

### 1st Health Working Group

18<sup>th</sup> -20<sup>th</sup> January 2023

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#### Session 2

Strengthening Cooperation in Pharmaceutical Sector with Focus on Availability & Access to Safe, Effective, Quality and Affordable

Medical Countermeasures (MCMs) —

VTDs (Vaccine, Therapeutics & Diagnostics)

**Bill Rodriguez, FIND** 



#### Barriers to equitable access to diagnostic tests

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Competition from buyers in high income countries (HICs)

Preferred tests designed for HICs  ${f not}$  suitable and overpriced for LMICs



Access delays due to inadequate regulatory approvals and lack of transparency





Fragmented and expensive supply chains



Sub-optimal systems for sample transport, to remote testing sites



Lack of well-performing tests in the market with limited availability of tests for priority diseases in LMICs

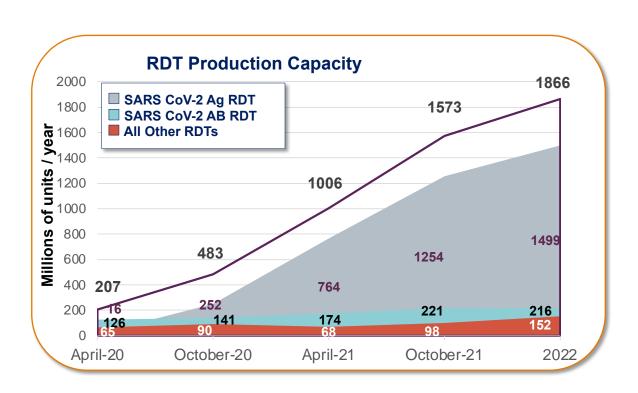


High dependency on limited set of manufacturers in, and lack of manufacturing capacity in regions where need is greatest

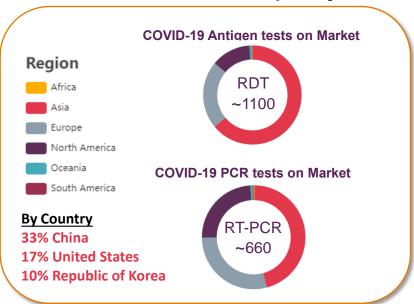




## Global Dx production capacity has grown dramatically but remains highly centralized



60% of production limited to ONLY 3 countries with needs of LICs/LMICs not met adequately



Source: Confidential manufacturer interviews n=17, April 2021.



### **COVID-19** enabled technology transfer for regional manufacturing of diagnostics



Supported by ACT-A **Diagnostics Pillar** 



**Products** 



**Total Capacity For LMICs** 



Locations

Senegal

India

China



**Priority Markets** 



**Pricing / Savings** 

- Late-stage R&D
- Clinical validation
- **Regulatory support**
- **Technology transfers**
- Improving fragile supply chains through strengthening local capacity
- **Decreasing prices**

4 manufacturers

COVID-19 Antigen RDTs

capacity from 128 to 314 mill test per year through ACT-A

Increase in

Brazil

**LMICs** 

Decreased prices from \$5 to \$1.50 per test















Funding to support capacity expansion in exchange for access pricing



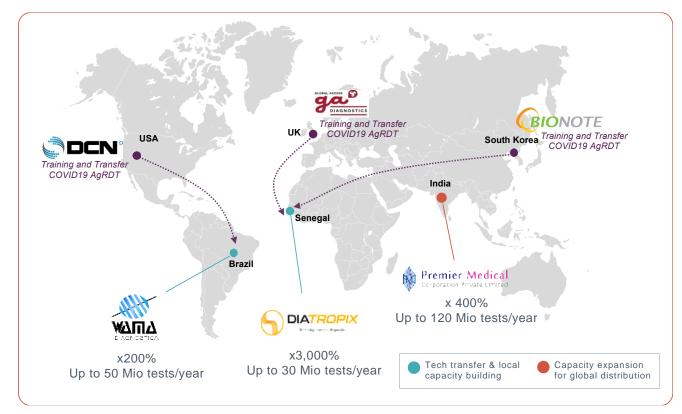
Building and expanding local manufacturing capacity in LMICs through technology transfer agreements between diagnostic developers and local manufacturers



**Technical assistance** for manufacturing, regulatory procedures, and market entry



Ensuring high-volume commitment and distribution to LMICs through manufacturing capacity expansion





### Sustained, secure global supply of affordable diagnostic tests will require a coordinated network



Technical & business innovation

Support for the co-development of transformative diagnostics

Identify
innovative
business models
built for
sustainability



Partner matchmaking & tech transfer

Establish a
network of
developers and
manufacturers to
foster win/win
partnerships

Use the Center of Excellence approach to facilitate tech transfer



Technical assistance & guidance

Support in building the test portfolio and identifying skilled personnel

Perform
independent
evaluations to
help local
manufacturers
choose the best
tests to transfer



Market entry & regulatory support

Perform and share market intelligence and demand assessment reports

Support regulatory and market access strategies



Advocacy with local authorities and buyers

Demonstrate
long-term cost
effectiveness and
impact on supply
security and
broader economic
benefits

**HUBS** 

**SPOKES** 





# Collaborative global network of DX R&D and Manufacturing Hubs



Align agendas with regional and global health priorities



Explore disease areas that are underserved by global manufacturers but are aligned with country priorities

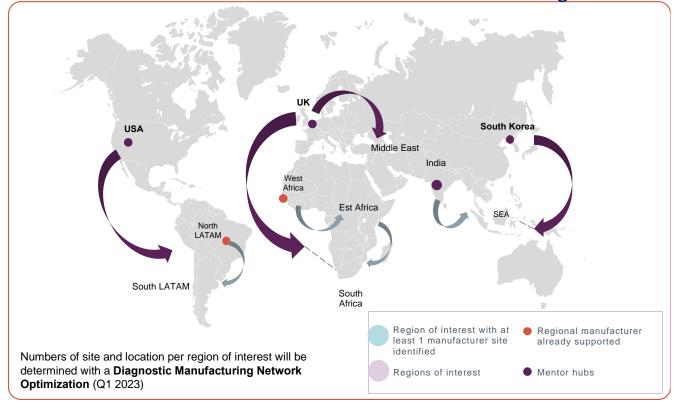


Link procurement to questions of improving fragile supply security & broader economic benefits



Link manufacturing development efforts to address access gaps in regional health systems







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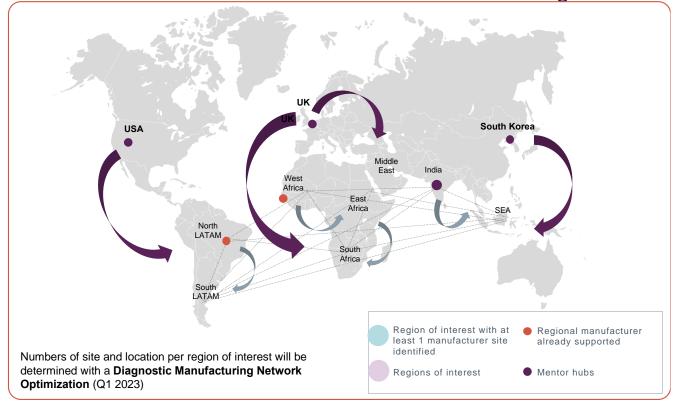


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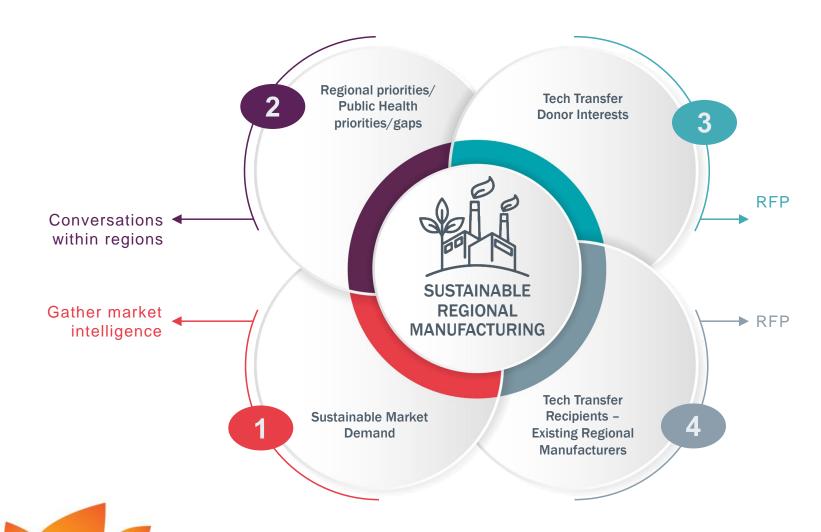
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### Setting up a DX R&D and Manufacturing network





### **Thank You**