

# The HIV self-screening Initiative

## SOUTH AFRICA

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17.05.2018

FILLING THE GAPS BEST  
PRACTICE MEETING



University of the Witwatersrand

**WITS RHI**



# Globally, disproportionate progress

## Progress toward 90-90-90 Targets

Gap to reaching first 90: **7.5 Million people**

**Achieved  
90% Target**

Up from  
**66%** in  
2015

Australia  
Belarus  
Denmark  
Ecuador  
Malaysia  
Sweden  
Thailand

**Global Status  
2016**

**70%**  
[51-84%]

of people living with HIV  
know their status

Austria  
Botswana  
Cuba  
Fiji  
Germany  
Hungary  
Ireland  
Italy  
Lithuania  
Luxemburg  
Netherlands  
Nicaragua  
Rwanda  
Romania  
**South  
Africa**  
United  
Kingdom

Who are the 30%  
undiagnosed  
PLHIV?

- Key populations
- Men
- Young people

**Almost  
there!  
85-89%**

UNAIDS Special analysis, 2017.

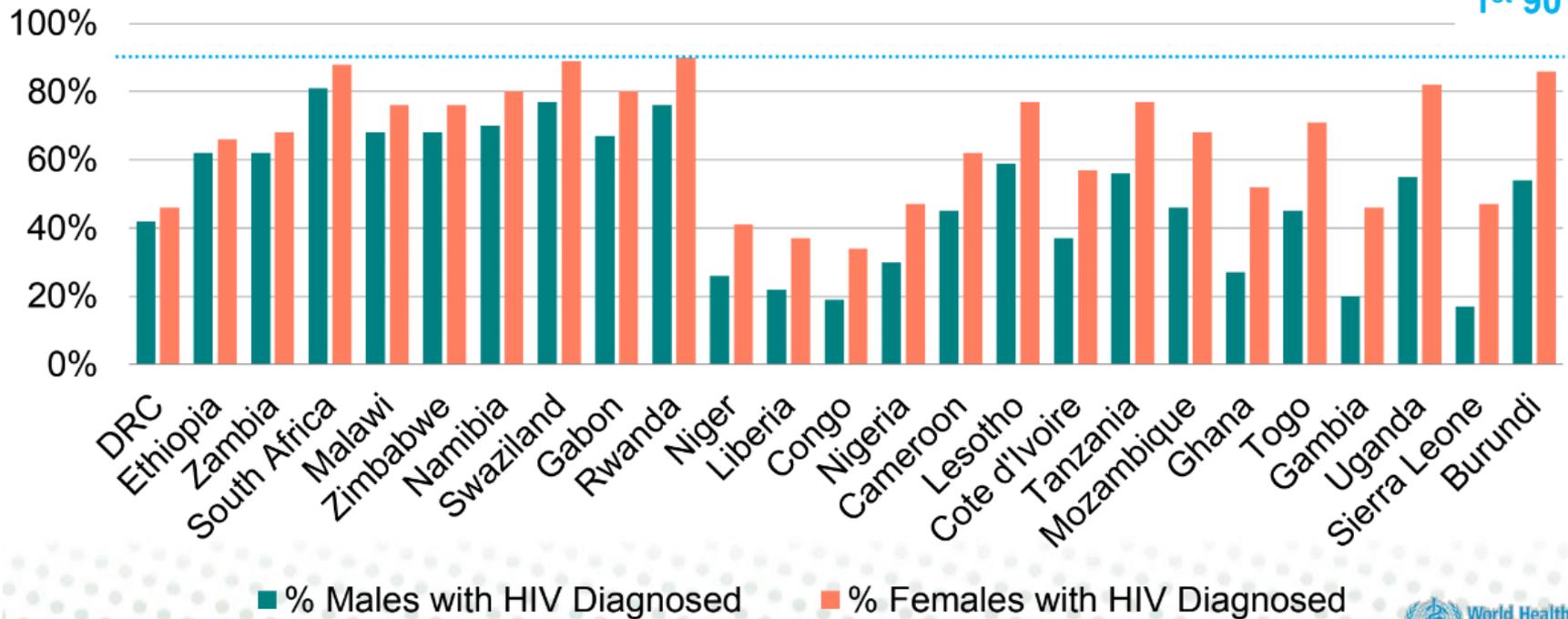
# And men remain largely undertested

HIV/AIDS Department

## Testing Gap for Men

*Proportion of people with HIV diagnosed by sex  
25 African countries, 2016*

1st 90



# What **IS** HIV self-screening ?

- A process in which a person collects his or her own specimen (oral fluid or blood) and then performs an HIV test and interprets the result, often in a private setting, either alone or with someone he or she trusts
- HIVST is a “**screening test**” or Test for Triage
- HIVST could play a substantial role in accelerating progress towards this goal of 90-90-90.



# What self-screening **IS NOT**

- It is **not here to replace other HTS modalities** from which the majority of the population learn their status.
- It is **not a definitive test**, but rather the first step towards learning a status. All POSITIVE results must be confirmed using the national algorithm.



# 2015 - Barriers to HIVST in South Africa

No indication from the SA DOH that ST is acceptable

+

No guidance in place from WHO

+

No validated HIVST products available

+

Requirements for WHO Pre-Qualification for ST not defined

+

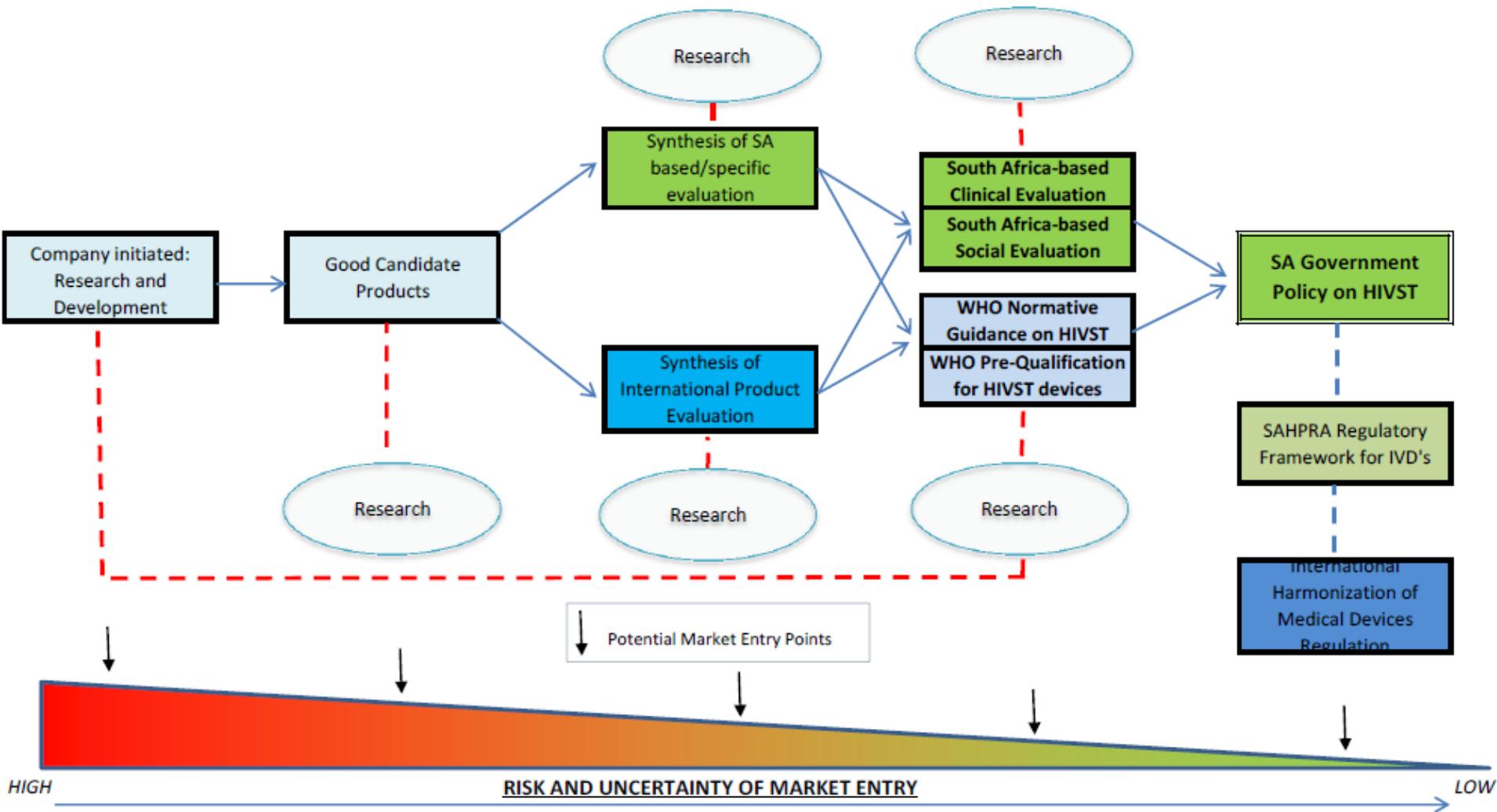
Undefined IVD regulatory landscape

+

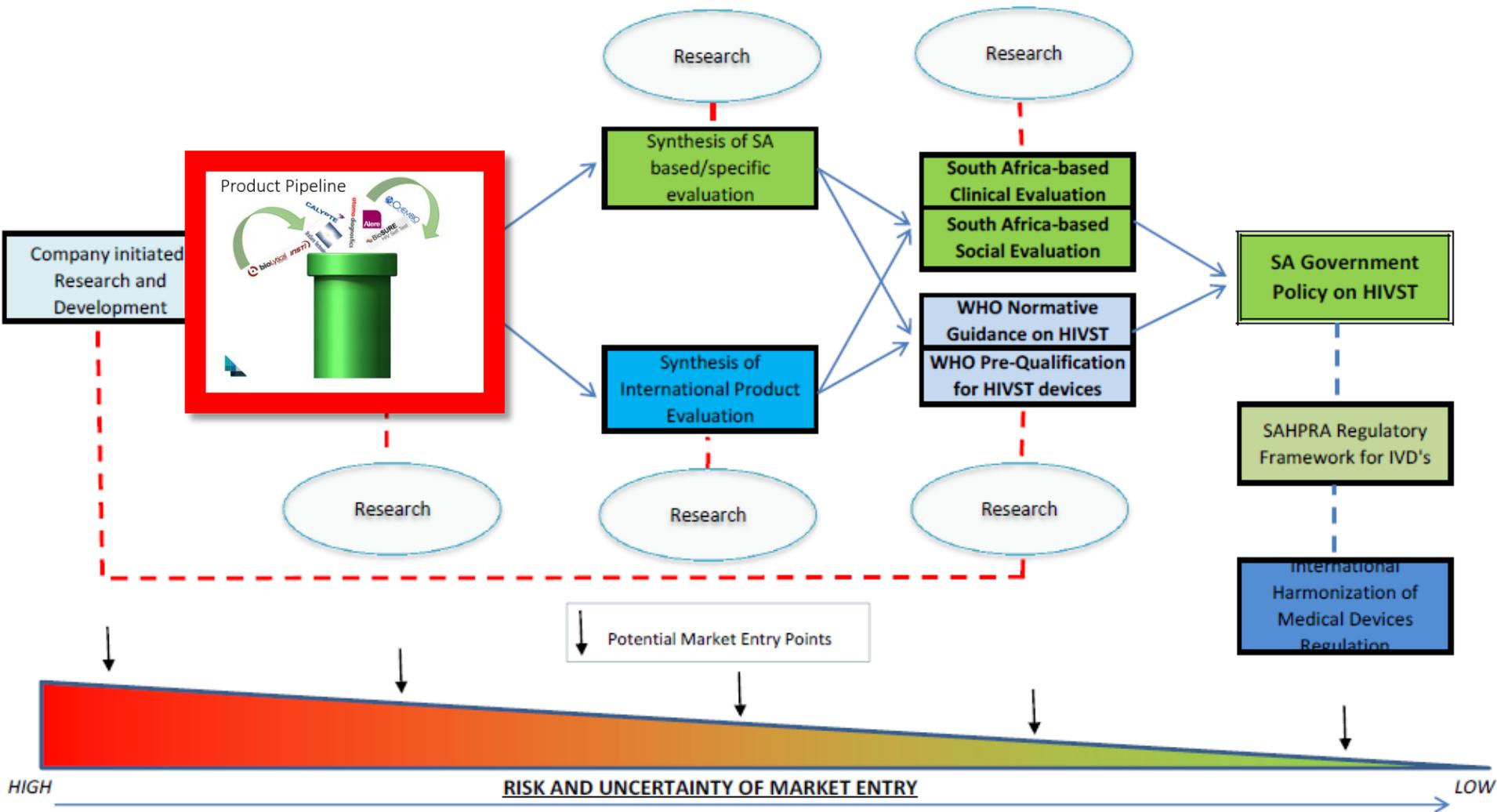
Minimal implementation research



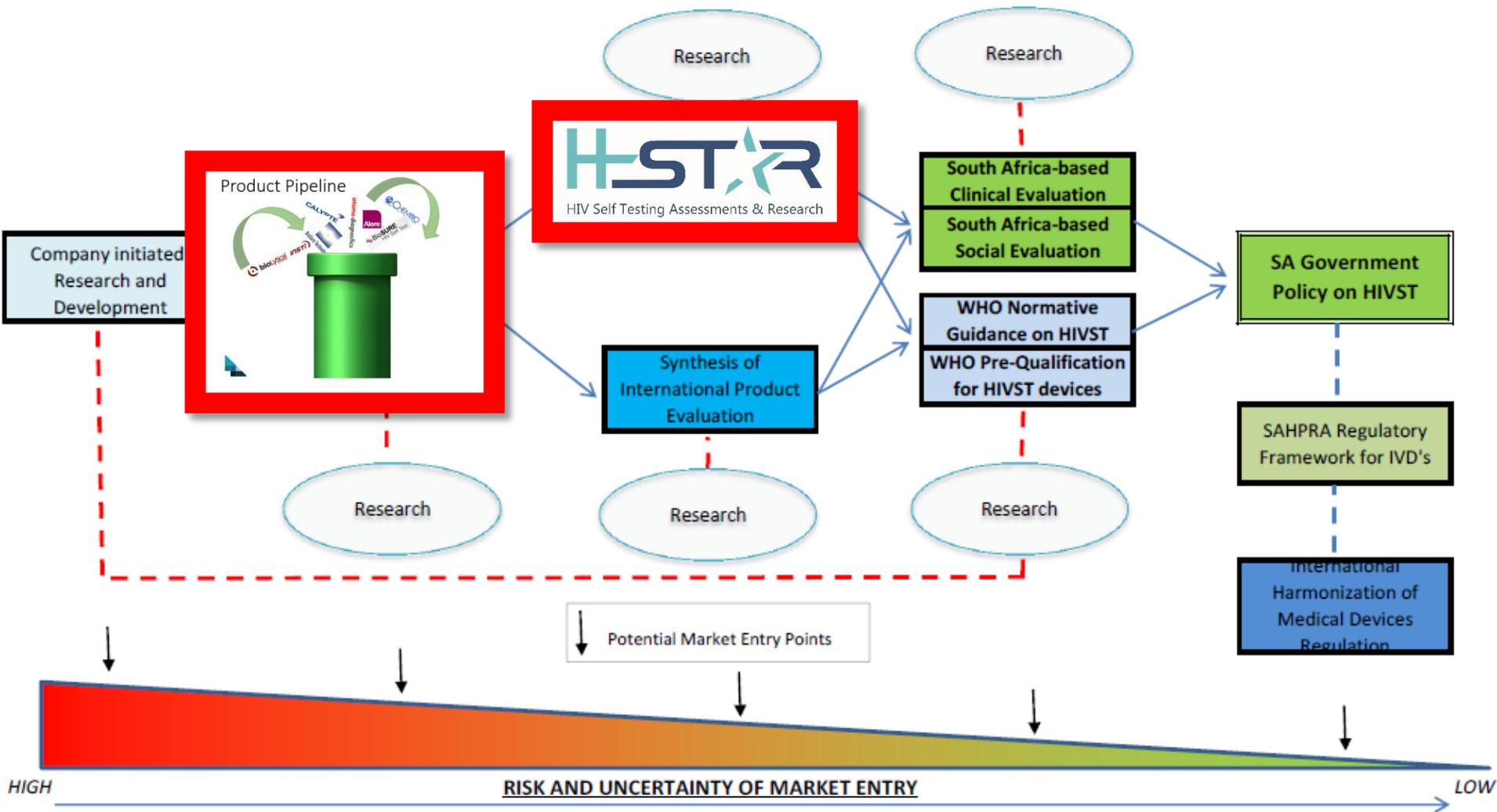
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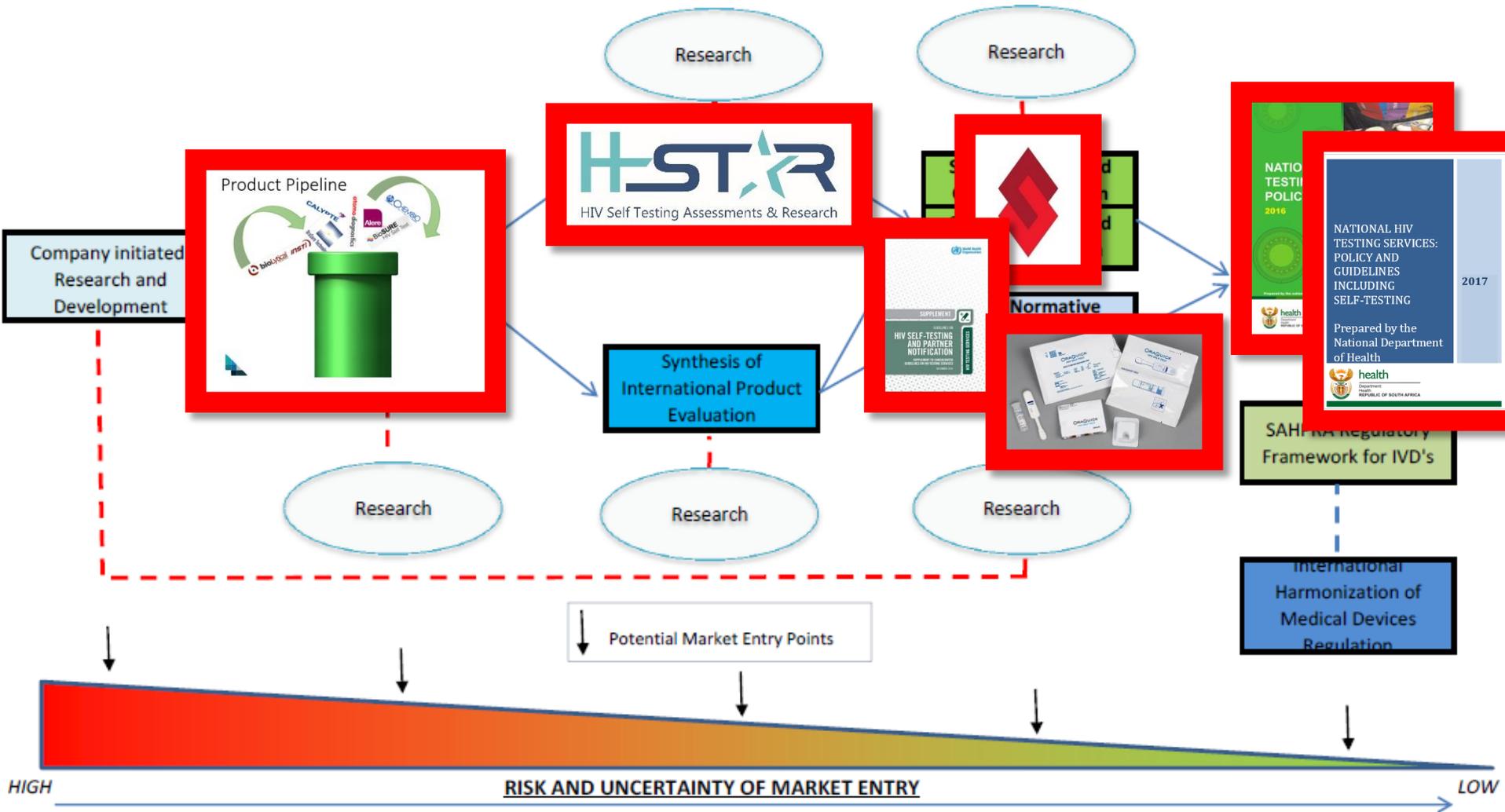


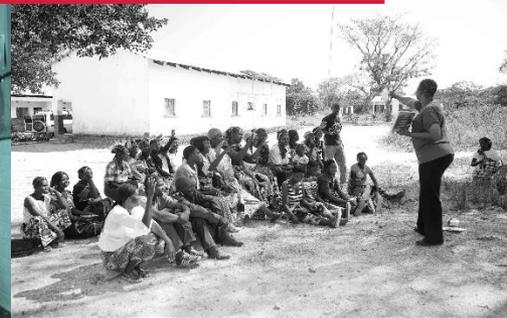
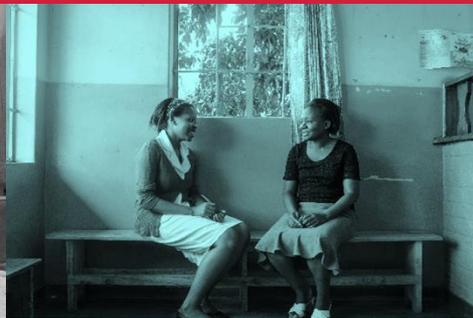






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# HIV SELF-TESTING AFRICA INITIATIVE STAR

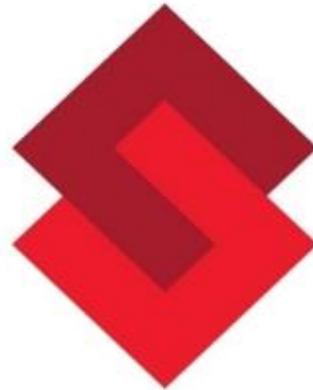


South Africa



# The STAR Initiative

- Wits RHI, SFH, PSI and CHAI
- 2.2 million HIVST Kits distributed in SA over 3 years
- Test and research distribution models over the next three years to make both **investment** and **operational implementation** recommendations to NDOH



# Key Outputs

- Output 1: Supportive environment for introduction and integration of HIVST in National Policy, strategies, plans and regulations
- Output 2: Selection, adaptation, and scale-up of effective HIVST delivery and linkage models
- Output 3: Evidence disseminated and resources to support transition and scale up identified and mobilized including engaging PEPFAR and other funders to include HIVST into programmes



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- Conduct costing analysis and modelling to evaluate CE of HIVST approaches at a country level

# HIVST Service Delivery Approaches



# Where to Begin with HIV Self-Testing

**Know your epidemic  
& testing gap**

**Approaches**

**Considerations**

**Couples & Partners**

**Men**

**Key populations**

**Young people**

**Other  
At risk populations**

(SDC, partners of PLHIV, migrants etc.)

**Community-based  
(outreach, door-to-door)**

**VMMC programmes**

**Pharmacies & Kiosks**

**Internet & Apps**

**Vending machines**

**Facility-based  
(PITC, drop-in centres)**

**Workplace programmes**

**Integrated in KP  
Programmes**

**Integrated in RHS &  
Contraceptive Services**

**Partner-delivered**

**Benefits & Risks to  
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**Support tools**

**Linkage**

**Increased access**

**Increased coverage**

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# STAR Models to target MEN



- Workplaces:
  - Focus on male dominated workplaces such as Mining, Construction, Security and Agriculture
- Transportation hubs:
  - Taxi Ranks, bus stops
  - Truckers
- Community Based Distribution
  - Male twilight clinics
  - Male targeted communication strategy
- Facility – ANC: Secondary distribution to male partners



# Distribution to date

- 12 weeks of distribution in selected sub-districts in Gauteng, NW, and MP

			Men reached			
Distribution Cl	Distribution Model	Distribution Mode	Total	HIVSS on site	# Male	% Male
Workplace	Workplace	Primary -	9793	438	6413	66%
		Primary -	199	0	45	25%
Workplace	Workplace	Total Primary	9992	438	6458	
		Secondary -	4056	0	1903	47%
		Secondary -	88	0	75	90%
		Total Secondary	4144	0	1978	
Community	Workplace Ass. Community	Primary	5851	226	3151	54%
		Secondary	40	0	23	61%
	Mobile Integrated	Primary	1231	1063	738	63%
		Secondary	7	0	7	88%
	Fixed Point/hotpot	Primary	11258	821	5526	50%
		Secondary	4635	0	3494	76%
	Sex worker	Primary	55	17	2	12%
		Secondary	157	0	87	61%
Facility	Ante-natal	Secondary				
	HIV+ index	Secondary				
			<b>37370</b>	<b>2565</b>	<b>21464</b>	<b>58%</b>

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