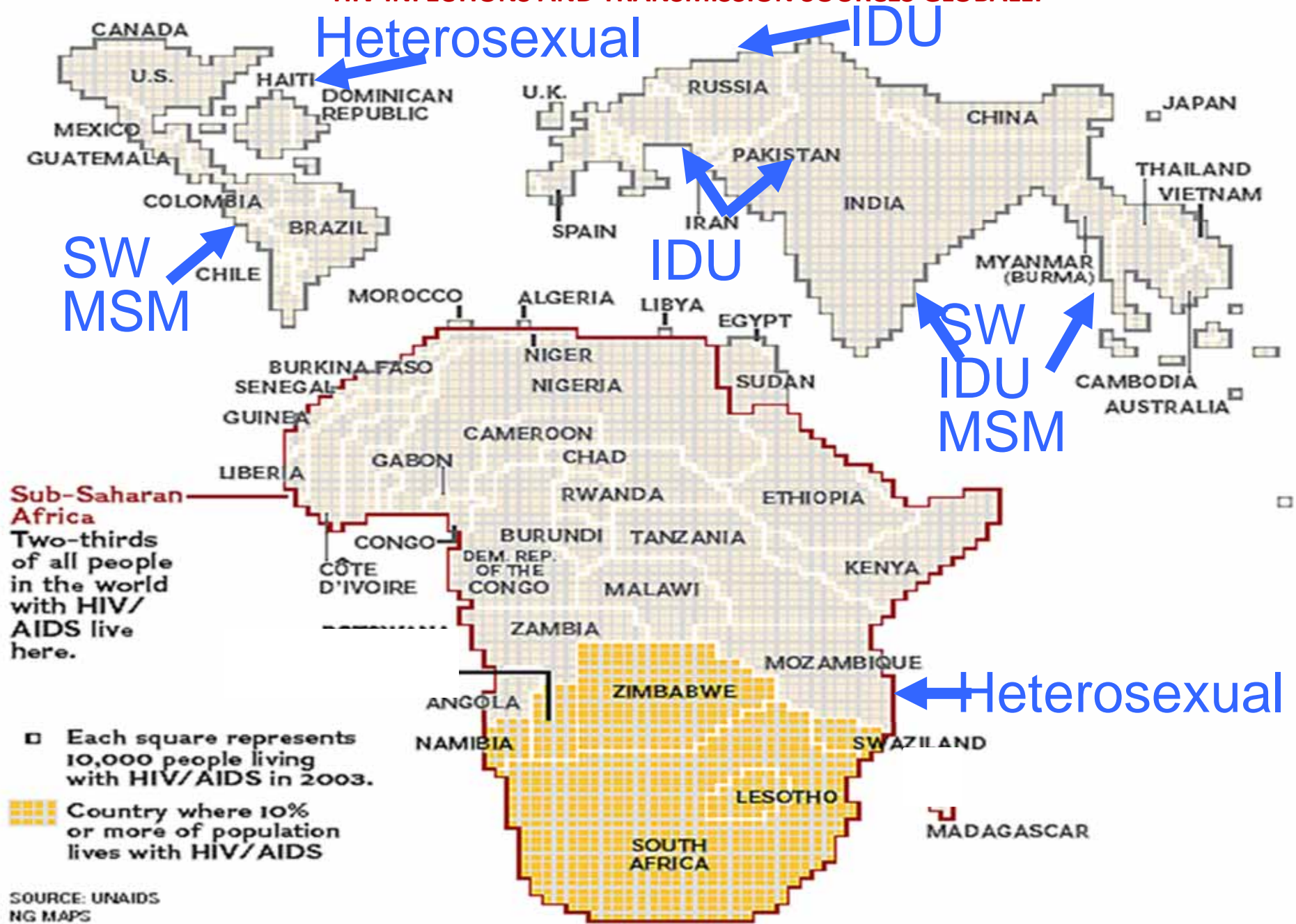
Grants Manager, Global Fund
National AIDS Secretariat

Adults and children estimated to be living with HIV in 2008

33.4 million (31.1–35.8 million)



HIV INFECTIONS AND TRANSMISSION SOURCES GLOBALLY



Types of HIV/AIDS Epidemic

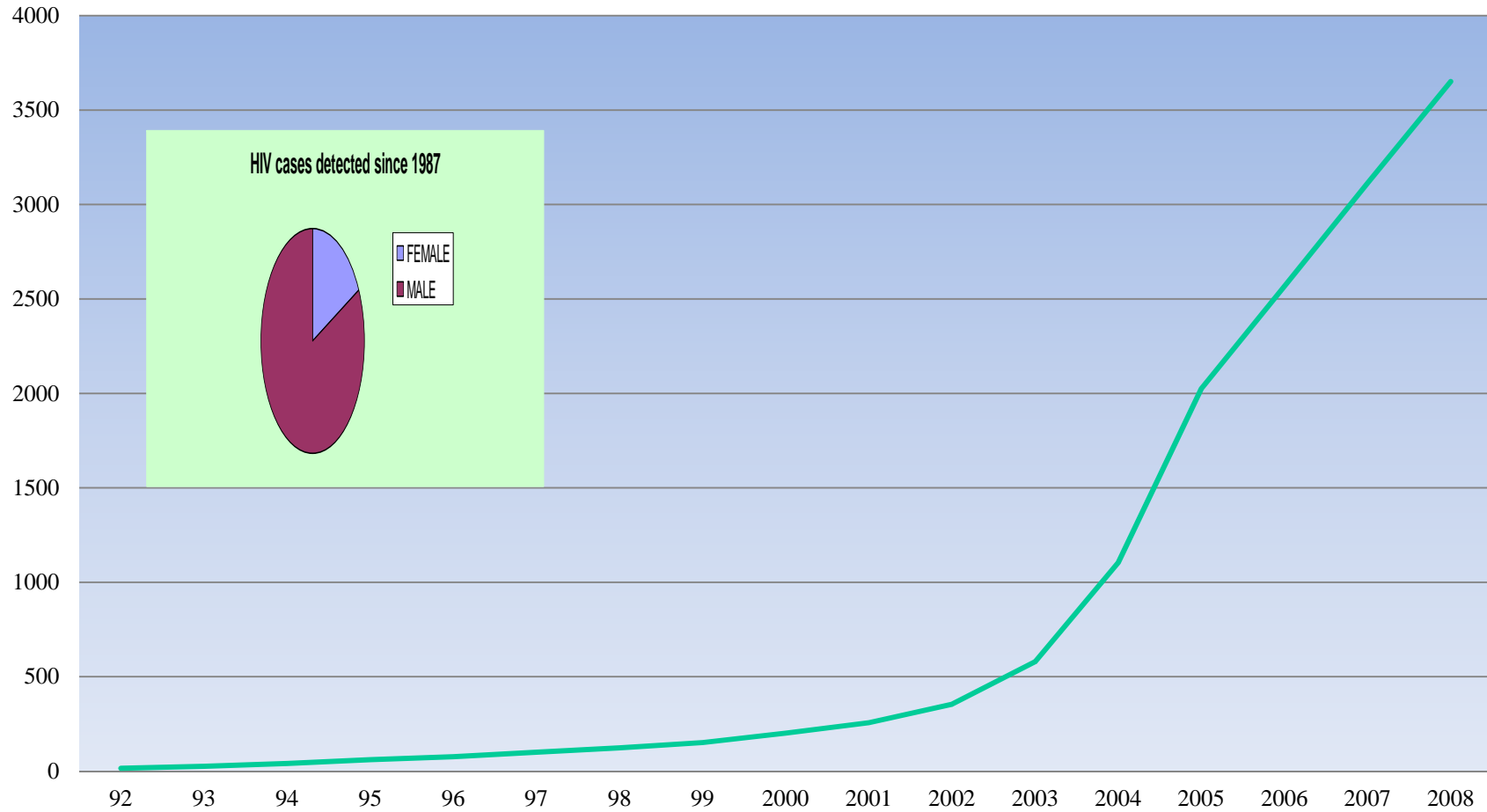
	High Risk Group IDUs, SWs, MSM, Seafarers <i>Migrant population Soldiers, Police officers</i>	Pregnant women
Low Prevalence	All groups < 5 %	< 1 %
Concentrated	Any group > 5%	< 1 %
<i>Mauritius</i>	<i>IDUs: 47.4% (2009) SWs: 28.9% (2010) MSM: 8.1% (2010) Seafarers: 6.7% (2008)</i>	<i>0.48% (2010)</i>
Generalised Epidemic	No Reference	> 1 %

Situation in Mauritius

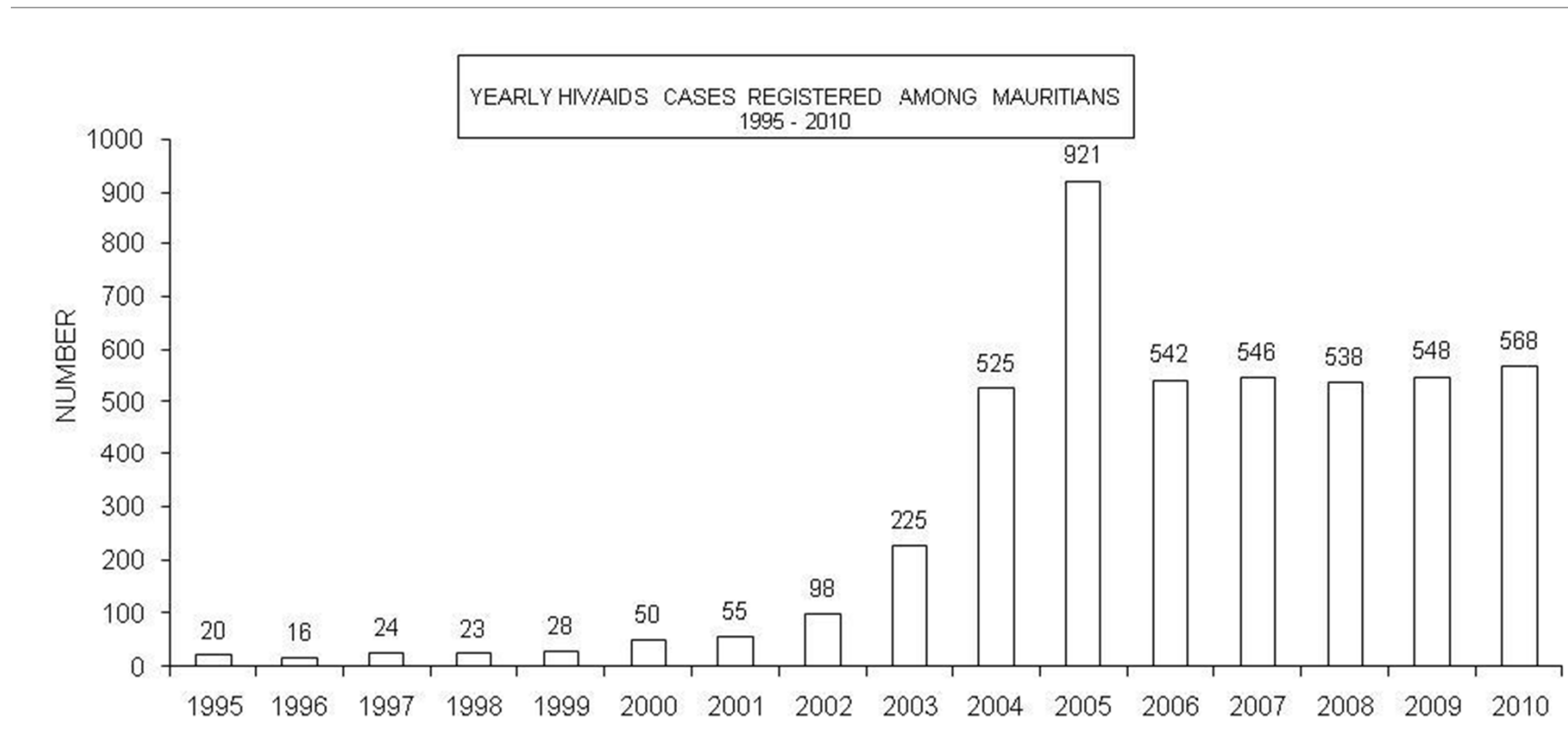
From 1987 to end of December 2010

- Detected cases of HIV/AIDS: with **4844 Mauritians (3905 males and 939 females)**.
- Sex ratio male to female is **4.3 : 1**
- Deaths due to HIV/AIDS reported : **484**
- **28 children** of age 1 to 14 years: **6 died, 7 on ART**
- Roughly an average of **540 new infections yearly since 2006**

Nombre Cumulatif de Nouveaux Cas de VIH Détectés



Distribution of detected cases



2009 UNAIDS estimate: The Prevalence is 0.97% (0.6 – 1.9%) equivalent to 7800 (6,000 – 12,000) people

No. of people		No. of off track people (Approx)	Probable Reasons
Detected cases As at Feb. 2011	4844	7800 – 4800 = 3000 (2000 – 7000)	Not informed or not aware of HIV Not feel concerned Not interested (IDUs) * Fear to do a test (Stigma) Fear to know the status Don't want to attend Public Services
Registered cases at the Day Care Centres for HIV	3000 Including Prisoners	(4800-3000) 1800	Denial Results not given Not interested (IDUs, CSWs) Stigma and Discrimination
Compliant to follow-up	2500	500	Stigma and Discrimination
CHALLENGE		Total = 5300	Urgent need for early diagnosis and treatment **

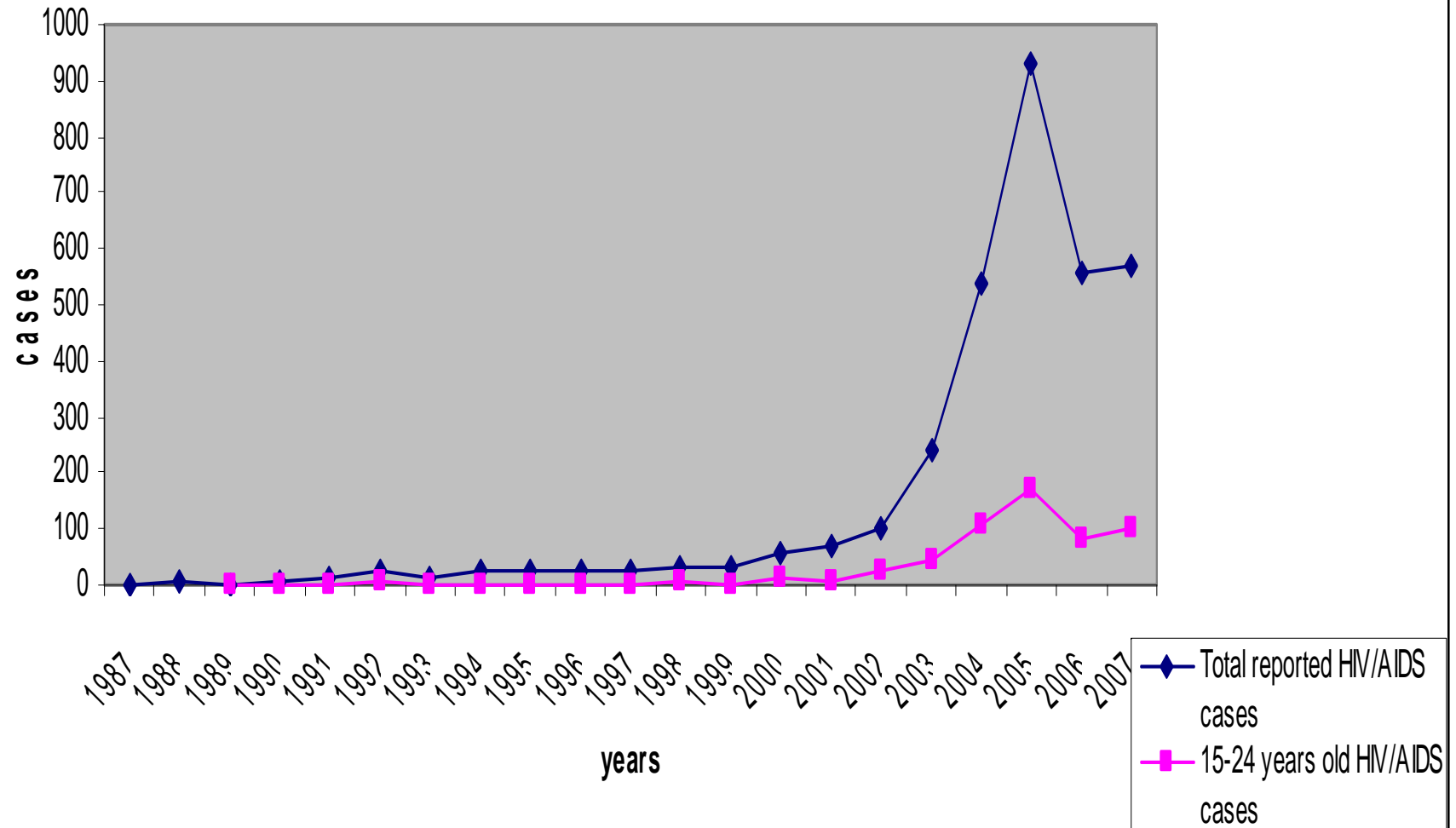
HIV Testing

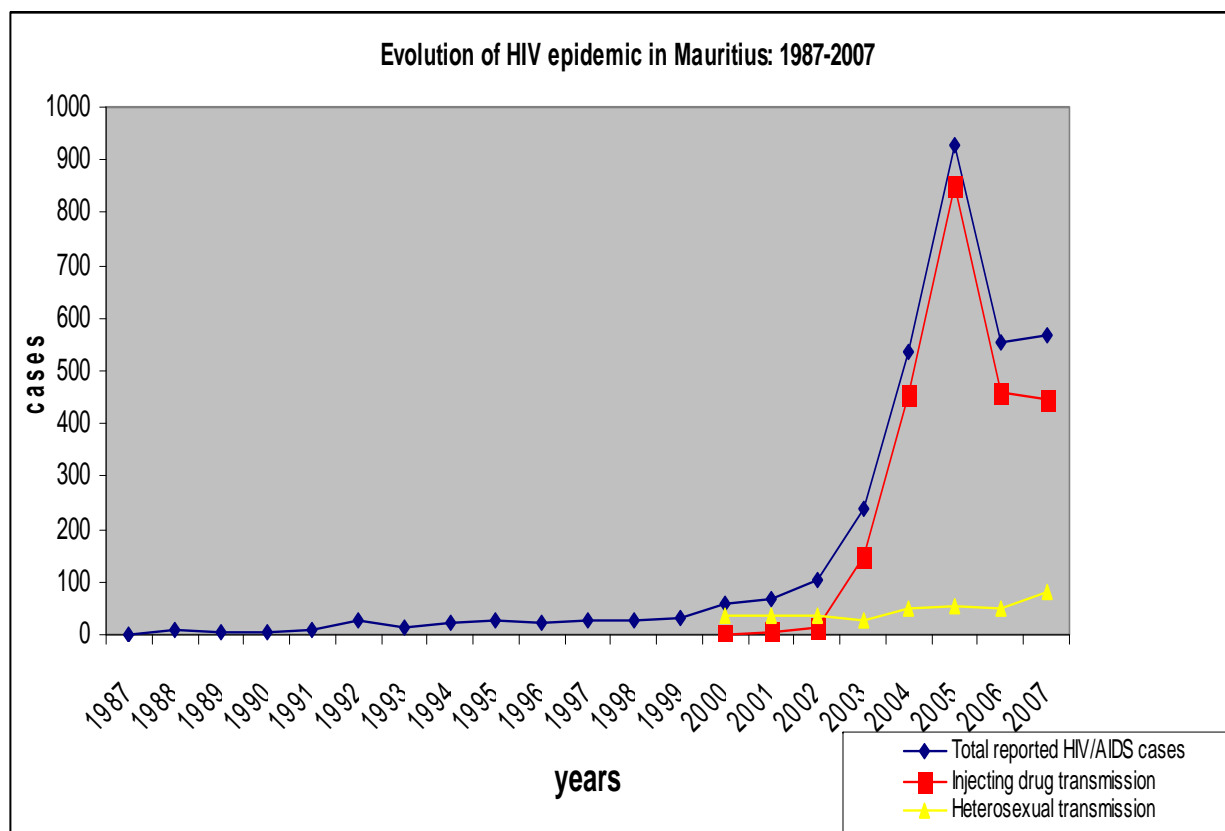
- The VCT services have been decentralized:
 - **2005:** all regional hospitals
 - **2006: in private clinics**
 - **February 2009:**
 - extended to all Area Health Centres and peripheral Hospitals.
 - Mobile screening services include a component of HIV and AIDS.
- National Strategy has been elaborated
- Guidelines have been finalised to allow NGOs to perform Rapid Tests where results are obtained after only 15 minutes
- Tests carried out annually: about 89000
 - 45000(Blood donors)+
 - 15000(ANC) +
 - 27000(pre-op/migrants/ PITC/ prison) +
 - 2000 VCT

From 1987 to end of December 2011

- Age Groups:
 - 15 to 24 years represent 18.5%; (1/5)
 - 25 to 39 years represent 54.6% (1/2)
- Mode of contamination:
 - 74.5 % through injecting drug use
 - 17.8 % heterosexual transmission

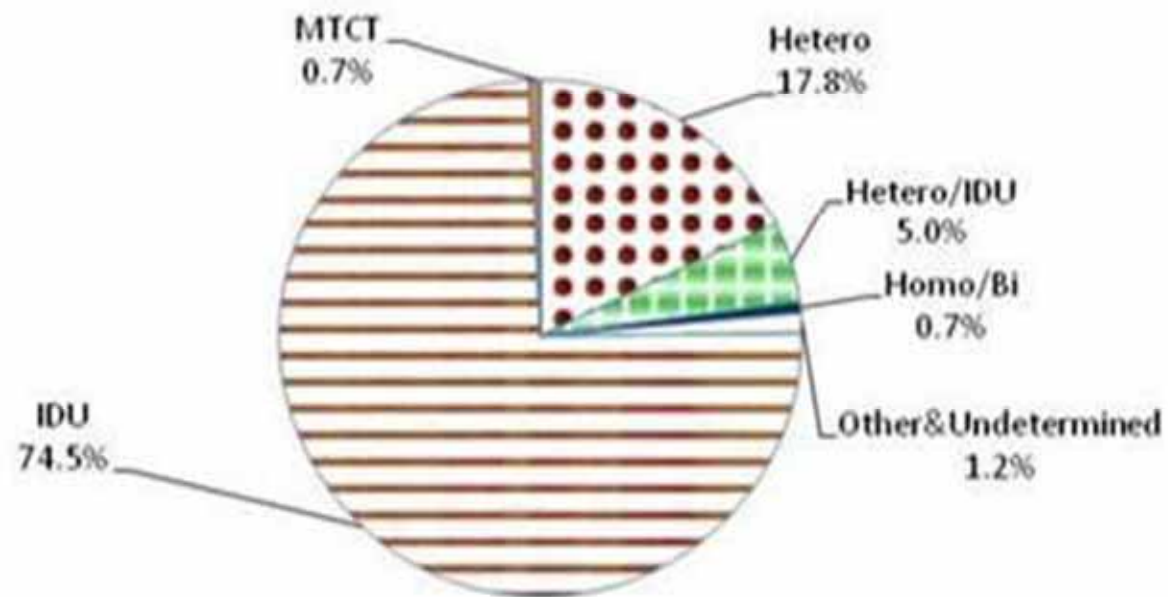
Pattern of HIV among 15-24 years olds





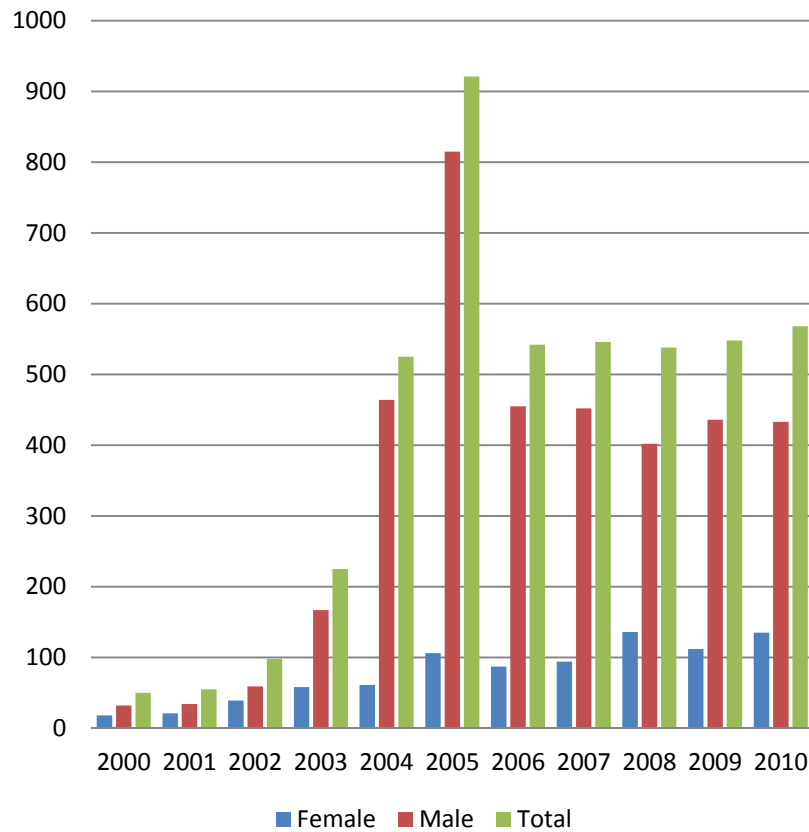
The observed sharp rise of reported HIV/AIDS cases in Mauritius is most likely due to increased HIV testing particularly among IDU in various institutions (prison, rehabilitation centres, outreach services)

**ALL HIV/AIDS CASES REGISTERED AMONG MAURITIANS,
FROM OCTOBER 1987 TO END OF DECEMBER 2010
BY MODE OF TRANSMISSION**

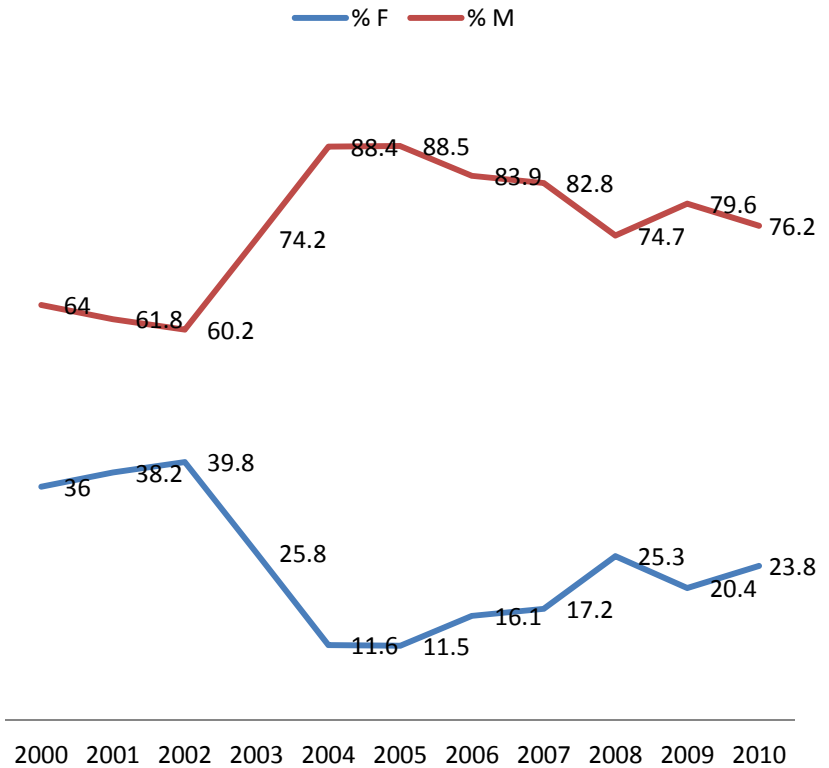


New detected cases according to sex

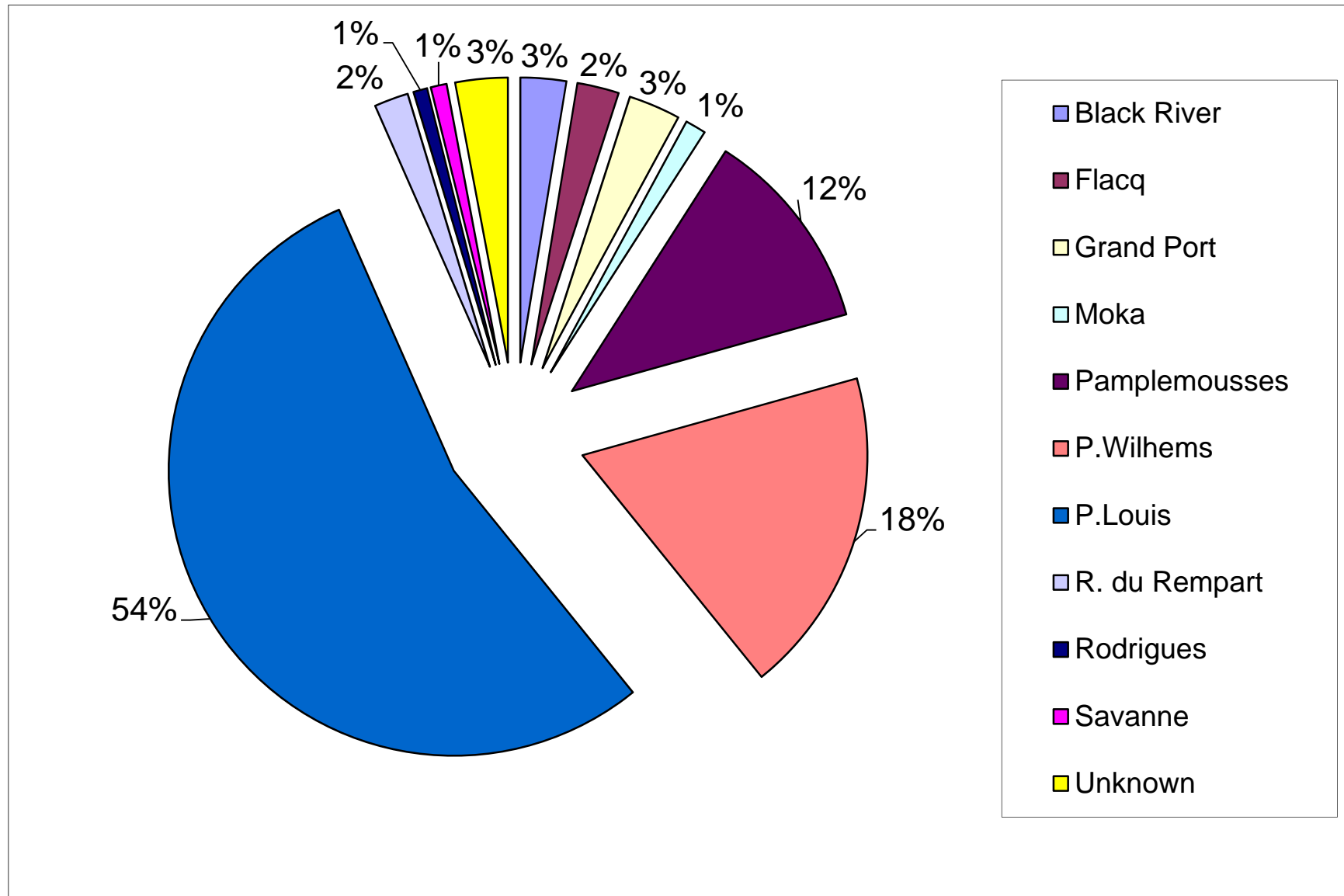
No. of new detected cases of HIV



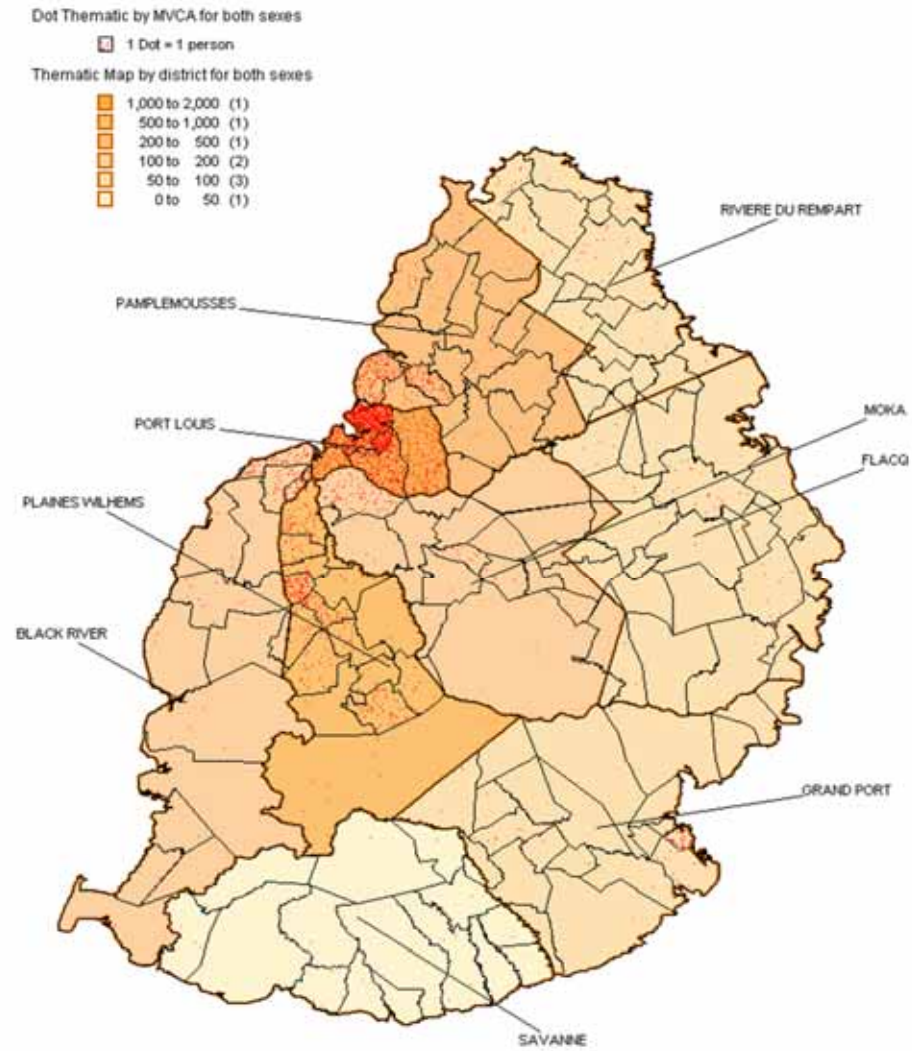
% of new detected cases of HIV according to sex



Cas de VIH positifs répertoriés par district



Mapping of HIV cases in Mauritius



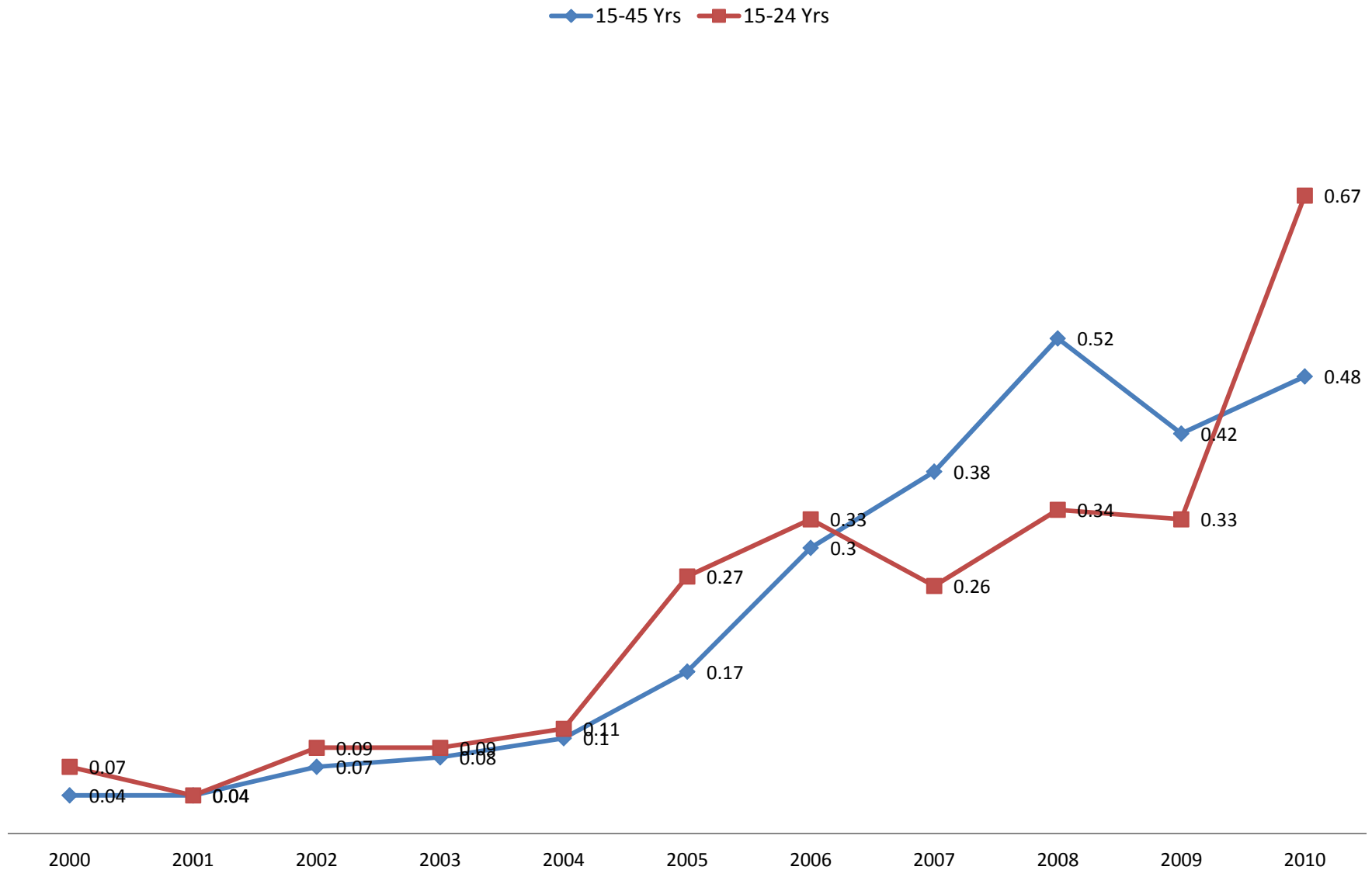
Sources : AIDS Unit, MOH & QL,
2008

AntiRetroviral Treatment - 2002

	No. Of Patients (Apxt)	Remarks
No. of people initiated on Antiretroviral Treatment	900 Based on Lymphocytes T CD4 cout <300/mm ³	New protocol: Increase the threshold of CD4 to 350 (WHO)
Death recorded	100	Diagnosed at a too late stage of the disease Non-AIDS Related = IDU
Adherent patients	650	
Lost to follow-up	150	Stigma and Discrimination IDUs activities???
No. of resistant cases	3	Stopped Rx when feeling well
New Caese on ART	Increasing no. yearly (150 Last year)	Half of patients diagnosed in AIDS Stage */**

Undiagnosed no. of people infected	5000	
No. of people in need of ARVs (CD4 <350 /mm ³)	10 -15% = 500 - 750	Where are they? Not Diagnosed yet. Attending hospitals in the AIDS Stage
CHALLENGE	Urgent need for early diagnosis and treatment	

HIV Prevalence in Pregnant Women

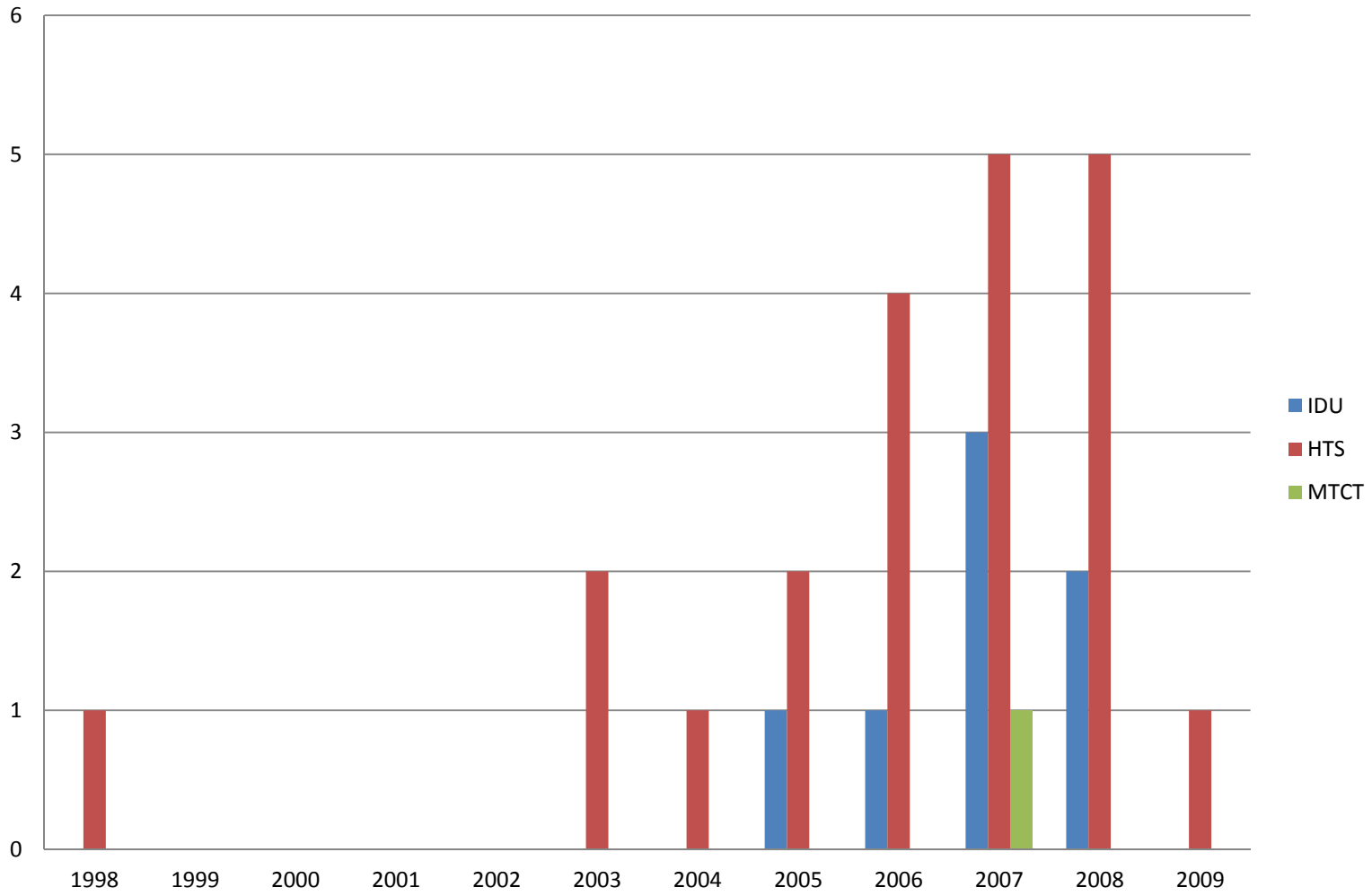


Paediatric HIV Cases

	New detected cases	Death Registered	Living with HIV
2000	7	0	7
2002	2	2	7
2005	4	1	10
2006	2	0	12
2007	3	0	15
2008	4	1	18
2009	6	0	24
2010	6	2	28
Total	34	6	28

Rodrigues island

Mode of Infection for the detected cases per year



Thank you

Introduction of Harm reduction strategies November 2006

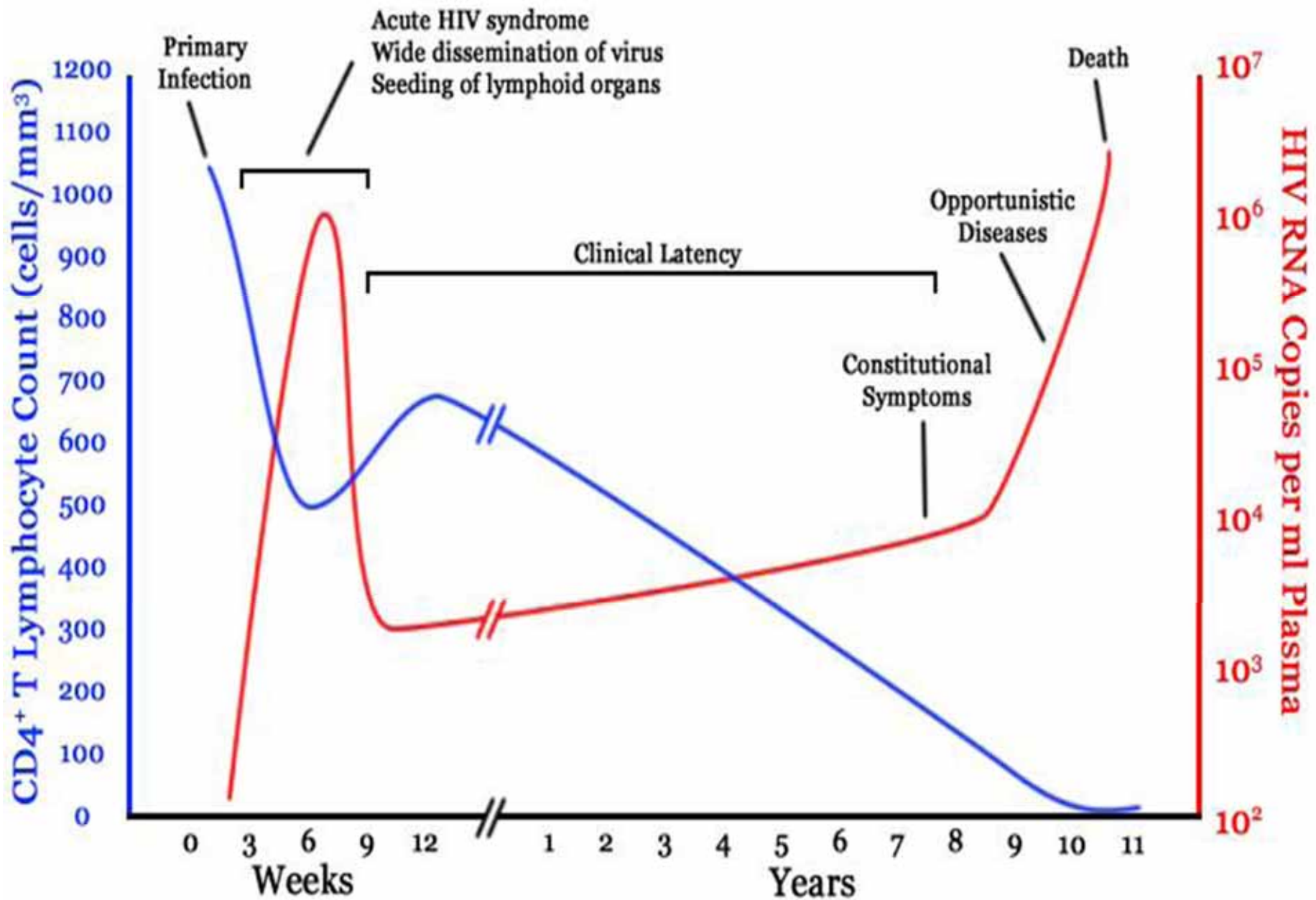
- Needle -Syringe Exchange Programme
- Methadone Substitution Therapy

Needle -Syringe Exchange Programme

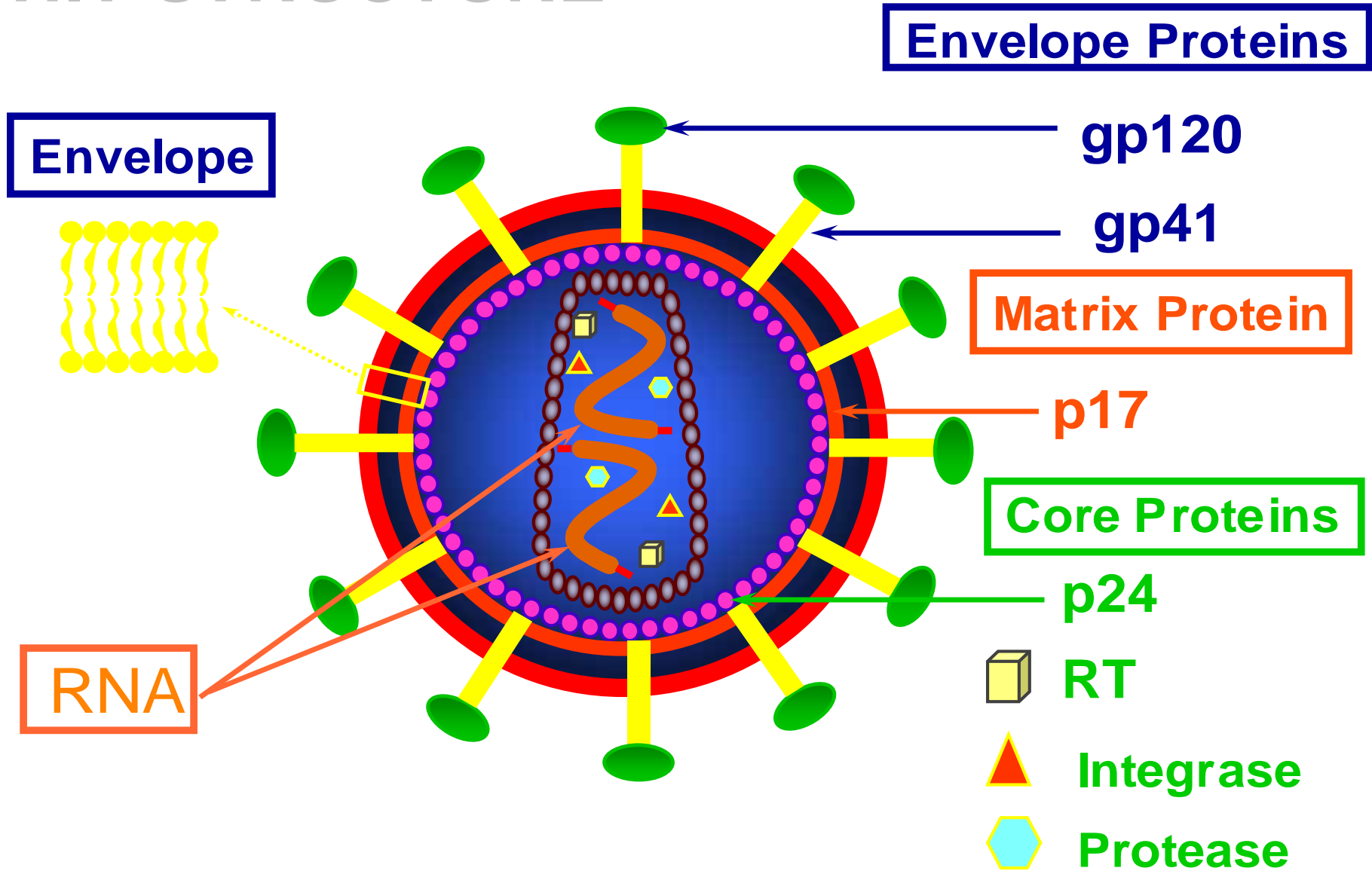
- **November 2006:** Introduction of the NEP by NGOs with the support of the Ministry.
- **December 2006: Enactment of HIV and AIDS Act**
 - **(WHO- local consultant; UNHCR; UNDP)** allowing NEP
- **May 2007:** Financial support to NGOs(allowance to social worker + material) to carry out NEP. (around 600 clients reached by NGOs to date: 8 sites)
- **As at May 2008:** Two mobile caravans have been made available and staff of the Ministry also carries out the NEP
- **As at December 2010:** MOH is covering 35 sites and NGOs 9 sites touching about 5600 clients around the island
- **Challenge was to enhance Quality of these services:**
 - Training in psycho-social support for service providers and Peer Educators
 - Opening of drop-in centres : one-stop shop allowing more interaction between client and provider

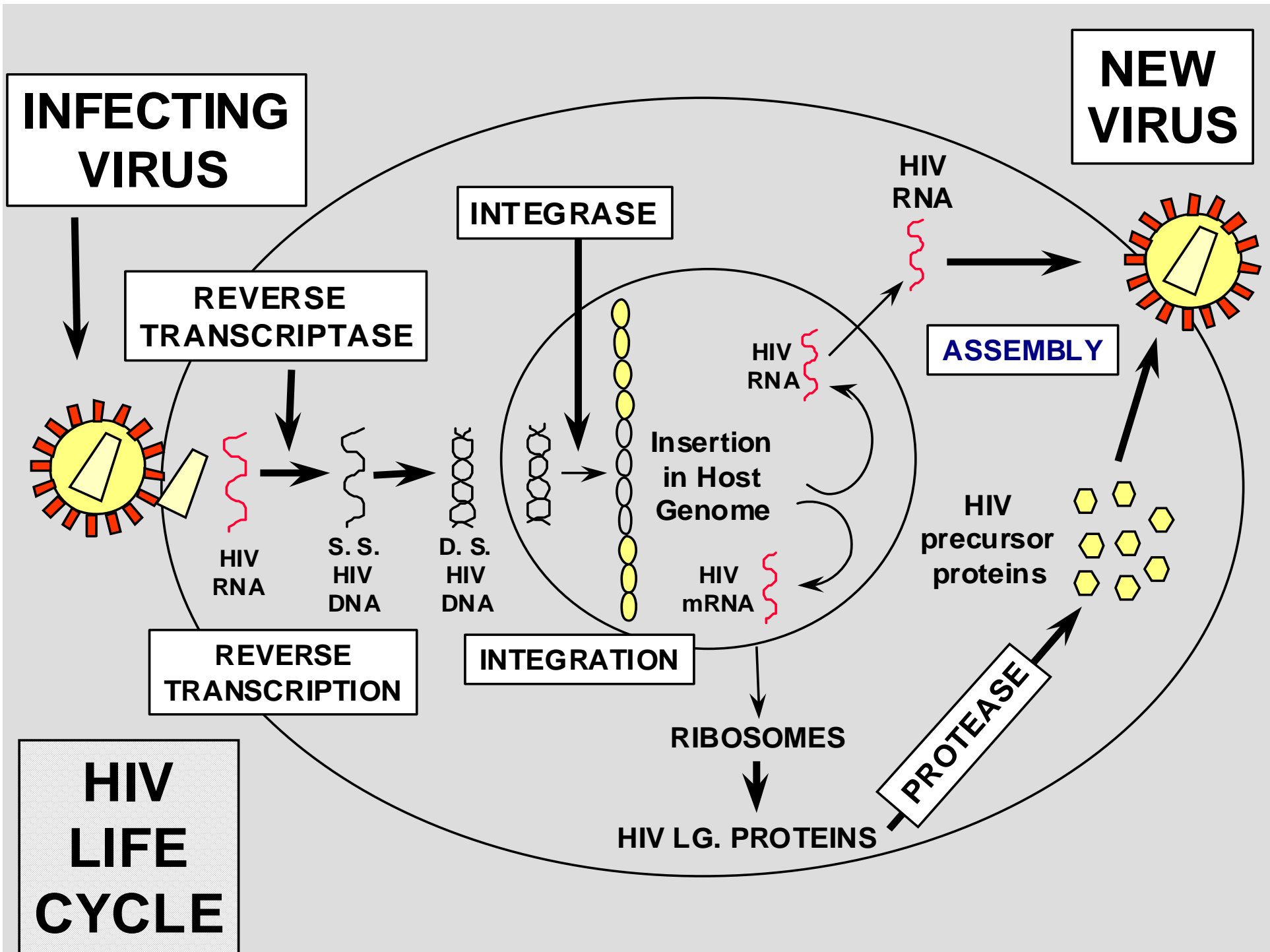
Methadone Substitution Therapy (MST) Programme

- **21 November, 2006:** Introduction of MST Programme at the National Detoxification Centre.
- **10 March 2008:** Opening of National Methadone Substitution Therapy Centre (Female).
- **Currently about 3844 clients (of whom 237 females)** have been induced on Methadone Substitution Treatment.
- **MST initiation on an outpatient daycare basis** is available at Mahebourg Hospital & Ste Croix
- **Dispensing MST Units: 16 in all including**
 - 1 is operational at each of the 5 **Regional hospitals,**
 - 1 at **Brown Sequard Mental Health Care Centre,** and
 - 1 at **Bouloux AHC (ex:NDCCI)**

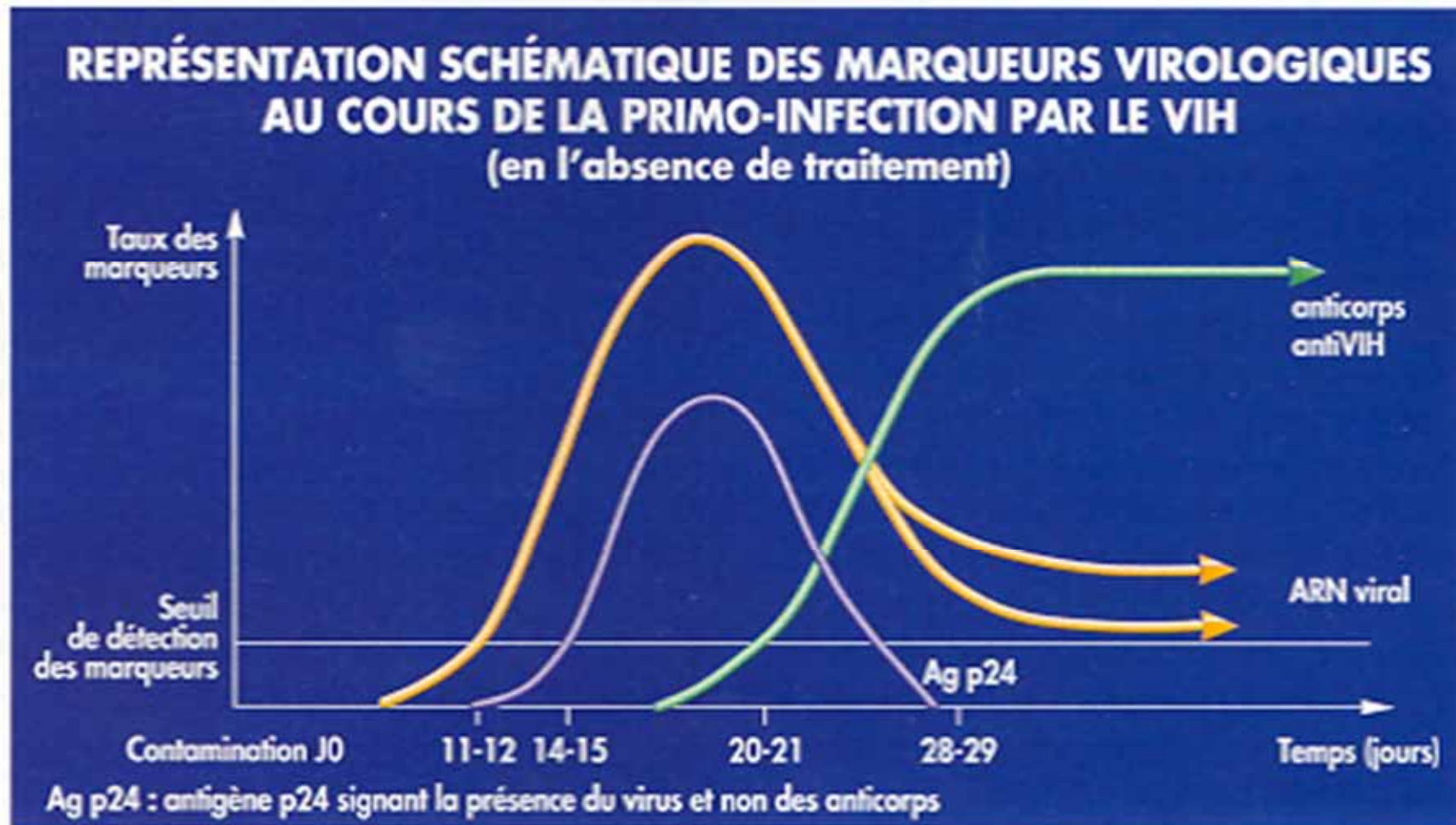


HIV STRUCTURE





Diagnostic Techniques



PMTCT prophylaxis

- Dec 1999:
 - Prophylaxis PMTCT by monotherapy: AZT
 - Provision of artificial milk for 2 years free of user cost
- April 2004: Combined triple therapy started
- Target:
 - Combined therapy with undetectable viral load at week 34 : normal delivery given higher morbidity with caesarean section
- Challenges
 - From 69% in 2009, 81 % compliance reached in 2010 though difficult client tracing
 - Non-compliance to PMTCT prophylaxis mainly among IDUs and SWs
 - PMTCT prophylaxis now starting at 14 wk of pregnancy instead of 26 wk