Building Demand and Preparing for Second-line Switching

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Scaling-up Access to HIV Viral Load Testing

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HIV Burden in Kenya

1.6 million

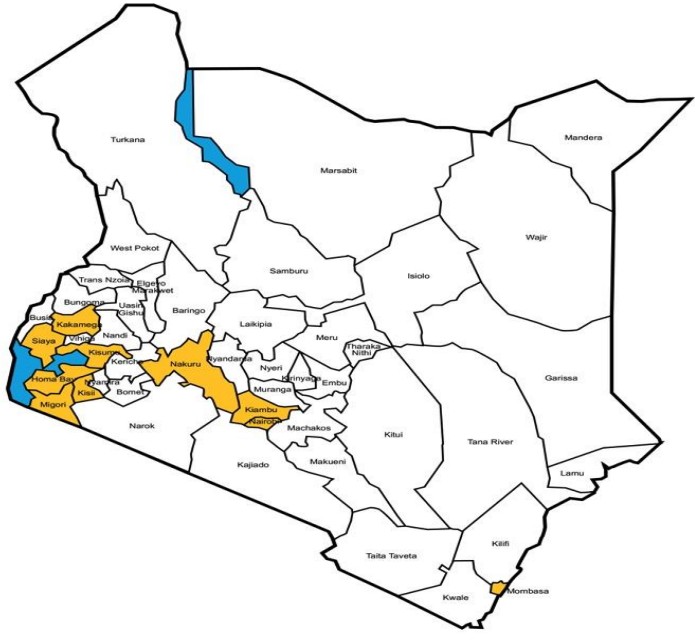
Kenyans were living with HIV in 2013

191,840

Children (0-14 years) were living with HIV in 2013

National HIV Prevalence is 6%

5.6% | 7.6%



County	Estimated PLHIV
Nairobi	177,552
Homabay	159,970
Kisumu	134,826
Siaya	128,568
Migori	88,405
Kisii	63,715
Nakuru	61,598
Kakamega	57,952
Mombasa	54,670
Kiambu	46,656

Sources: Kenya HIV Estimates Technical Report 2013
NASCOP Key Population Estimates Concensus Report 2012

- Mixed epidemic
  - Generalized and key populations
  - Over 80,000 new infections annually
  - Over 900, 000 PLHIV on ART

Kenya AIDs Strategic Framework 2014/15-2018/19

The Vision

A Kenya free of HIV new HIV infection, stigma and AIDS related deaths

The Goal

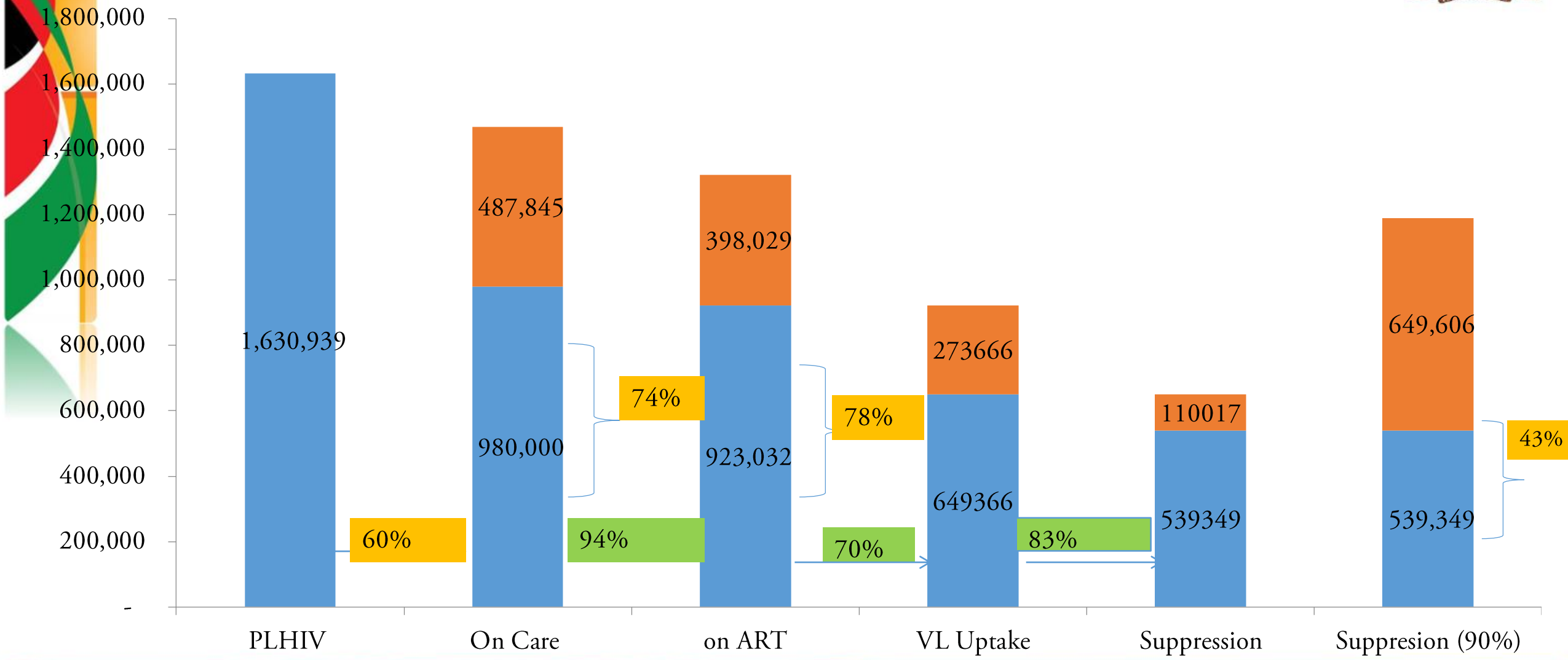
Contribute to achieving Vision 2030 through universal access to comprehensive HIV Prevention, Treatment and Care

Objectives

Reduce new infections by 75%	Reduce AIDS related mortality by 25%	Reduce HIV related stigma and discrimination by 50%	Increase domestic financing of the HIV response to 50%

Priority Interventions and Recommended Actions; SD 1 - 8 .

HIV Cascade


1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
1,630,939
487,845
980,000
398,029
923,032
273666
649366
110017
539349
649,606
539,349
60%
74%
94%
78%
70%
83%
43%
PLHIV
On Care
on ART
VL Uptake
Suppression
Suppresion (90%)

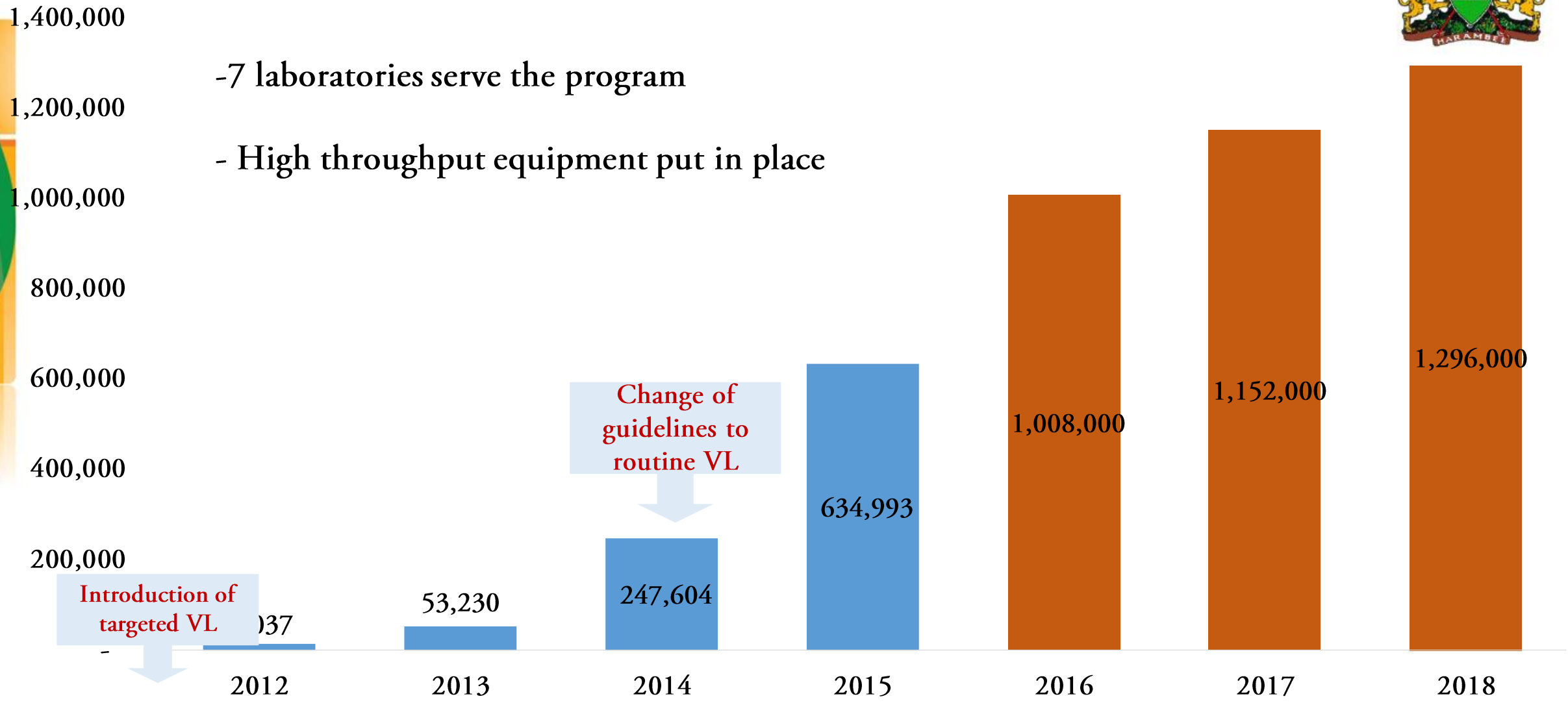
Building Demand

- 3rd line & therapeutics technical working group constituted in 2012
- In 2013 developed an advanced HIV training with university of Nairobi & University Maryland
- Viral load testing made routine in 2014 October- more than 10 fold increase in after shift from targeted to routine testing
- In 2015 developed toolkit for third line management and oriented health facilities
- F & Q in 2014/ 2015 considered potential increased need for 2nd line and 3rd line

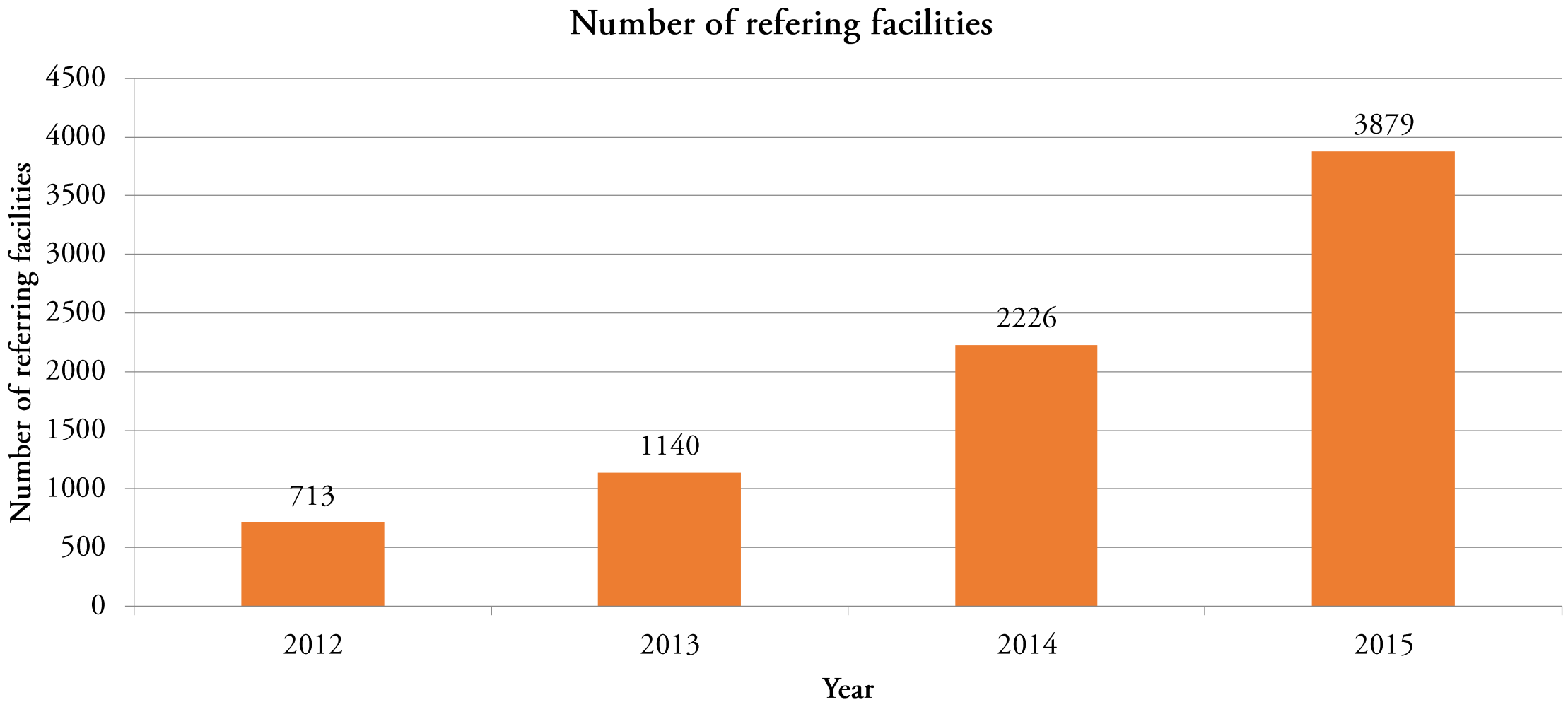
Scale up of routine VL Testing

-7 laboratories serve the program

- High throughput equipment put in place



Scale up in VL testing



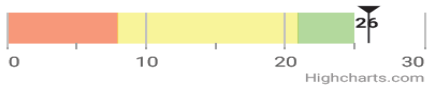
Data

NATIONAL

Year: 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018

Month: All | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |

National TAT (Days)



Key

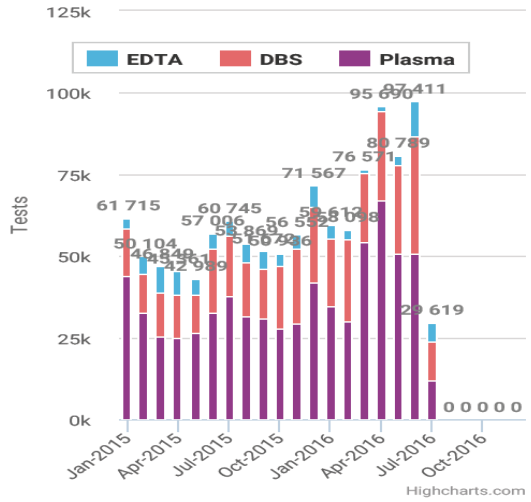
Collection Receipt (C-R)

Receipt to Processing (R-

Processing Dispatch (P-D

Collection Dispatch (C-D

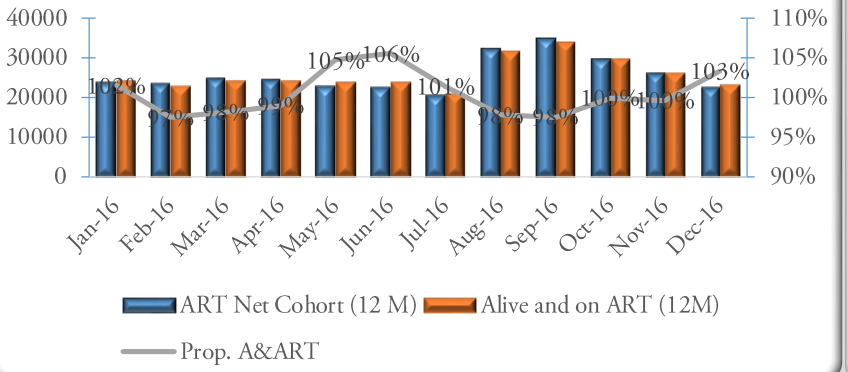
Testing Trends (2015 - 2016)



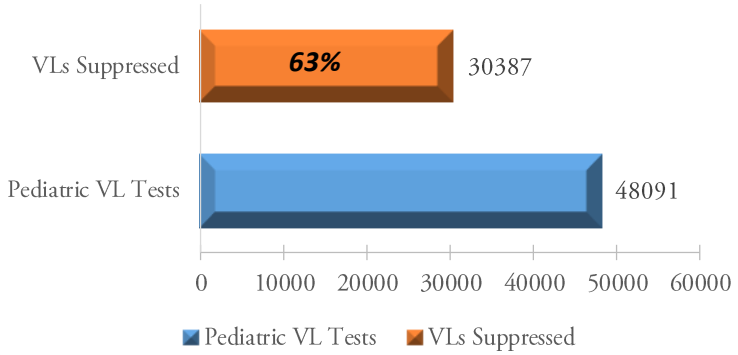
View....

Baringo	Bomet	Bungoma	Busia	Elgeyo-Mara...	Embu	Garissa	Homa Bay	Isiolo	Kajiado	Kakamega	Kenya
Kericho	Kiambu	Kilifi	Kirinyaga	Kisii	Kisumu	Kitui	Kwale	Laikipia	Lamu	Machakos	Makueni
Mandera	Marsabit	Meru	Migori	Mombasa	Muranga	Nairobi	Nakuru	Nandi	Narok	Nyamira	Nyandarua
Nyeri	Samburu	Siaya	Taita Taveta	Tana River	Tharaka Nithi	Trans-Nzoia	Turkana	Uasin Gishu	Vihiga	Wajir	West Pokot

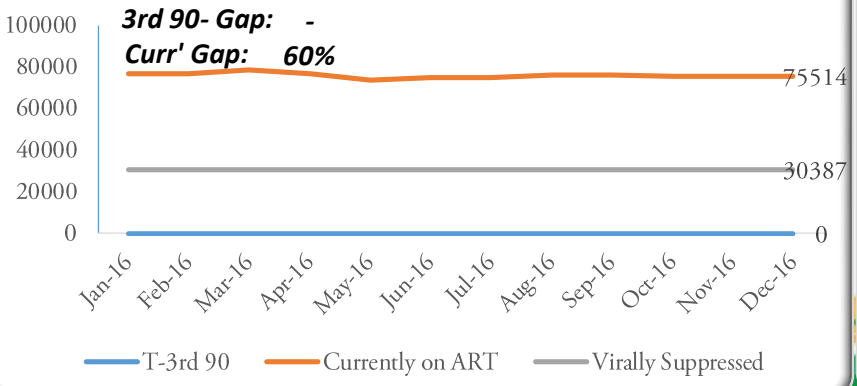
Trend: Survival and Retention on ART (12 Months)



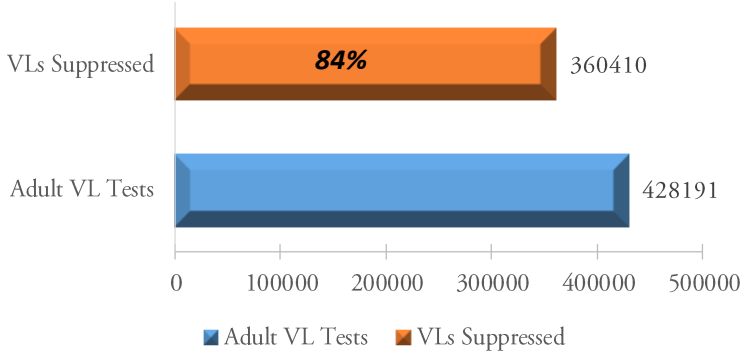
Children Viral Load Testing and Suppression



Progress towards 3rd 90 for Children



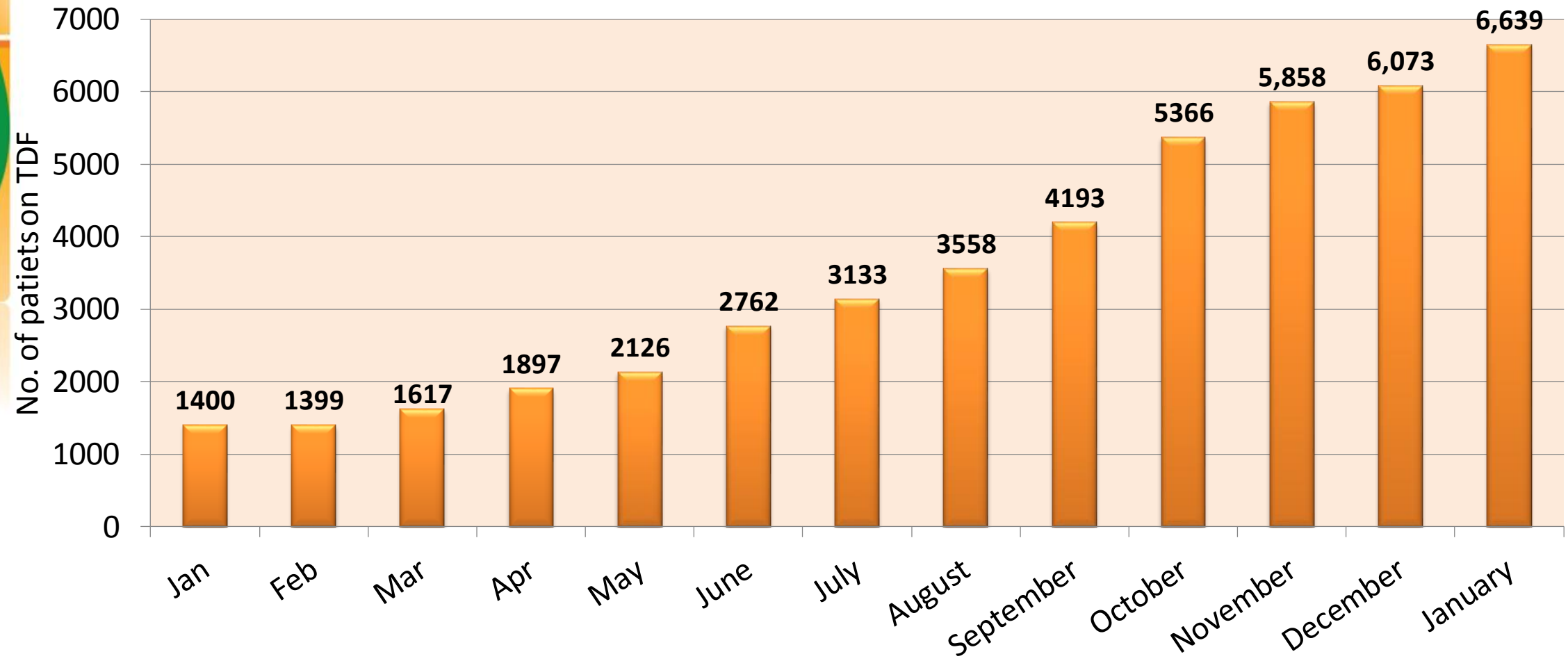
Adult Viral Load Testing and Suppression



Growth in Second Line

Month / Year	*Total Adult ART Patients*	*2nd line*	*% of 2nd line out of total Adult patients on ART*
Jun-13	561,774	26,225	4.67%
Sep-13	580,493	26,814	4.61%
Dec-13	596,228	28,021	4.70%
Mar-14	608,504	28,620	4.70%
Jun-14	626,027	29,746	4.75%
Sep-14	664,874	32,014	4.82%
Dec-14	689,155	33,195	4.82%
Jan-15	697,647	34,006	4.87%
Feb-15	706,170	34,839	4.93%
Mar-15	719,120	34,971	4.86%
Apr-15	729,555	36,344	4.98%
May-15	736,469	42,012	5.70%
Jun-15	747,468	39,030	5.22%
Jul-15	757,288	37,701	4.98%
Aug-15	766,918	38,689	5.04%
Sep-15	777,545	36,366	4.68%
Oct-15	792,283	50,011	6.31%

Trends in ATV/r Patients



Key Issues

- Turn around time for VL: Declined from > 60 days to < 25 days. Delays occur at multiple places
- Results available through multiple platforms
- Clinical practice:
  - Filling of results
  - Take too long to make decisions

Ongoing Efforts

- Improvement of laboratory efficiency: equipment , reagents, staffing, data systems
- Health worker capacity building:
  - Advanced course: Key focus on preventing and managing treatment failure (150 trained)
  - Regional teams of clinical mentors
  - County teams monitor 90-90-90 cascade
  - Quality improvement
  - Linking of data systems & integration of decision support tools

Acknowledgements

- NASCOP
- NHRL
- CHAI
- PEPFAR ; USAID & CDC