

3 - 4 MAY 2018

# 2018 CONTROLLING THE HIV EPIDEMIC SUMMIT

## Sharing National and Subnational Experiences- Brazil

Fernanda Rick  
Ministry of Health, Brazil

# 10 things about Brazil and its HIV epidemic

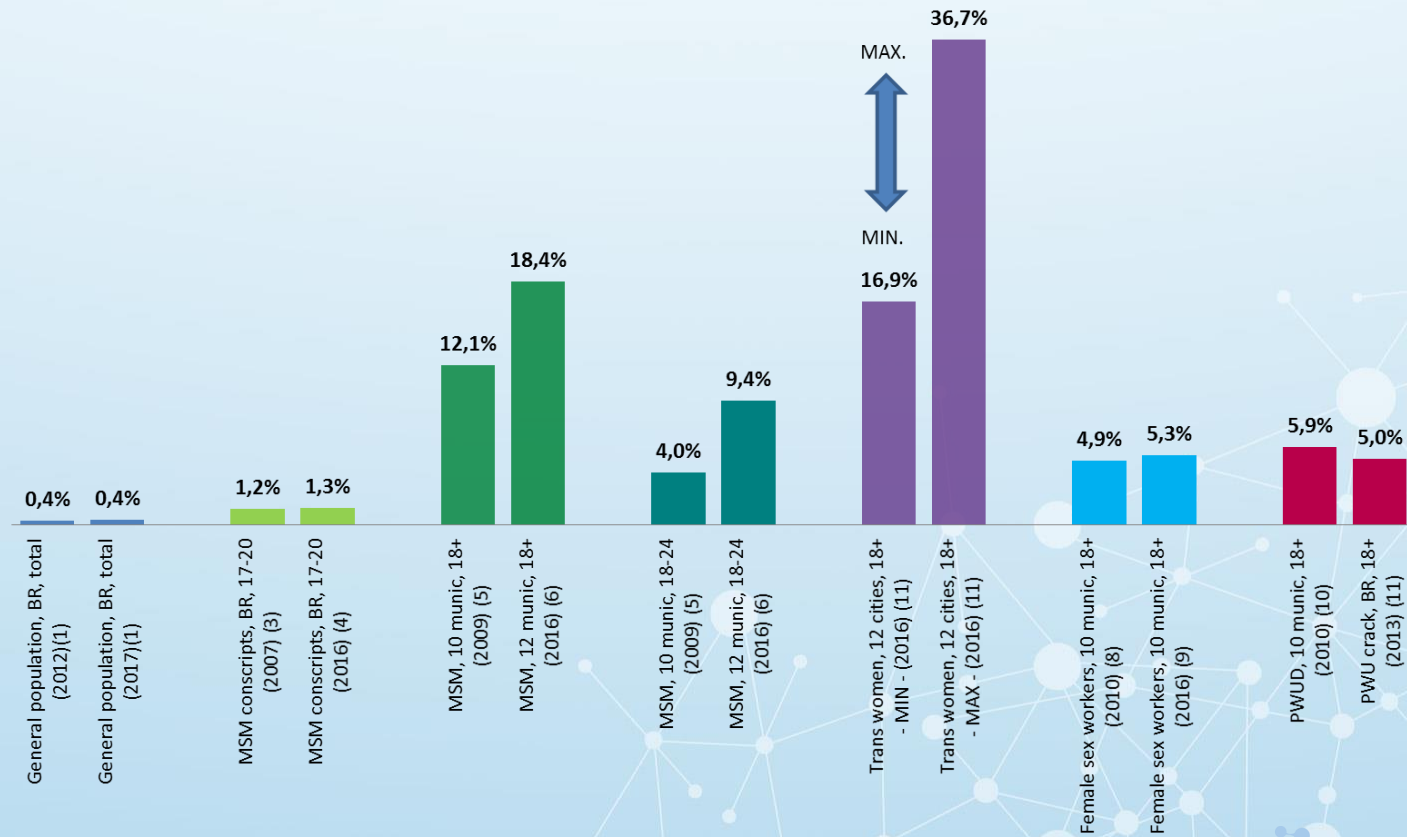
1. 200M population, 50% living in the Southeast region
2. 27 States, 5,561 municipalities
3. 1988: right to health care was established in the Federal Constitution by Universal Health System (SUS)
4. Largest country in LAC and, consequently, hosts the largest HIV epidemic
5. First AIDS case was reported in 1982
6. 1996: **free and universal access to ART** was guaranteed by SUS



# 10 things about Brazil and its HIV epidemic

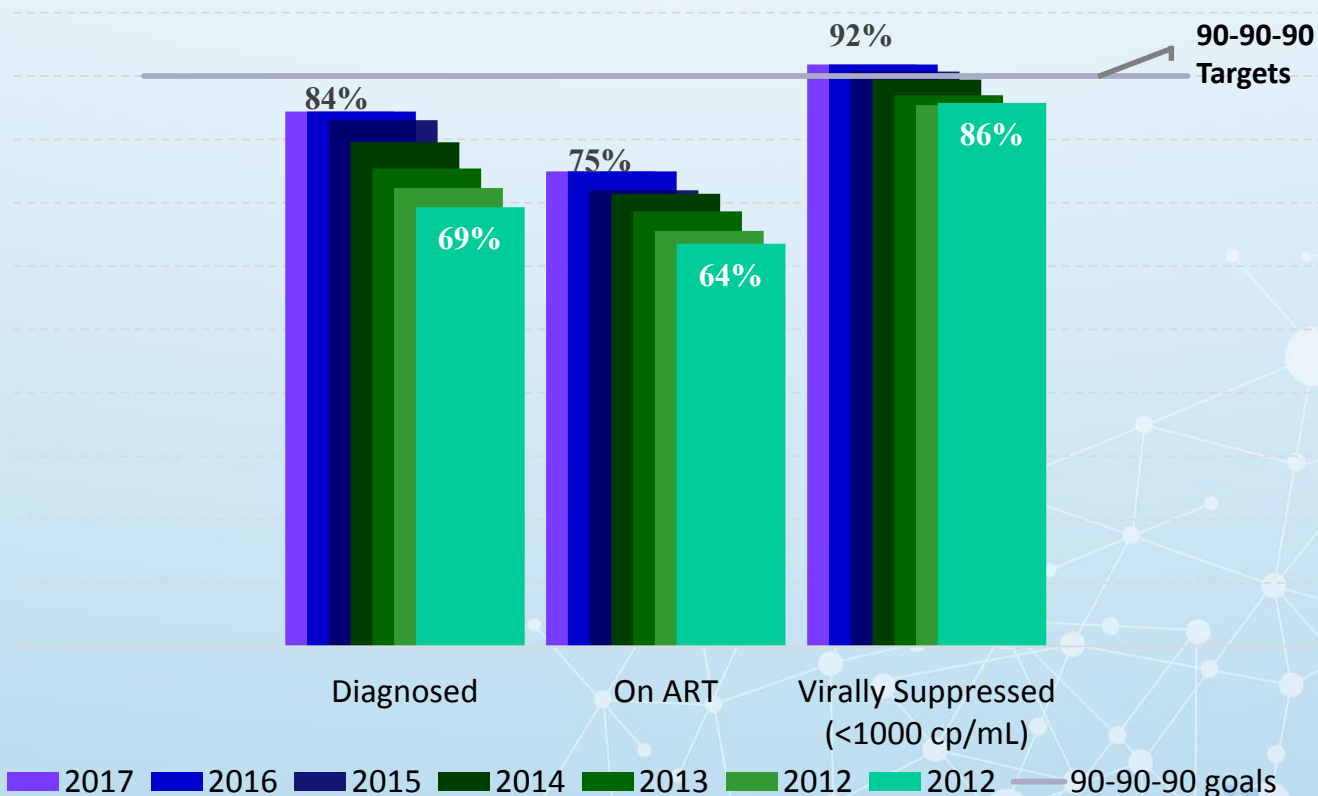
7. 2000: initiation of national production of several ARVs
8. HIV epidemic is concentrated in KP and big cities
9. December 2013: first developing country and third country in the world to implement **treatment for all (free of charge)**
10. In 2017, ~70K people initiated ART in Brazil and, by December 2017, more than half million PLWHIV were on ART

# HIV Prevalence in General and Key Populations, 2007-2016

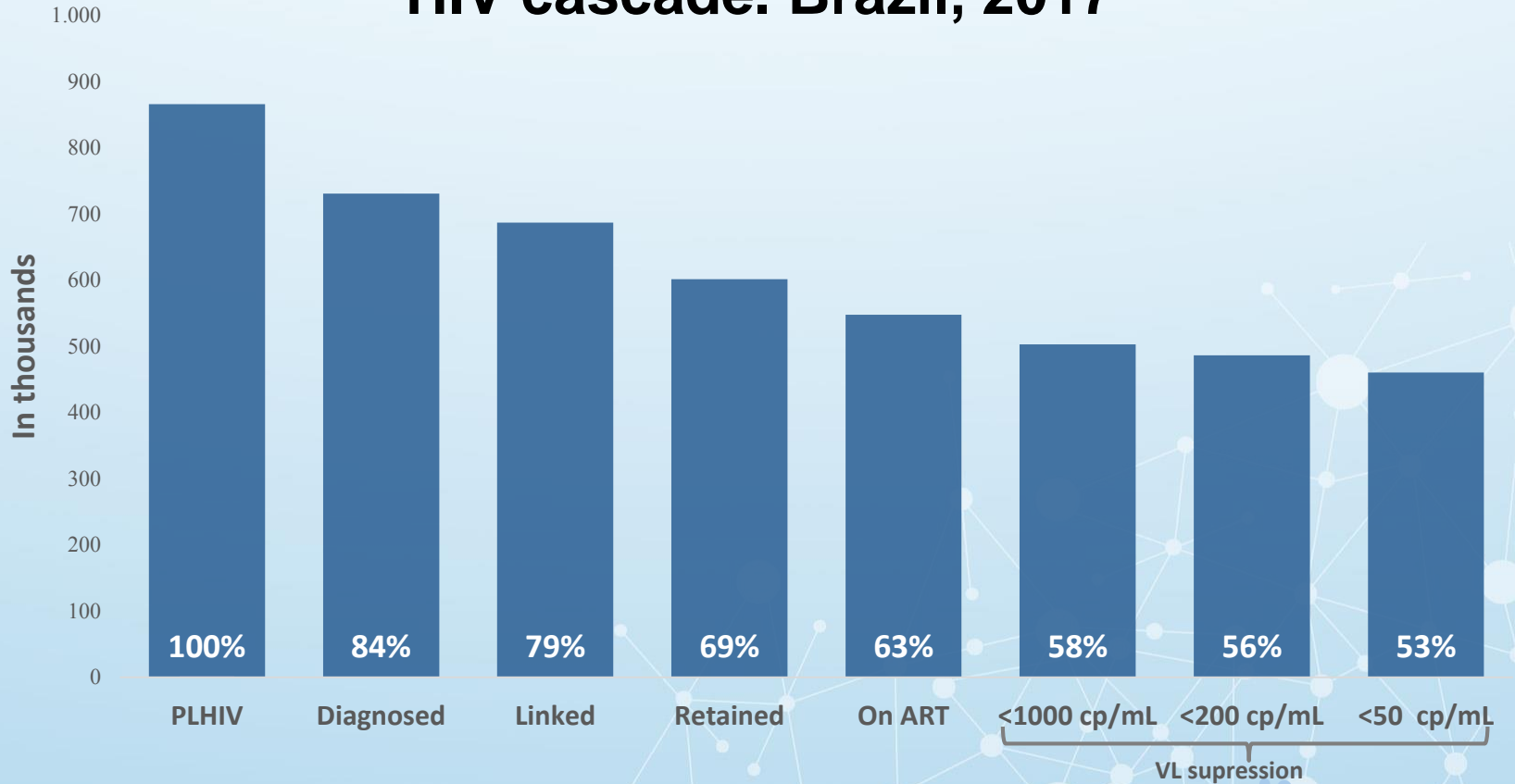


Sources: (1) BRASIL. Ministério da Saúde. Secretaria de Vigilância em Saúde. Departamento das IST, do HIV/aids e das Hepatites Virais. Relatório de Monitoramento Clínico do HIV. Brasília, 2016; (2) BRASIL. Ministério da Saúde. Secretaria de Vigilância em Saúde. Departamento das IST, do HIV/aids e das Hepatites Virais. Relatório de Monitoramento Clínico do HIV. Brasília, 2017; (3) Szwarcwald et al. Práticas de risco relacionadas à infecção pelo HIV entre jovens brasileiros de 17 a 20 anos em 10 municípios brasileiros. Relatório técnico entregue ao Departamento de DST, AIDS e Hepatites Virais, 2009; (4) Szwarcwald et al. Práticas de risco relacionadas à infecção pelo HIV entre jovens brasileiros de 17 a 20 anos em 10 municípios brasileiros. Relatório técnico entregue ao Departamento de DST, AIDS e Hepatites Virais, 2016; (5) Kerr, L. Comportamento, atitudes, práticas e prevalência de HIV e sífilis entre homens que fazem sexo com homens (HSH) em 10 cidades brasileiras. Relatório técnico entregue ao Departamento de DST, AIDS e Hepatites Virais, 2009; (6) Kerr, L. Comportamento, atitudes, práticas e prevalência de HIV e sífilis entre homens que fazem sexo com homens (HSH) em 12 cidades brasileiras. Relatório técnico entregue ao Departamento de DST, AIDS e Hepatites Virais, 2017; (7) Damasceno et al. Risco de infecção por HIV e sífilis entre trabalhadores do sexo em 10 cidades brasileiras. J. Acquir Immune Defic Syndr. 2011 Aug;57 Suppl 3:S144-52; (8) Damasceno et al. Risco de infecção por HIV e sífilis entre trabalhadores do sexo em 10 cidades brasileiras. Relatório técnico entregue ao Departamento de DST, AIDS e Hepatites Virais, 2010; (9) Szwarcwald et al. Comportamento, atitudes, práticas e prevalência de HIV e sífilis entre mulheres profissionais do sexo em 12 cidades brasileiras. Relatório técnico entregue ao Departamento de DST, AIDS e Hepatites Virais, 2010; (10) Bastos et al. Pesquisa Divas: Diversidade e Valorização da Saúde. Estudo de abrangência nacional de comportamentos, atitudes, práticas e prevalência de HIV, Sífilis e Hepatites B e C entre travestis e mulheres trans, Apresentação realizada em março de 2018; 5

# 90-90-90 Targets. Brazil, 2012-17



# HIV cascade. Brazil, 2017



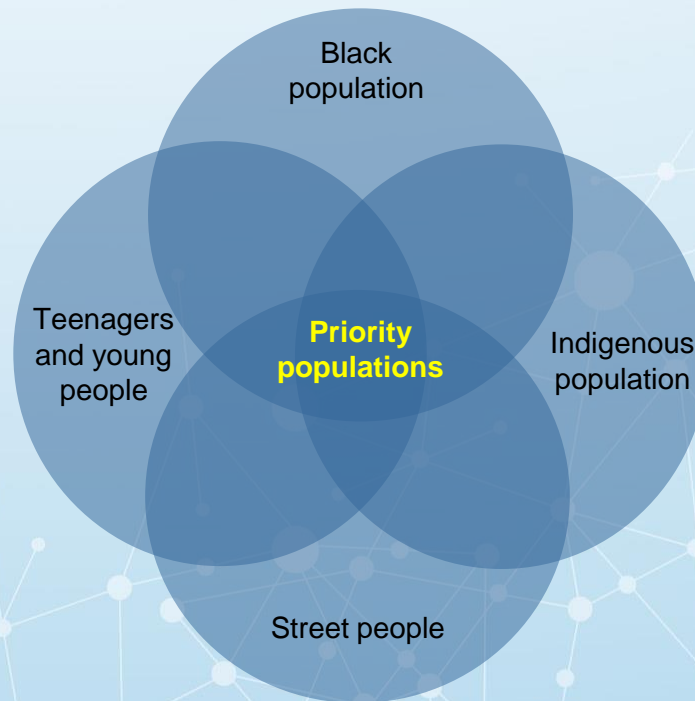
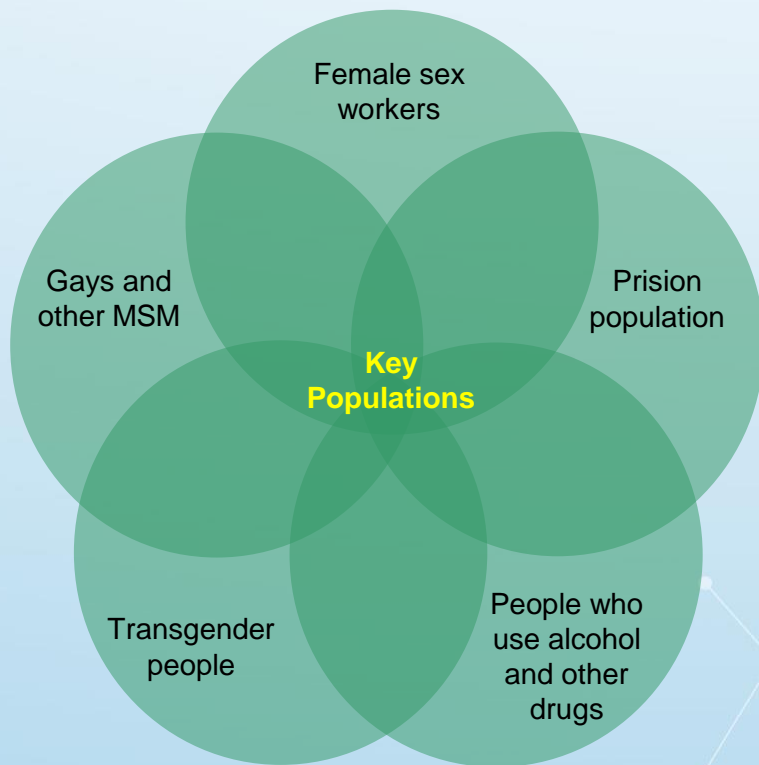
# Ensure access to combination prevention options in Brazil since 2013



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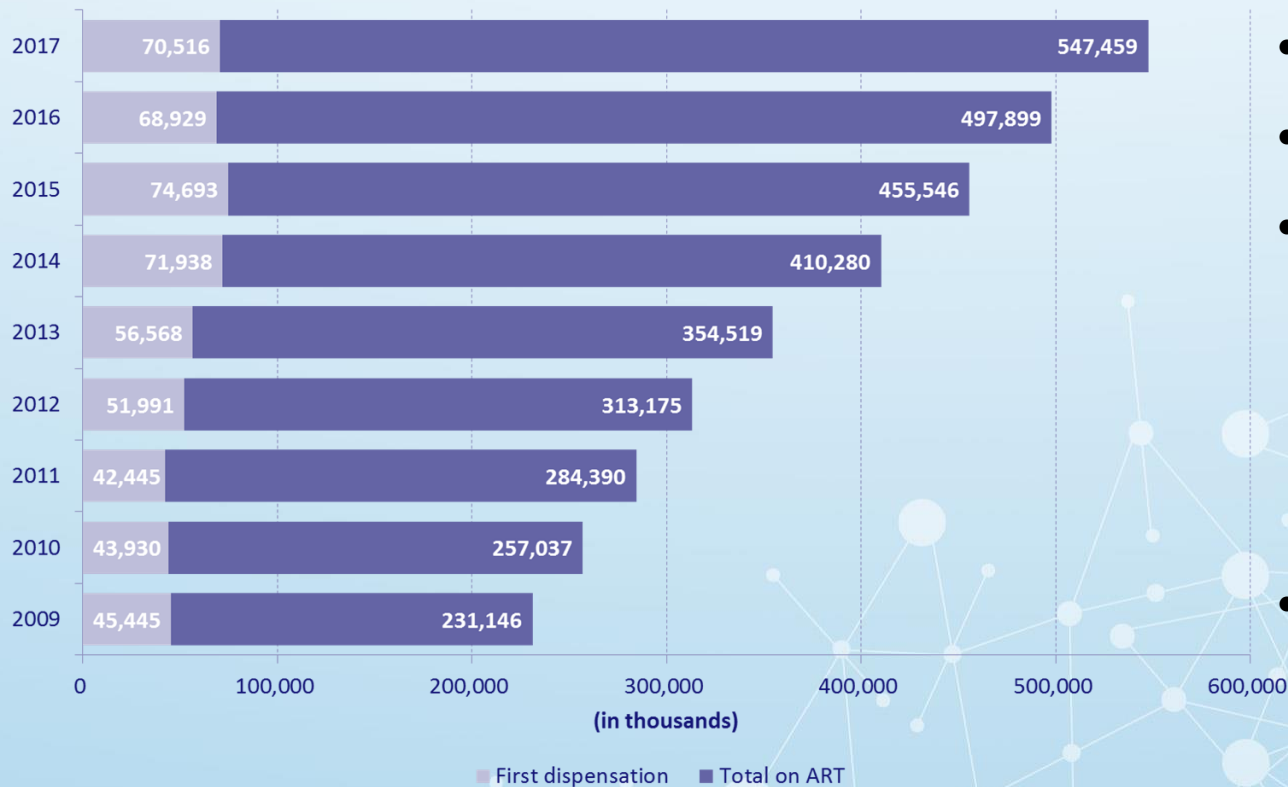
Source: Department of STIs, HIV/AIDS and Viral Hepatitis – MoH Brazil

# Key and Priority Populations





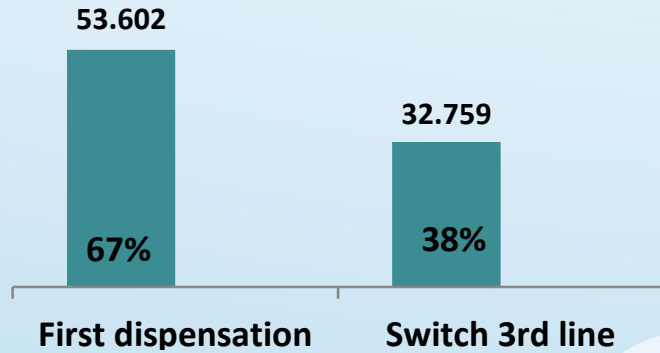
# Treatment for All



- Since December 2013
- Combined fixed-dose
- 2017, DTG was incorporated for 1<sup>st</sup> line preferred regimen and salvage therapy (except for HIV/TB, pregnant women and <12yo)
- Ongoing DTG pharmacovigilance

# Dolutegravir Pharmacovigilance in Brazil (April 2017 to Feb. 2018)

## Distribution of PLWHIV using DTG according to prescription

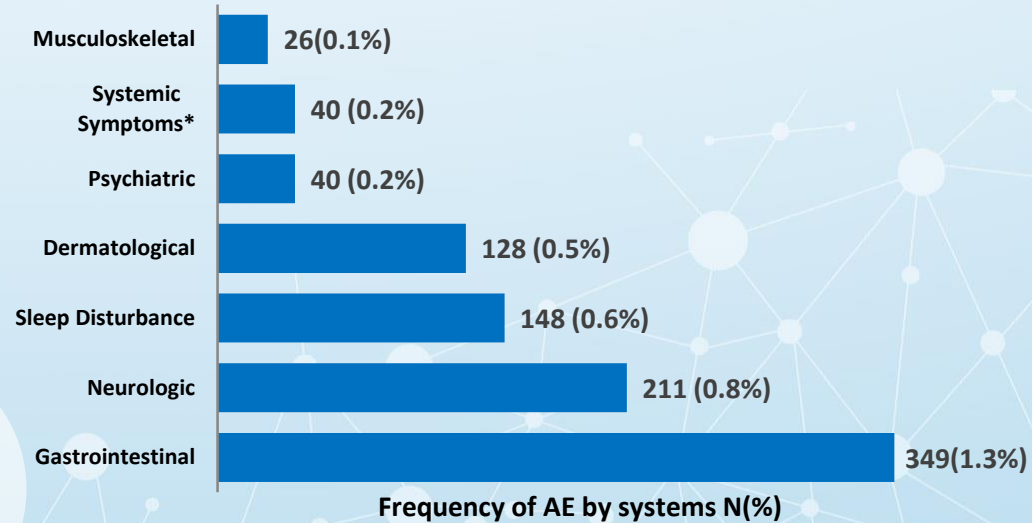


97% filled the pharmacovig. form: 2,1% reported adverse events

## N. of patients who had an adverse event to DTG

Total	1,799
1st line	1,337
3rd line	462

## Most frequently reported adverse events



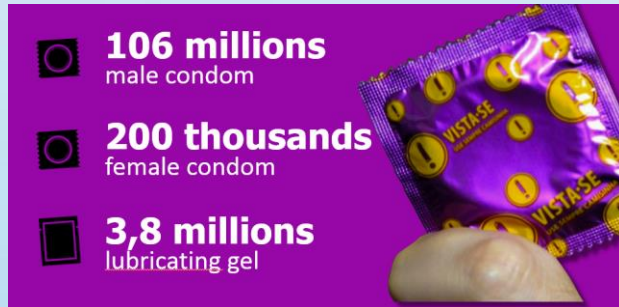
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# Acquisition, distribution and incentive to the use of condoms and lubricant gel

## Distribution

2012 – 2017:

- Male condoms: **2,7 billion**
- Female condoms: **61 million**
- Lubricant gel: **163 million**



**\*During Carnival, 2018**

## Campaigns

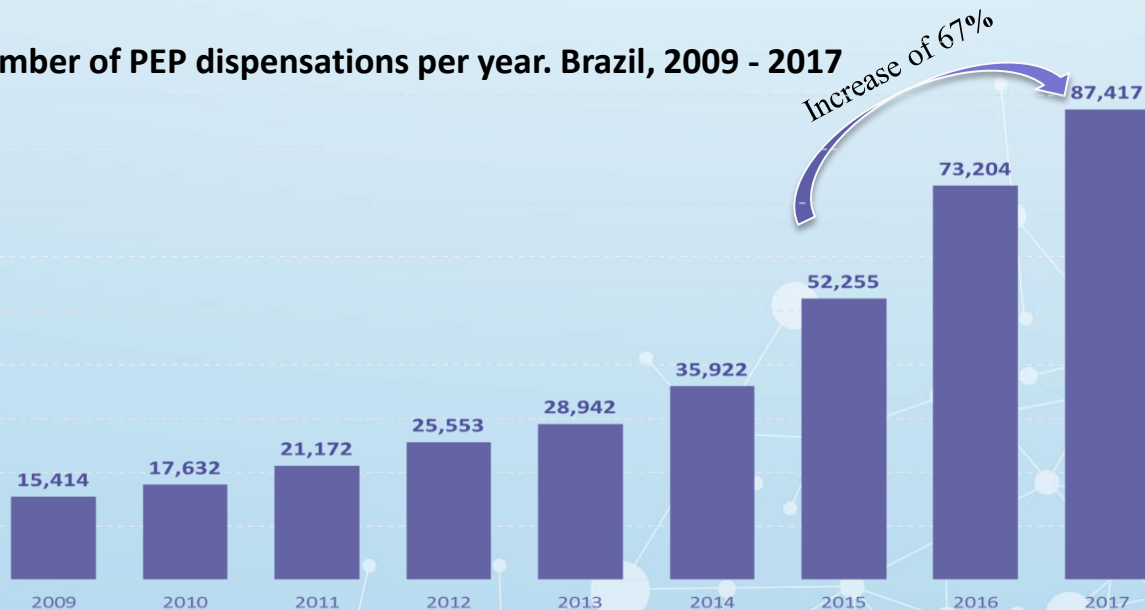


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# Post-Exposure Prophylaxis - PEP

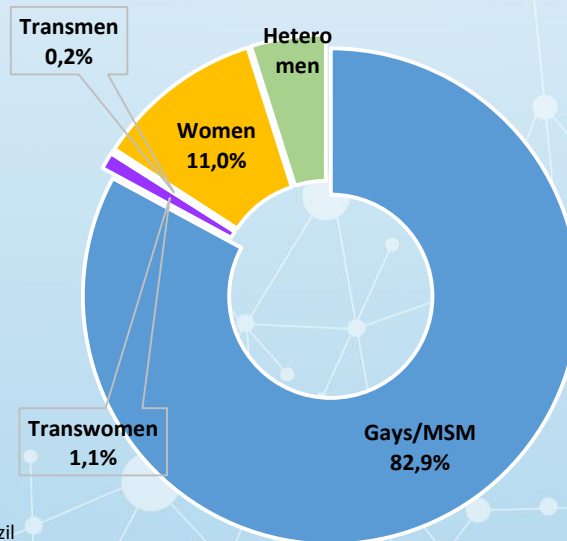
- Recommendation of a single ARV scheme for all types of exposure
- 2017: Dolutegravir-containing regimens as preferred ARV scheme

Number of PEP dispensations per year. Brazil, 2009 - 2017



# Pre-Exposure Prophylaxis - PrEP

- Incorporated as public policy in Brazil in December 2017 (free of charge);
- Implemented in 36 health services (by June in the whole country);
- Prevention strategy for populations at highest risk for HIV: Gays/MSM; transgender people; sex workers and serodiscordant couples;
- 120 days of implementation:
  - 1,401 people in PrEP
  - PrEP users' profile:



# HIV, Hep B and C and Syphilis distributed rapid tests. Brazil, 2012-2017



- Innovative web platform ‘Telelab’ courses have trained over 80,000 health professionals since 2013.



- In 2017: self-test kits available at drugstores

# Community-based Approach



***Viva Melhor Sabendo*** (“Live better knowing”) - peer point-of-care testing intervention, using oral fluid rapid tests:

- 2014-2017: ~160 K tests performed
- ~ 100 NGOs
- 50% were tested for the very 1<sup>st</sup> time
- 2% were HIV positive

# Strategic Agenda for Key-Population, Young People and Other Vulnerable Groups. Brazil, 2018

- Multi-stakeholder's strategic agenda for key population;
- Main goal: to improve access to comprehensive health care for key populations, focused not only on biomedical interventions, but also on structural and social barriers
- Communication and education actions related to combination prevention: mobile apps and campaigns in social media, such as dating apps;
- Sexuality, stigma and discrimination, social exclusion, gender-based violence: training for health professionals and discussions in schools;
- 'Stigma and discrimination-free' health care services certification, and Stigma-Index in partnership with UNAIDS-Brazil.



# 90-90-90 Goals in Brazil: Challenges

- Increased epidemic among young people - especially gay men;
- Difficulties to reach KP;
- Decrease in late diagnosis (CD4<200, 25% in 2017);
- Maintenance of high viral load suppression among those newly initiated;
- Diminish stigma and discrimination against PLWHIV that are one of the main factors that influence adherence.

# Thanks to:



## IST-AIDS HEPATITES VIRAIS

ALINE CRISTINA VIEIRA, CÍNTIA CLARA GUIMARÃES DA SILVA, INOCÊNCIA MARIA NEGRÃO, IVO BRITO, JULIANA UESONO, LEONARDO DE ALMEIDA, MANOEL CARLOS BRAGA, MARIA ALICE TIRONI, MAURITÂNIA PEREIRA, SANDRA REGINA MIGUEL, SARA ALVES NEVES, THAISA GOIS LIMA, ALEXSANA SPOSITO, ANA FRANCISCA KOLLING, ESDRAS DANIEL PEREIRA, FERNANDA FONSECA, FERNANDA RICK, FILIPE PERINI, FRANCISCA LIDIANE FREITAS, GÉSSICA NAIARA RIBEIRO, GLAUCIO MOSIMANN, ITANA DOS SANTOS, JOÃO GERALDO NETTO, LEONARDO GALENO, MARIHÁ DE MOURA, REGINA BRIZOLARA, ROBÉRIO CARNEIRO JÚNIOR, TATIENNA DE ALENCAR, ADEMILDO COELHO MENDES, AEDÉ CADAXA, ALEXANDRE MAGNO, ANGELA GASPERIN MARTINAZZO, EDISON BARBOSA DOS SANTOS, ELAINE DA CUNHA RAMOS, FERNANDA DIAS ALMEIDA MIZUEL, LETICIA ALVES BORGES, LOURIVALDO ALVES PONTEDURA, LUANA DA SILVA CARVALHO, LUCIANO DEMETRIUS LEITE, MARCOS CLEUTON DE OLIVEIRA, MARIA ÉRICA BRITO DOS SANTOS, MARY GRACE FIGHIERA PERPÉTUO, MILENA BENDICHO, NAGILA RODRIGUES PAIVA, RENATO DE OLIVEIRA FERNANDES, SALETE SAIONARA BARBOSA, CLARISSA HABCKOST DUTRA DE BARROS, FABIO DA SILVA SARTORI, JOSI ANNE PAZ E PAZ, DIEGO CALLISTO, LIS PASINI, CARINA BERNARDES, TAINAH LOBO, JULIANA MACHADO GIVISIEZ, LILIAN VIVIANE MELO DA SILVA RAMOS, MAURO TEIXEIRA DE FIGUEIREDO, MICHELE DANTAS, NEIDINA PEREIRA DA SILVA, ADELE SCHWARTZ BENZAKEN, CLAUDIA MARIA MEDEIROS, IÊDA MARIA OLIVEIRA FORNAZIER, RENATO GIRADE CORREA, CRISTINA ALVES CANDIDO, LEONARDO MITSURU TANABE, LUCIO DA COSTA SOUSA, MARCIA DE OLIVEIRA UCHOA, MARIELLE RODRIGUES DA CUNHA CASTRO PROBST, PATRICIA LAIS SOARES, SCHELLA OLIVEIRA, MIGUEL, JOSE ANTONIO GONÇALVES, MAURICIO BARROSO JÚNIOR, MONISE ALMEIDA SILVA, WALQUIRIA TORRES MALHEIROS, FABIO OBRIEN DE CARVALHO, JOSIANY SOUSA DE CARVALHO, RICARDO LUIZ DE FREITAS, ALEXANDRA PRISCILLA DE PAULA SOARES, ALICE REGINA DUARTE, AUGUSTO BERNARDES SOUSA, CLEBER ELIAS DE SOUZA, GLAUCIO ANTONIO DOS SANTOS, EDILSON SIMPLICIO DE SOUSA, JANE SOUZA MARQUES, REJANE DOS SANTOS LEVY, CLAUDIA CARDOSO LIMA, FLAVIA CRISTINA BARROS, LILIAN GOMES GONÇALVES FERNANDES, MARTA REGINA DA SILVA LIMA, NATALIA GOMES PINHEIRO, PEDRO NAHUEL MENDEZ, ANDRÉA SALOMÃO, ANDREIA PAULA ZARAT TAVARES, CAROLINE SIQUEIRA, DILMA SOUSA, ELISABETE LIMA DE JESUS, ISABELLA CRISTINE DA SILVA, KRYGIDO HENRIQUE PASSETTO, LIGIA BRAUN, MARCOS DE FREITAS GUIMARÃES, MARIA CHRISTINA PEIXOTO PACHECO, MARIA DE JESUS SOARES DE SOUSA, VANESSA FAUSTINO, CAMILA MARCIA MENDES, ANA JULIA FERNANDES DE SIQUEIRA, FERNANDA MOURA FERREIRA, RAISA DIB FARIA NEVES, GETULIO DE CASTRO SOBRINHO.

IZA KELEN OLIVEIRA FORNAZIER, MARCOS JOSÉ DA SILVA, MARIA KAROLYNA ALVES DA SILVA, ANA CRISTINA E SILVA AGUIAR, ANA LUIZA NUNES, ANDERSON SANTANA ROSA, ANDRÉ MACEDO SANTOS, ANTONIO RAMOS DE CARVALHO, ATHUS CORRÊA FERNANDES, CLEBER RICARDO PINHEIRO COTRIM, CRISTINA AVELLAR ALMEIDA, DENISE AGUIAR DE MORAES, EDUARDO CARDOSO DE AMORIM, EMANUEL DE MELO FILHO, FELIPE TAVARES AMORIM, FERNANDO JUNIOR CUSTÓDIO, GUILHERME HEIDMANN, ITAMAR AGUIAR, JEAN CLAUDIO SANTOS, JOSÉ EDGARD JÚNIOR, LARISSA OLIVEIRA DE SÁ, LAUDEMIRO BEZERRA, LUIS EDUARDO DA SILVA, LUIZ HENRIQUE MORAIS, MARCO AURELIO IVAN DE OLIVEIRA, MUHAMMAD ZAKARIA DANDASH, PAULO RODRIGO DE OLIVEIRA, PRISCILA TEODORA NASCIMENTO, REGINALDO FREIRE GOMES, RENATTO FERREIRA CARRIJO, ROBERTO FARIAS LIMA, ROBERTO FRAZAO, RODRIGO FERNANDES, WANDERSON GONTIJO, BARBARA GRANER BARBOSA, ELISA ARGIA CATTAPAN, ELTON CARLOS DE ALMEIDA, JOSÉ NILTON NERIS GOMES, MARIA CASSIA JACINTINO MENDES CORREA, MELINA ÉRICA SANTOS, NEIDE FERNANDES DE SOUZA, SIMONE MONZANI VIVALDINI, VALQUÍRIA SOUZA CHRISOSTOMO, ALESSANDRO RICARDO CARUSO DA CUNHA, CLAUDIA SOUSA, DAIANA MARIAN DRESCH, FLÁVIA KELLI ALVARENGA PINTO, FLÁVIA MORENO ALVES DE SOUZA, GERSON FERNANDO MENDES PEREIRA, LUCIANA FETTER BERTOLUCCI TANIGUCHI, RACHEL RIBEIRO, ARIA CRISTINA PIMENTA DE OLIVEIRA, SILVANA PEREIRA GIOZZA, THAÍS SILVA ALMEIDA DE OLIVEIRA, ANDRESA NOLASCO GOMES PEIXOTO, ARAKEN ALPINO RODRIGUES, GRAZIELA DE QUEIROZ MACEDO, LAÍS SILVA GARCIA, ANA FLAVIA PIRES, CRISTIANE VIEIRA FERREIRA, DANIELA CRISTINA SOARES, DANIELE VAN-LUME SIMÕES, IGOR KOHIYAMA, JOSÉ BOULLOSA NETO, MARIANA VILLARES MARTINS, NAZLE MENDONÇA COLLAÇO VÉZAS, PÂMELA CRISTINA GASPAS, REGINA APARECIDA COMPARINI, ROBERTA BARBOSA FRANCISCO, ROSANA ELISA GONÇALVES MELO, ALEX COSTA ALMEIDA, ANTONI FLAVIO FURTADO SCARTEZINI, CYNTHIA JULIA BRAGA BATISTA, EDUARDO MALHEIROS, JESSIKA ARRUDA DA SILVA, KARIM MIDORI SAKITA, LARISSA MEIRA PASSAMANI, MIRIAM DE ARAUJO, NIVEA OREM DE OLIVEIRA GUEDES, PATRICIA CRISTINA LOPES CORRÊA, PAULO ROBERTO JOBIM DUTRA, ROGÉRIO DOS SANTOS LIMA, ROGGER DIQUIQUE, RONALDO JORGE FEITOZA, THAIS CARDOSO, RODRIGUES MORAIS, VICTORIA RAFAELA MUNIZ DOS SANTOS, ANA ROBERTA PATI PASCOM, DENISE, DE CARVALHO, FERNANDA BORGES MAGALHÃES, MAÍRA TAQUES DOS SANTOS CHRIST, MARIANA JORGE DE QUEIROZ, MARIANA VELOSO MEIRELES, RAFAELA MENDES MEDEIROS, ALÍCIA KÜGER, ANA MÔNICA DE MELLO, CARINA BERNARDES SOUSA, DAMIANA DE OLIVEIRA, DIEGO AGOSTINHO CALLISTO, ELISIANE NELCINA PASINI, GILVANE CASIMIRO DA SILVA, IRENE SMID VALDERRAMA, PAULA ADAMY, IVANETE RIBEIRO DE CARVALHO, LILIANA PITTALUGA, MARCIA REJANE COLOMBO, MARIA VITORIA RAMOS GONÇALVES, GRASIELA DAMASCENO DE ARAÚJO, DÊNIS ROBERTO DA SILVA PETUCO, SILVIA GIUGLIANI.

# Thank you!

Ministry of Health, Brazil  
[fernanda.rick@aims.gov.br](mailto:fernanda.rick@aims.gov.br)

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