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# Translating Research innovations into policy & practice

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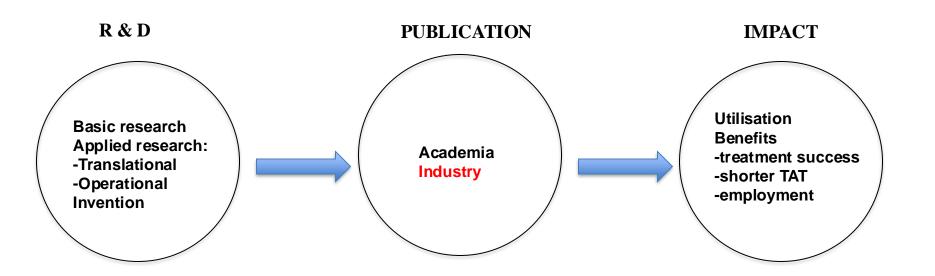




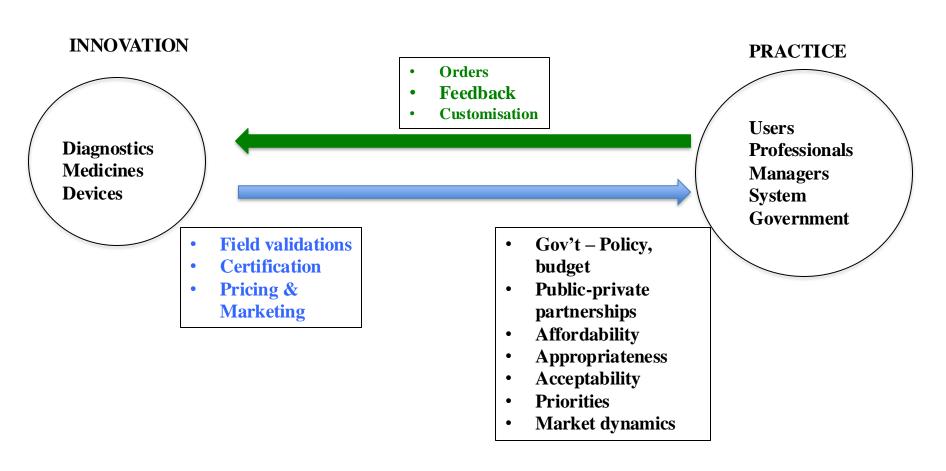


### Translating research into policy & practice

#### What is the aim of R&D?



## Thinking beyond invention – two-way process



#### 1. Discovery and Proof of Concept

- Conduct rigorous scientific research to establish the safety, efficacy, and feasibility of an innovation.
- Publish findings in peer-reviewed journals to build credibility.
- Obtain regulatory approvals (e.g., FDA, EMA) for clinical application.

#### 2. Stakeholder Engagement and Collaboration

- Involve policymakers, healthcare professionals, patients, and industry partners early in the process.
- Establish interdisciplinary teams to align scientific discoveries with public health needs.
- Engage in continuous dialogue with regulatory agencies to ensure compliance.



#### 3. Health Technology Assessment (HTA) and Economic Evaluation

- Assess the cost-effectiveness, scalability, and sustainability of the innovation.
- Conduct comparative effectiveness research to justify policy adoption.
- Address affordability and reimbursement strategies with insurers and government agencies.

#### 4. Evidence Synthesis and Policy Development

- Translate research findings into actionable policy recommendations.
- Develop guidelines and best practices through organizations like WHO,
   CDC, or NIH.
- Advocate for policy change through white papers, advisory committees, and legislative briefings.



#### 5. Implementation and Integration into Healthcare Systems

- Develop pilot programs to test real-world applicability.
   Engage healthcare managers to ensure their buy in.
- Train healthcare providers and administrators on new protocols.
- Ensure infrastructure and digital health tools support the innovation.

#### 6. Monitoring, Evaluation, and Continuous Improvement

- Track implementation outcomes through surveillance and feedback mechanisms.
- Address barriers to adoption through ongoing research and policy refinement.
- Adjust guidelines based on emerging data and patient outcomes.



#### 7. Public Awareness and Advocacy

- Communicate benefits and risks to the public to foster acceptance.
- Engage with media and patient advocacy groups to drive awareness.
- Promote equitable access to ensure broad societal impact.



### **Exercise on Research Translation Dynamics**

- Your team wants to establish whole genomic sequencing service at your hospital, what barriers do you envisage and how do you overcome them? **GROUP 1**
- You are a diagnostic developer or translational researcher developing a novel diagnostic test, what translational challenges do you need to consider and how would you solve them? – GROUP 2
- You want to introduce a new diagnostic kit such as TB-MBLA at your hospital, what barriers do you envisage and how do you overcome them? **GROUP 3**

Identify barriers/challenges and solutions and present to the rest of the group

# Common barriers to getting innovations into practice Presence of policy doesn't always mean practice of policy

- Research: generates evidence to inform policy making.
- Policy: framework of rules or guidelines to promote delivery of service
- Practice: Actual Implementation of policy, delivery of services, putting infrastructure in place etc. Depends on:
  - Resources: financial, human, infrastructure etc
  - Governance: political will, rule of law, no corruption, strong institutions,
     priorities etc
  - Culture: policy appropriateness & acceptability, gender equality etc
  - Management style and traditionalism (unwillingness to adapt to new platforms)