



HIV and ViiV Healthcare

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Overview



1. ViiV Healthcare vision
2. ViiV Healthcare history and operating model
3. HIV market
4. Dolutegravir (DTG)
5. R&D strategy
6. Concluding remarks



ViiV Healthcare vision

An ambitious vision

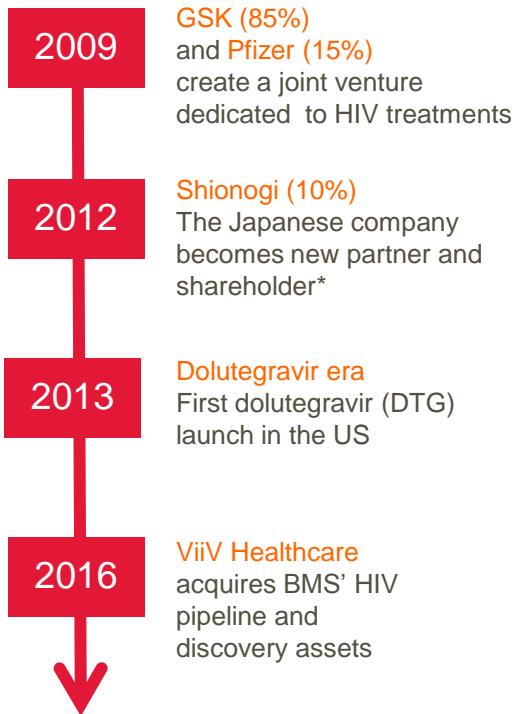


Establish ViiV Healthcare as the leading company in the HIV market in innovation, sales and reputation



ViiV Healthcare history and operating model

A rich HIV history joined under a unique model



ViiV Healthcare shareholding



*Current shareholding of ViiV Healthcare: GSK 78.3%, Pfizer 11.7%, Shionogi 10%

End to end operation reliant on the scale and infrastructure of large Pharma shareholders



3

regions – North America, Europe and International



15

affiliates and a presence in more than 50 countries through GSK



900+

employees worldwide



150

employees working in Alliance markets*



244

employees working for GSK in R&D for ViiV Healthcare



222

employees working for ViiV Healthcare through shared service agreements



450+

planned, concluded and active clinical trials since creation, including BMS acquisitions

*Alliance markets: Agreement with GSK in markets where ViiV Healthcare is not a legal entity

ViiV Healthcare success to date has evolved in two phases – First Phase: 2009 - 2013



2009

Re-energised commercial operation and R&D

2013

1. Led the Epzicom/Kivexa turnaround



2. Created an unprecedented development programme to catapult DTG's success



ViiV Healthcare success to date has evolved in two phases – Second Phase: 2013 - Today

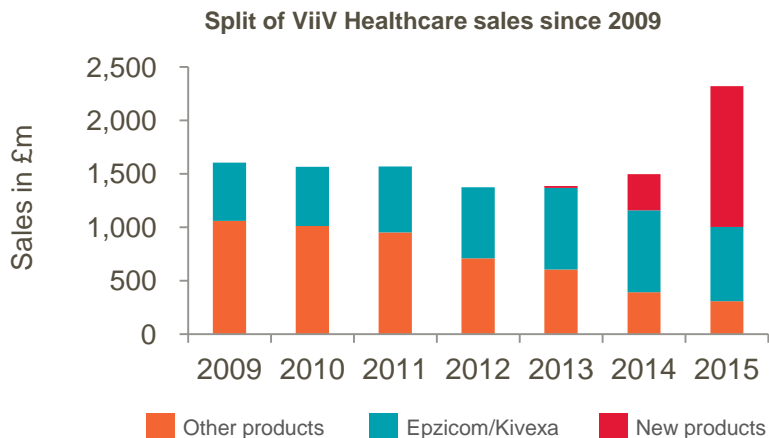


2013

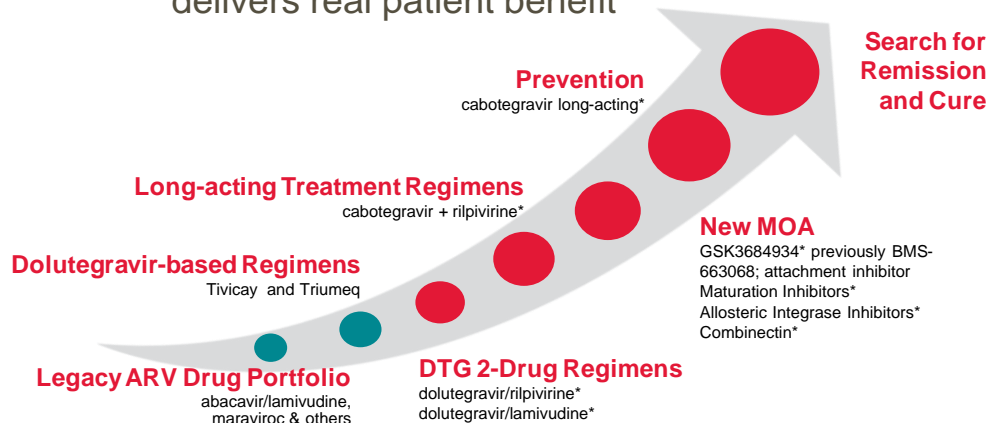
Emerging Leadership: market growth and innovation

Today

1) DTG success fuelling ViiV Healthcare growth



2) Commitment to true innovation that delivers real patient benefit



Source: Reported Financial Results

* Note, therapies denoted with an (*) are investigational; safety and efficacy in treating/preventing HIV has not been established

The HIV market

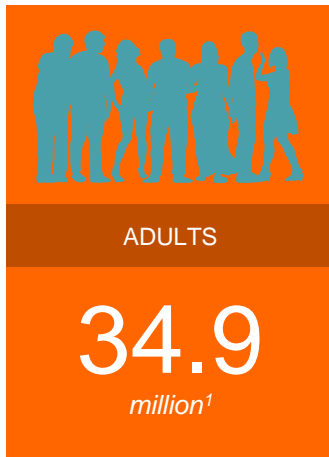
The HIV epidemic remains a substantial challenge of our time



36.7 m people living with HIV worldwide¹

2.1m infections and **1.1m** AIDS-related deaths per year globally¹

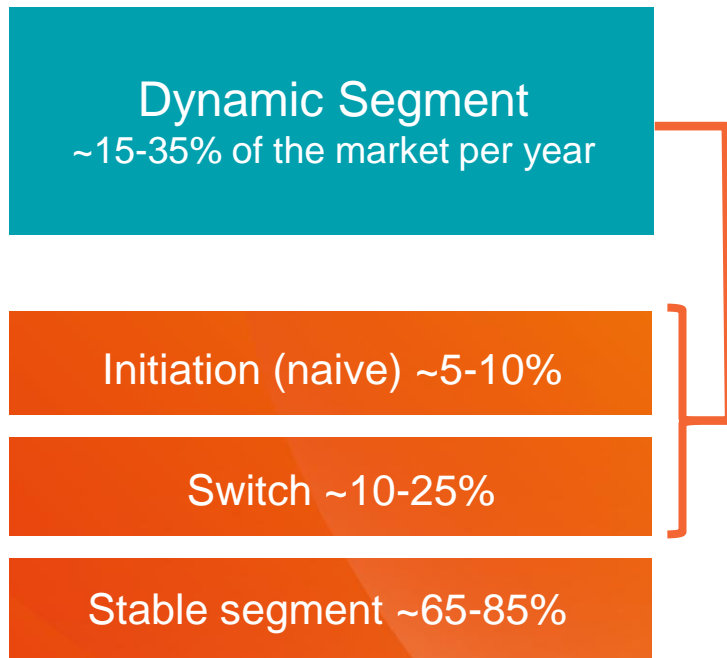
2.4m people living with HIV in Western and Central Europe and North America¹



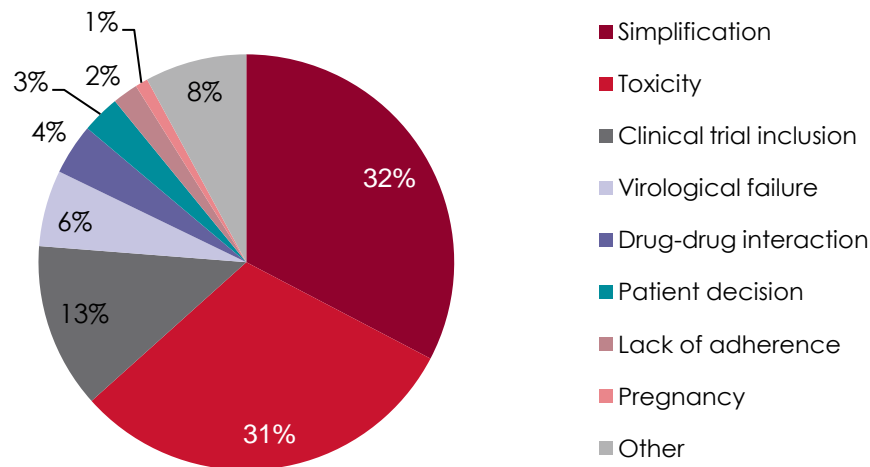
Patients are living longer and infection rates have begun to rise again
Treatment rate in developed markets is only 50-70%^{2,3}
IAS July 2016 recommends that all people living with HIV should receive treatment

A highly dynamic market

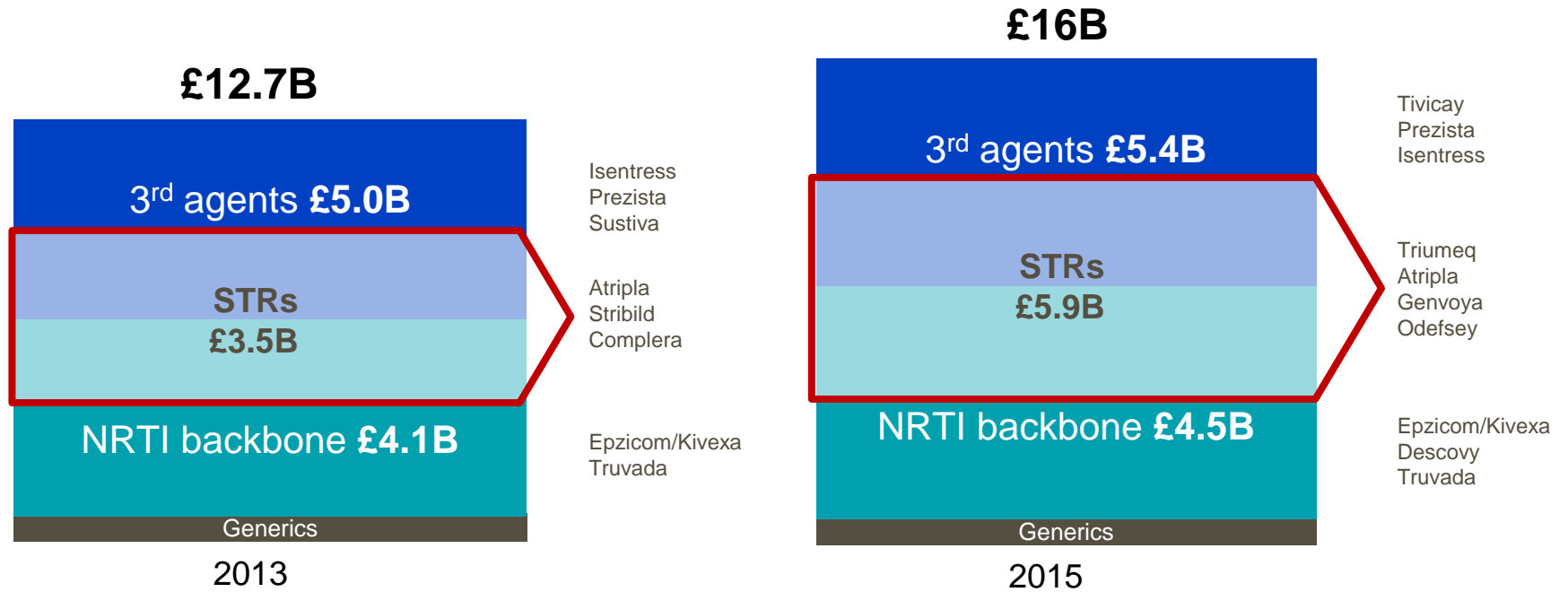
HIV market valued at £16 billion in 2015



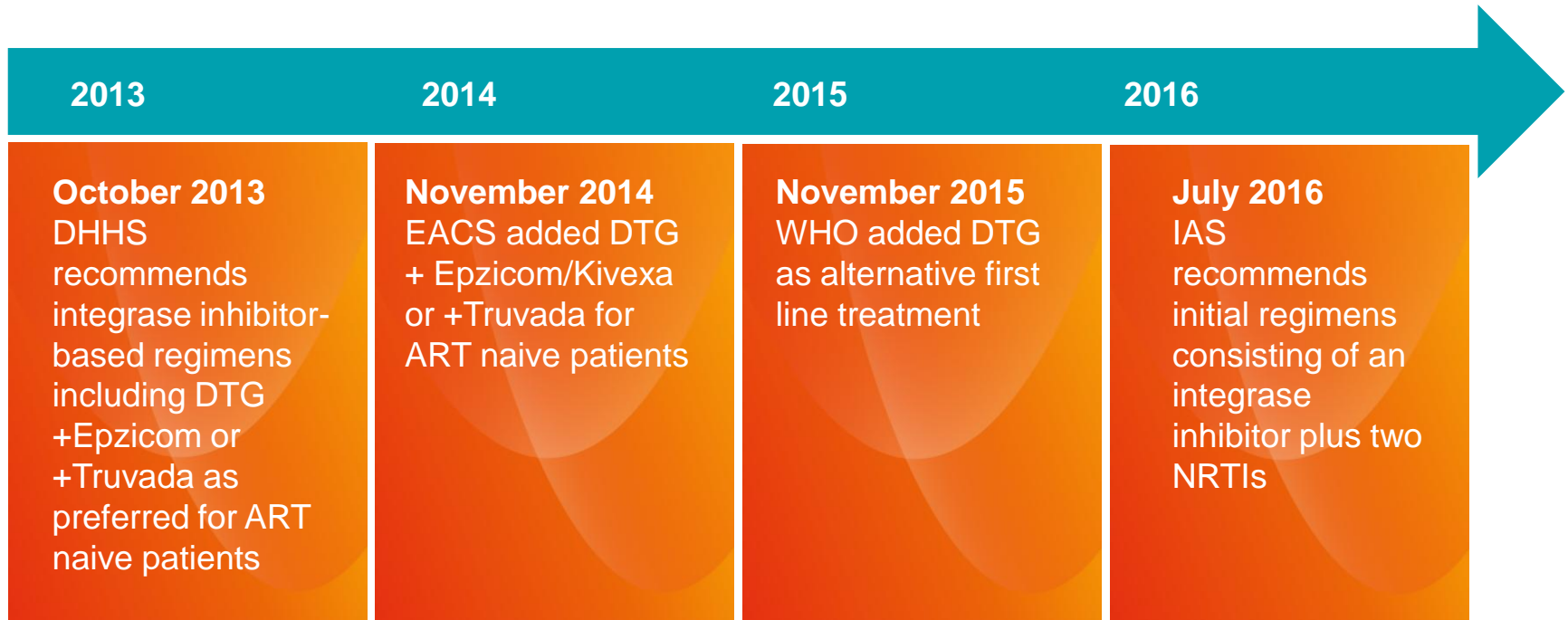
Reported reason for patients switching to a new therapy as reported by physicians (N=246)



The market has been receptive to innovation and remains a strong opportunity for growth

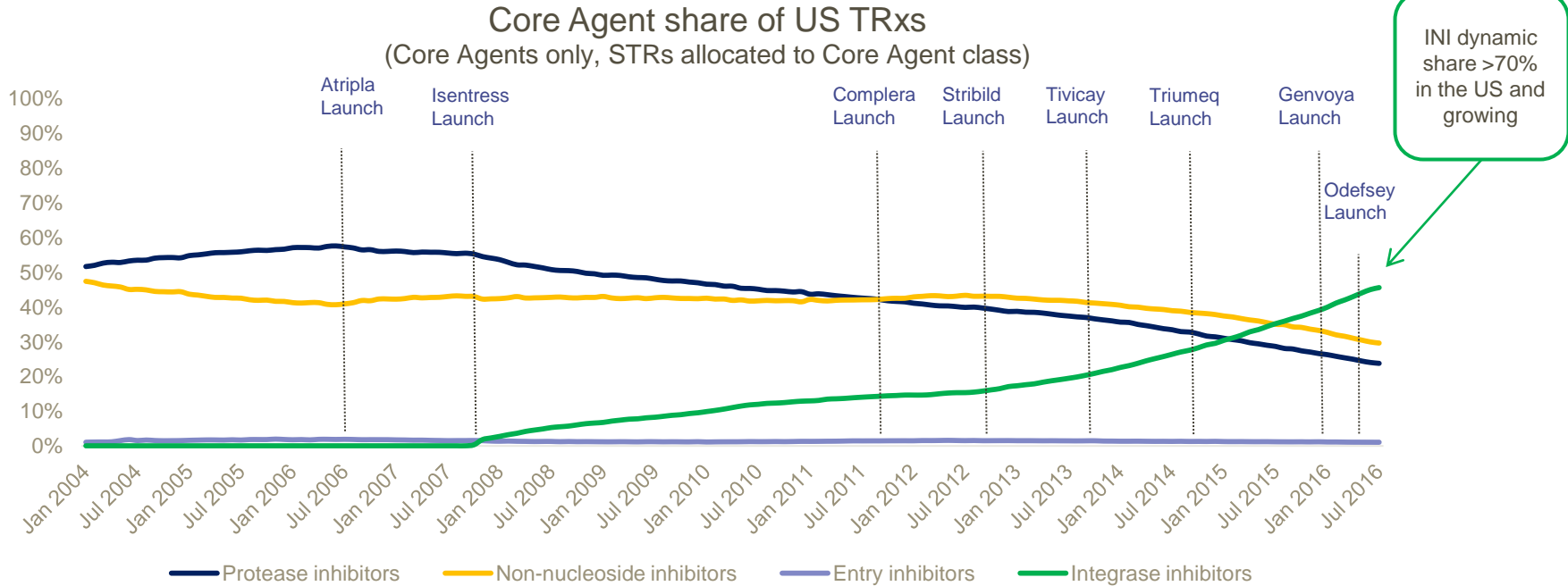


Guideline updates drive market evolution



We have now entered the integrase inhibitor era

INIs represent 46% of the TRx market, a figure that will continue to grow





Dolutegravir

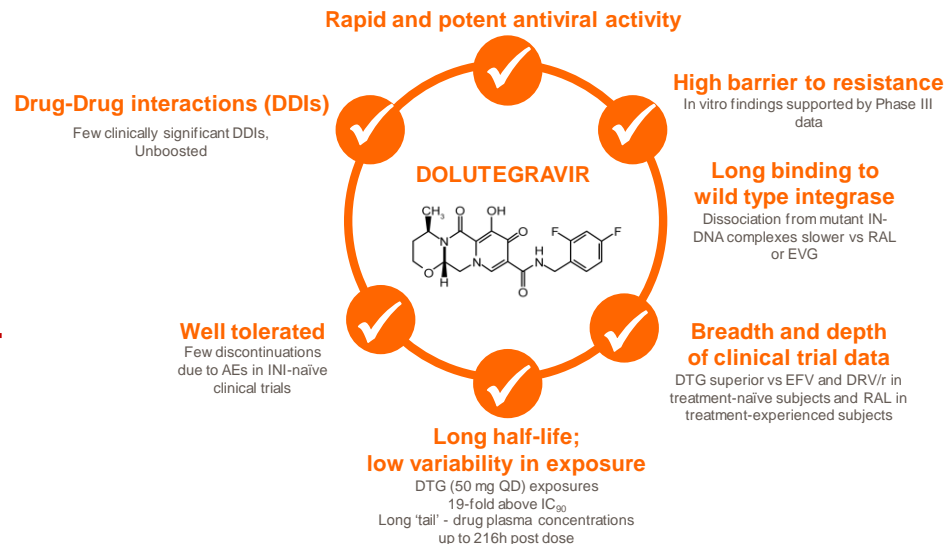
Amongst integrase inhibitors, DTG stands out

Unprecedented and unmatched clinical trial results

	efavirenz	raltegravir	darunavir	atazanavir
dolutegravir	SUPERIOR (naive) SINGLE	SUPERIOR (experienced) SAILING NON INFERIOR (naive) SPRING²	SUPERIOR (naive) FLAMINGO	SUPERIOR (women / naive) ARIA
elvitegravir / cobicistat	NON INFERIOR (naive)			SUPERIOR (women / naive)
raltegravir	NON INFERIOR (naive)		NON INFERIOR (naive)	

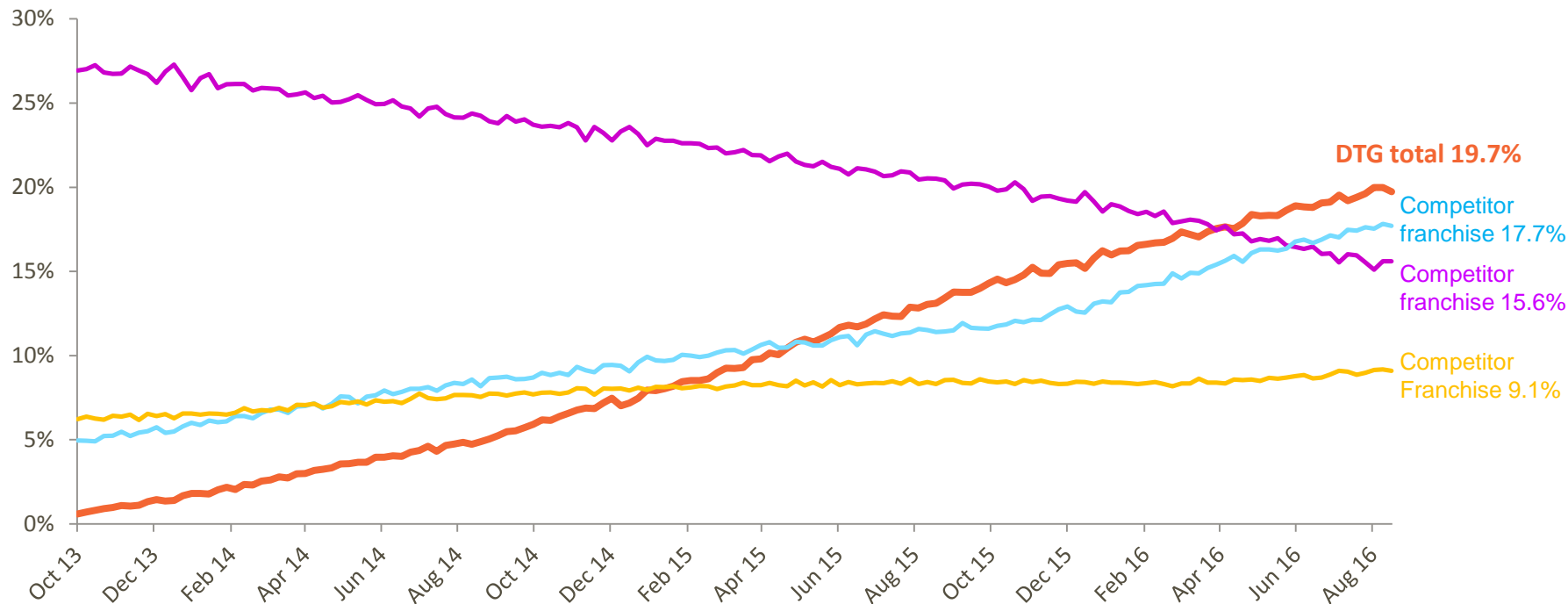
SINGLE, FLAMINGO, SPRING 2, SAILING and ARIA were non-inferiority studies with a pre-specified analysis for superiority
 Chart shows primary endpoint outcomes

Unique product characteristics

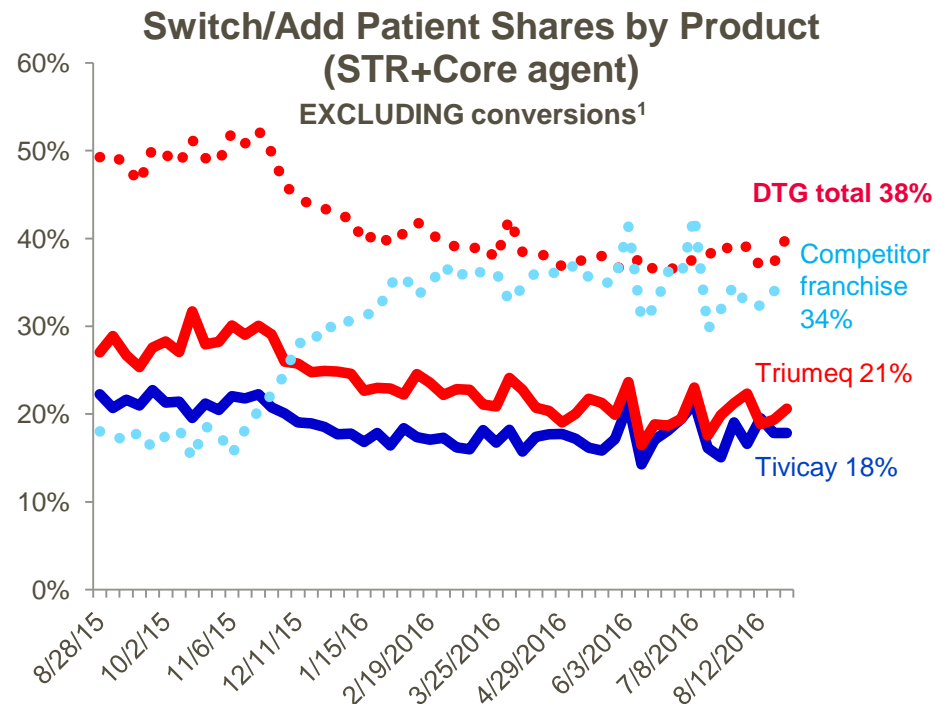
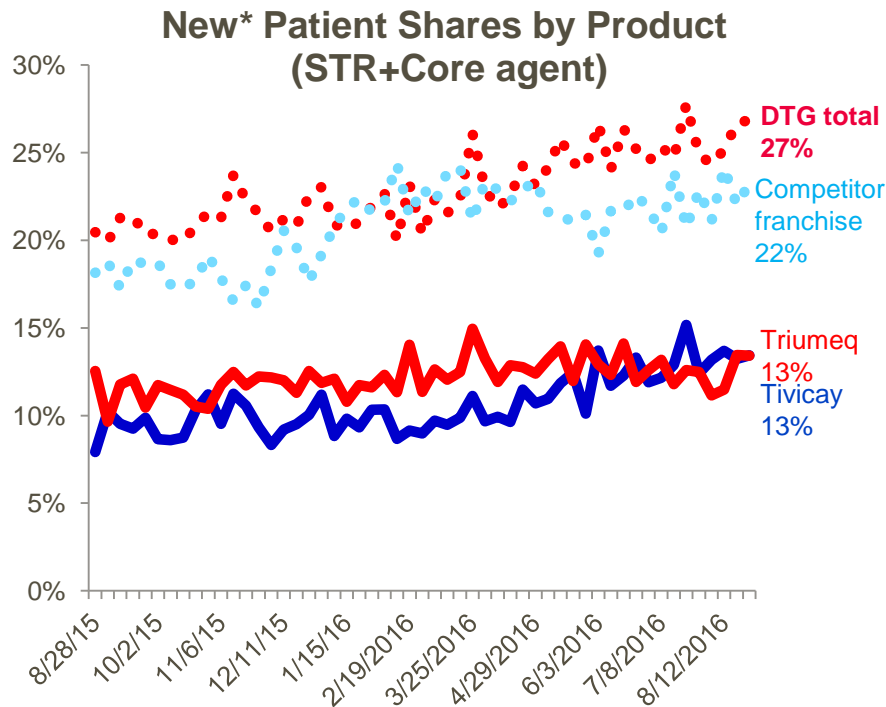


Dolutegravir leads the market as the #1 core agent

Weekly US TRx market share (STR + core agent) – since Tivicay launch



And the #1 agent in dynamic share in the US



¹ Conversions = switches from Truvada+Sustiva to Atripla, Truvada+Edurant to Complera, Tivicay+Epzicom to Triumeq, Prezista to Prezcobix, Reyataz to Evotaz, Stribild to Genvoya, Complera to Odefsey. ** IMS "New" metric is a proxy for naïve patients. It represents a longitudinal IMS panel of patients with no prior HIV therapy RX in the last 12 months, and overstates true naïve volume slightly.

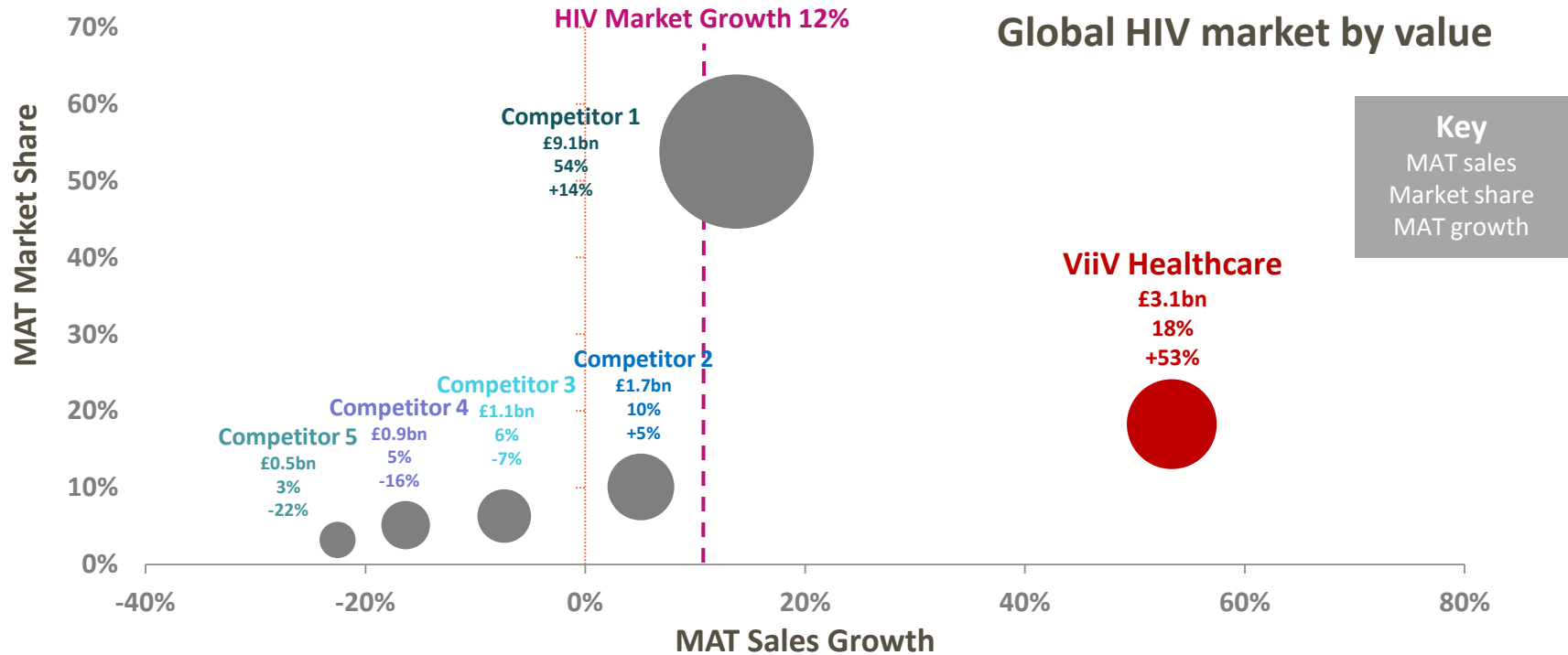
Source: IMS NBRX Custom HIV Report 26 August 2016. #1 meaning most prescribed.

Already #1 agent in dynamic share in many other key markets



	# 1 in Naïve	# 1 in Switch
France	✓	✓
Germany	✓	✓
Italy	✓	✓
Spain	✓	✓
UK	✓	✓
Canada	✓	✓
Japan	✓	✓

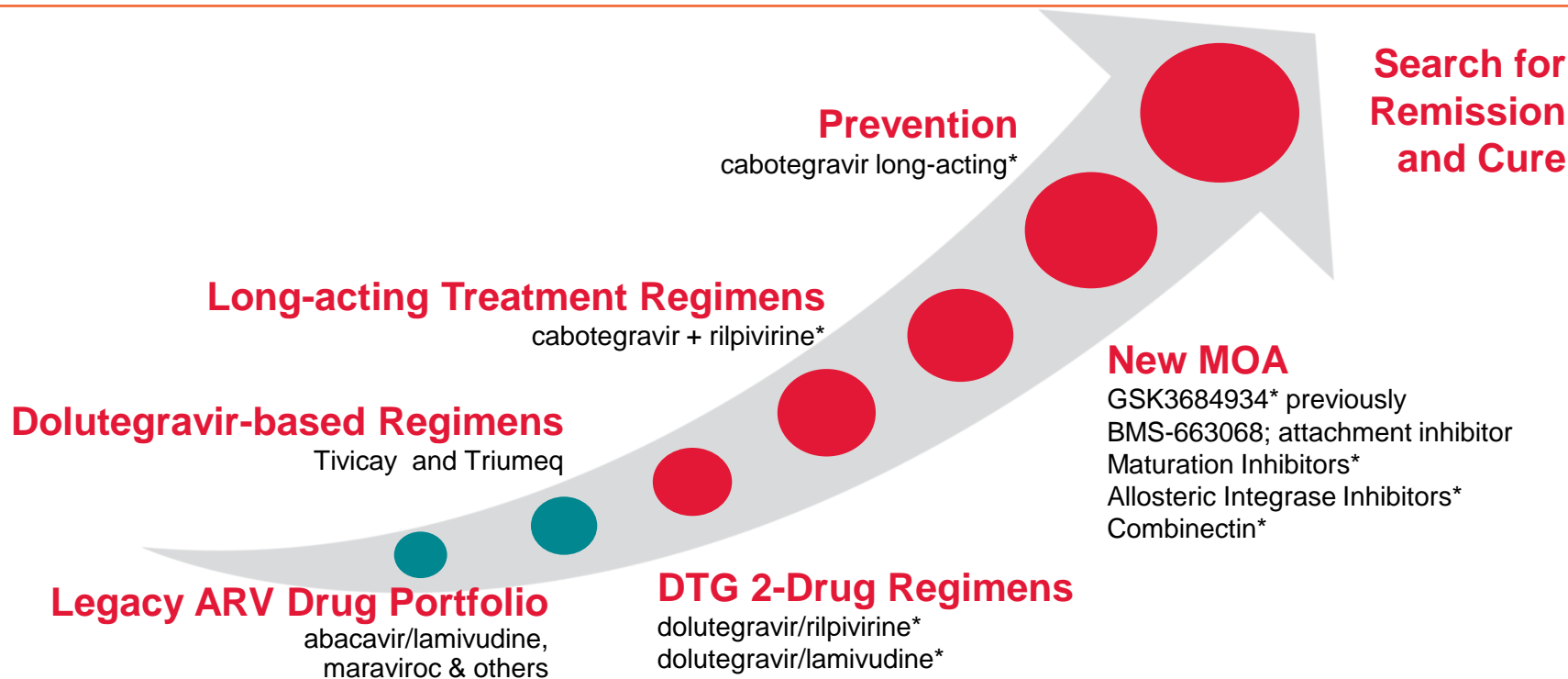
ViiV Healthcare is the only company with increasing growth in HIV over the past 12 months (from +34% to +53%)





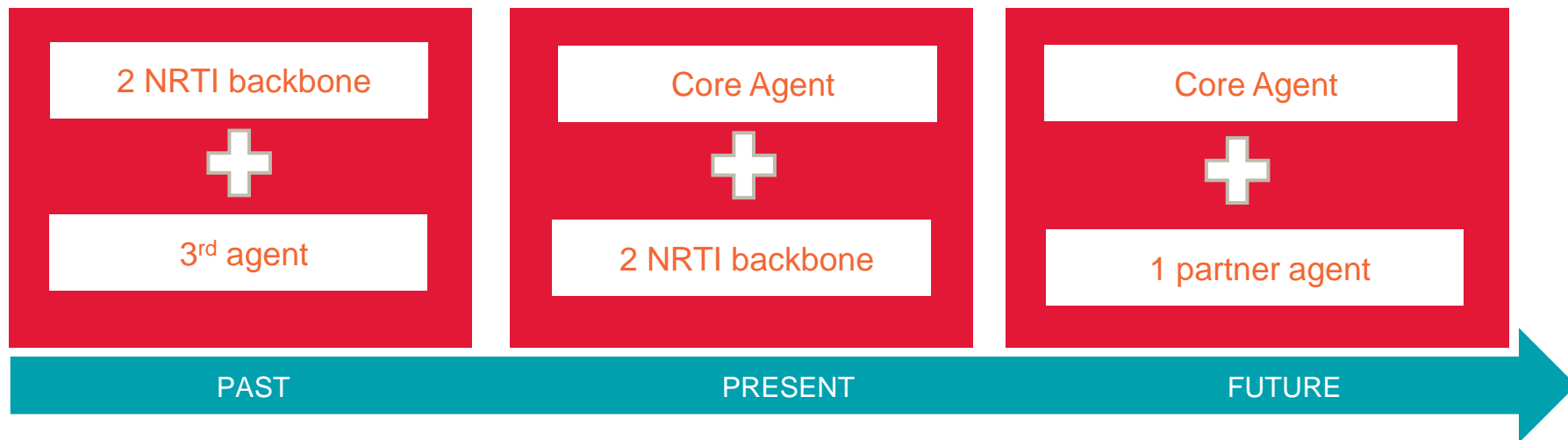
R&D strategy

Committed to innovation and leadership in HIV



Note, therapies denoted with an () are investigational; safety and efficacy in treating/preventing HIV has not been established

Our belief in the market evolution



Why can 2-drug regimens (2DR) succeed?



Scientifically viable	DTG/CAB uniquely positioned for 2DRs
	Encouraging clinical data
Unmet medical need	Long term treatments with improved adverse event profile
	Ageing HIV patient population with co-morbidities
Market demand	Persistent interest in 2DR research
	Market receptive to new treatment advances

2DRs have the potential to challenge therapy standard

ViiV Healthcare integrase inhibitors at the forefront of the 2DR paradigm shift

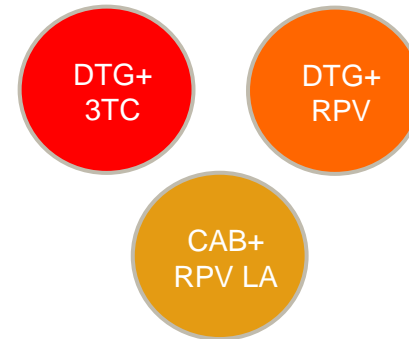
Establish DTG as the leading core agent in the market



 **Tivicay**
(dolutegravir) tablets

 **Triumeq**
abacavir 600 mg/dolutegravir 50 mg/
lamivudine 300 mg tablets

Challenge the three drug paradigm

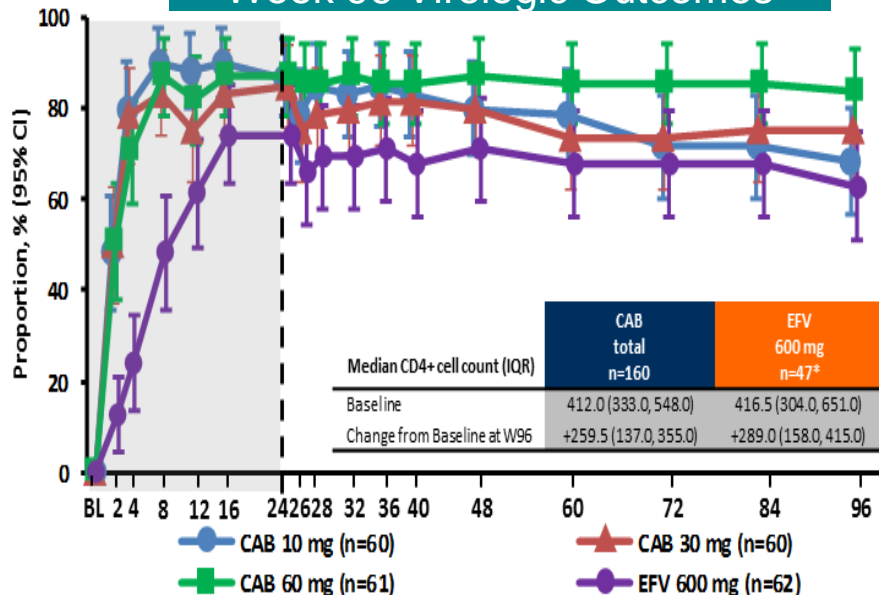


Cabotegravir LATTE and LATTE-2 Studies

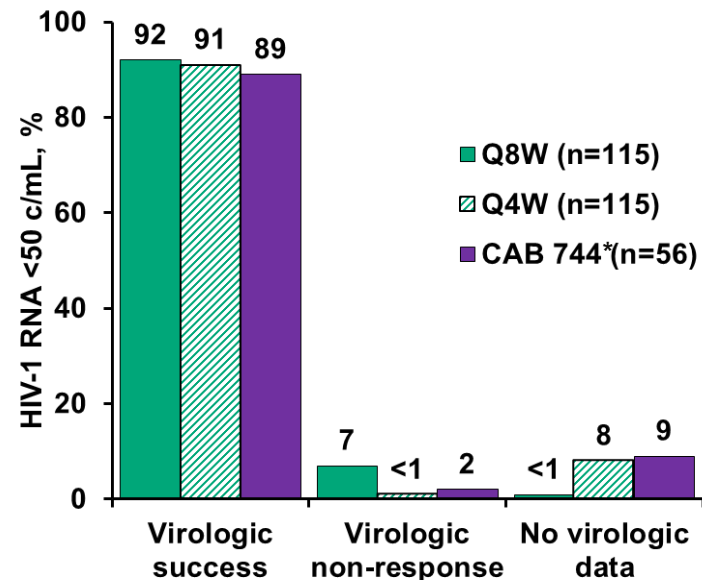


Durable virologic suppression with oral and long-acting (LA) 2DR

**LATTE (oral CAB+RPV)
Week 96 Virologic Outcomes**



**LATTE-2 (LA inj. CAB+RPV)
Week 48 Virologic Outcomes**



Reference: Margolis et al, Lancet Inf Dis 2015;15(10):1145-1155 Margolis D et al., 21st IAC, abstract THAB0206LB, 2016

*Cabotegravir + abacavir + lamivudine oral

Investigator initiated 2DR studies



GARDEL

LPV/r+3TC

SALT

ATV/r + 3TC

**PADDLE
ASPIRE
LAMIDOL
ACTG 5353**

DTG+3TC

DUALIS

DTG+ DRV/r

DOLATAV

DTG+ATV/r

DTG + RPV

Phase III started May 2015



SWORD 1 and 2	
Indication	Maintenance therapy for adult patients with HIV-1 infection
Number of patients	1,000 virologically suppressed patients
Study design	Phase III, randomised, open-label study to assess the safety and efficacy of switching to DTG + RPV versus continuing current antiretroviral regimen
Primary endpoint	The primary endpoint is proportion of patients with plasma HIV-1 RNA <50 copies per milliliter (c/mL) at week 48. Key secondary endpoints include evaluation of the development of viral resistance, measurements of safety and tolerability, and changes in renal, bone and cardiovascular biomarkers
Expected readout date	End of 2016
Expected launch date	H1 2018

DTG + 3TC

Phase III started August 2016



GEMINI 1 and 2	
Indication	Treatment for HIV-1 infection in adults who have not received prior antiretroviral therapy
Number of patients	1,400 naive patients
Study design	Phase III, randomised, multicentre, non-inferiority studies to evaluate the efficacy, safety, and tolerability of DTG + 3TC QD versus DTG + TDF/FTC FDC over 148 weeks
Primary endpoint	The primary endpoint for these studies is non-inferior antiviral activity measured by the proportion of participants with plasma HIV-1 RNA <50 copies/mL (c/mL) at week 48
Expected readout date	2018
Expected launch date	H1 2019

A growing body of evidence to support 2DR



INTERNAL STUDIES

SWORD 1 & 2

GEMINI 1 & 2

ISS STUDIES*

PADDLE 96 weeks

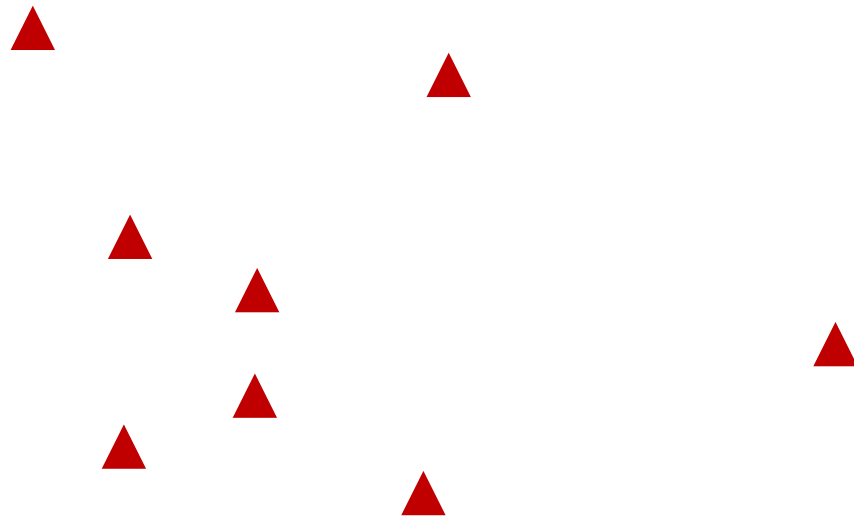
ACTG 5353

ASPIRE

DUALIS

LAMIDOL

DOLATAV

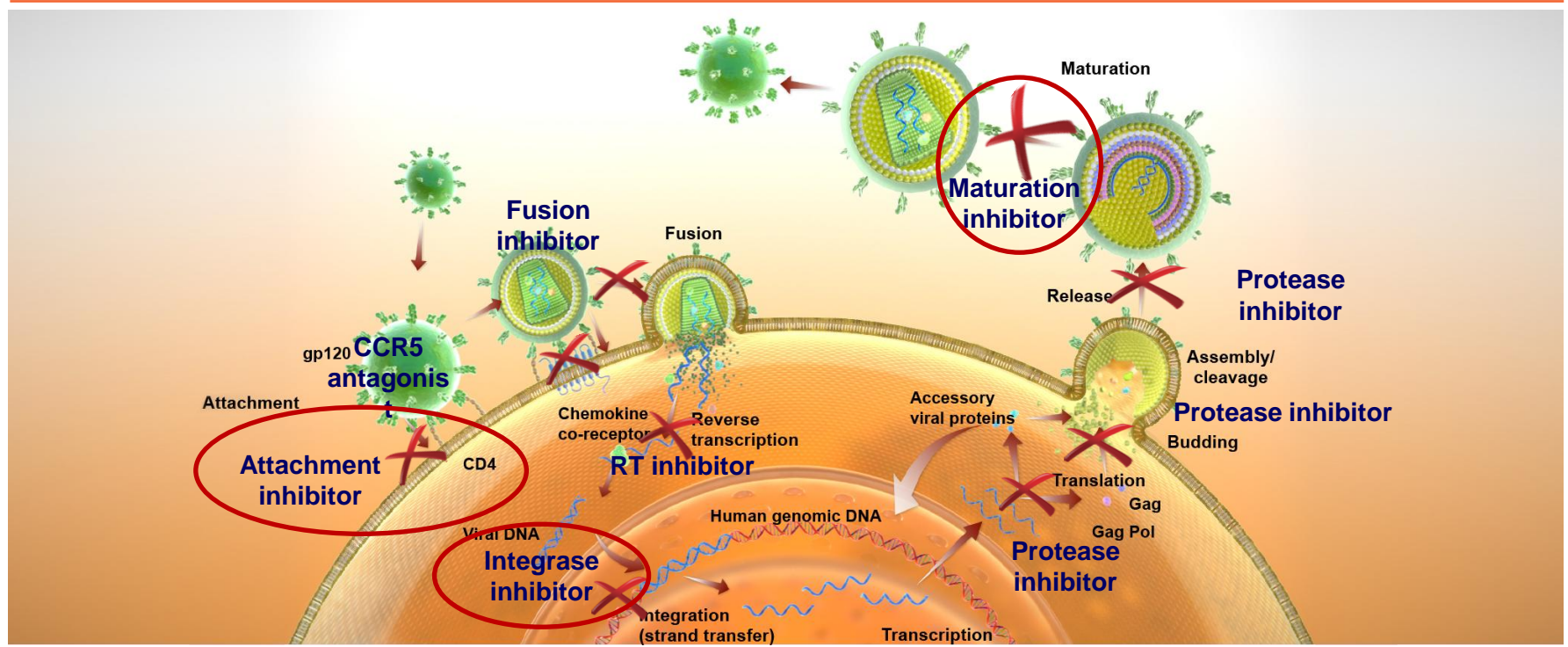


Forward-looking, dependant on data availability

*ISS abstract are best estimates only and subject to change based on investigator decision

Next available congress presentation = ▲

Why innovation should remain a priority in HIV



Concluding remarks

Our strategic priorities to ensure near and long term success



Continue to drive share in traditional 3 drug regimens through strength of DTG

Create a new paradigm in oral treatment through 2DR

Create a new paradigm in treatment through long-acting therapy

Continue to lead HIV innovation with research that delivers new mechanisms offering new options for patients most in need

Q&A