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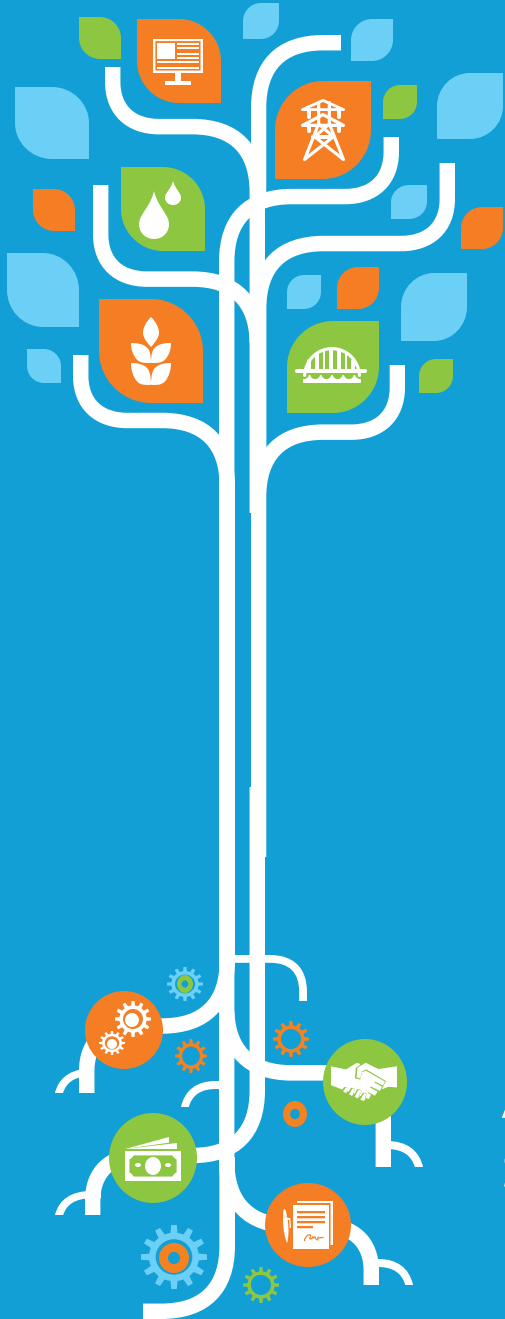
Health Infrastructure and Innovative Digital Health Solutions

11 October 2022

Presented by
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BUSINESS
OPPORTUNITIES

Progress Towards Universal Health Coverage up to 2019

ADB

Developing Asia had **mixed progress** on the Sustainable Development Goal (SDG) 3 UHC-related indicators
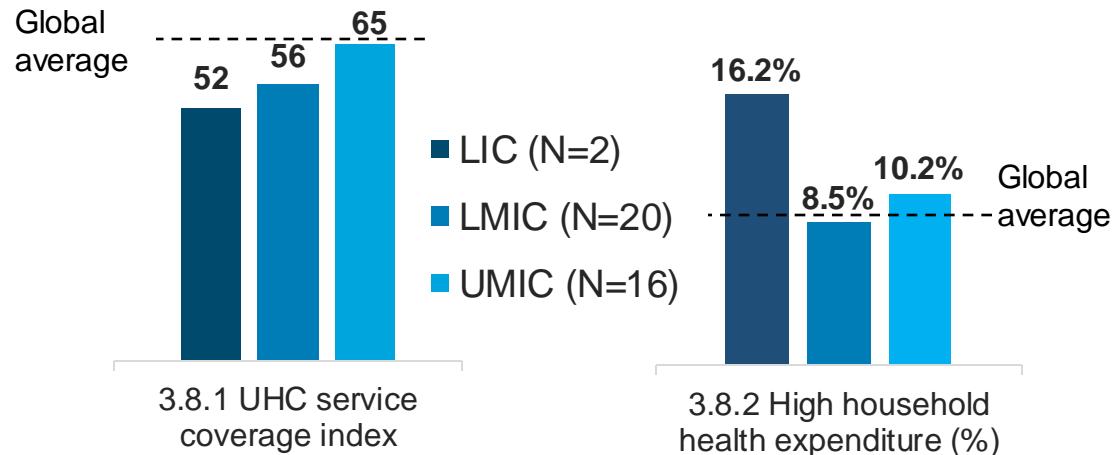
- DMCs across income groups performed below the global average on the **service coverage index**

- Upper middle-income economies (UMIC) had high proportion of households facing significant **out-of-pocket spending**

SDG 3: UHC indicators, 2019
ADB Asia Pacific Countries with Operations[1]

Global average — 65

52   56   65

LIC (N=2)
LMIC (N=20)
UMIC (N=16)

3.8.1 UHC service coverage index

16.2%   8.5%   10.2%   Global average

3.8.2 High household health expenditure (%)

Health systems face **challenges**, including:

- **Epidemics/pandemics** disrupting health supply and demand, workforce losses, and high economic cost

- **Triple burden** – maternal and child health, rising non-communicable diseases, and trauma and road injuries

- **Stress on human health from climate change**

- **Fiscal pressure on the social sector**

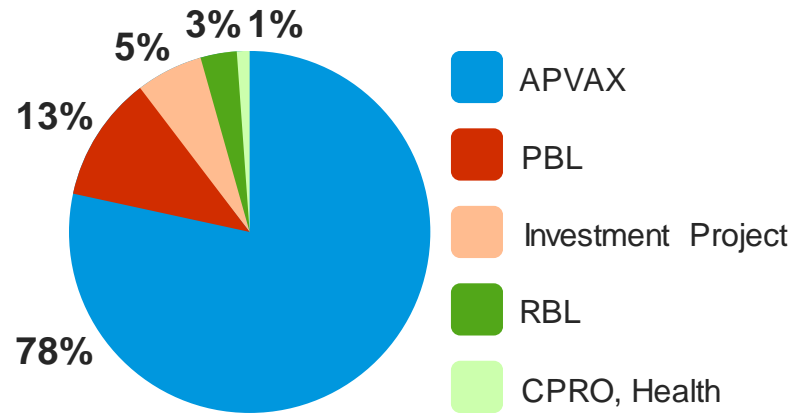- Rapid **urbanization** and **demographic shifts**

BUSINESS OPPORTUNITIES

ADB Health Sector Composition and Pipeline

Health Sector Approvals
2021 USD 5.78B

- APVAX — 78%
- PBL — 13%
- Investment Project — 5%
- RBL — 3%
- CPRO, Health — 1%

Health Pipeline
2022 USD 0.97B

- APVAX — 12%
- Non-APVAX: HSS & others — 88%
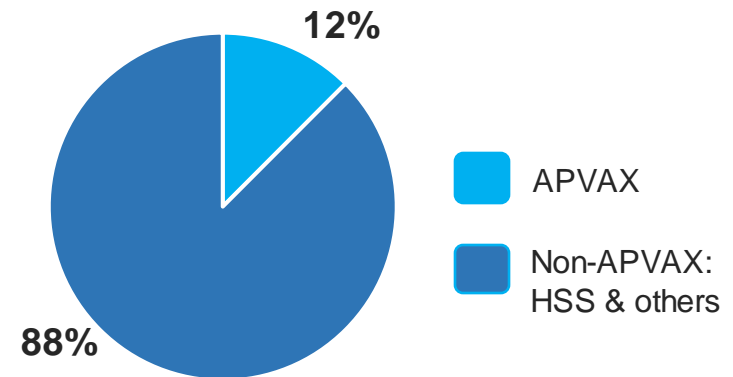
In December 2020, ADB launched its **USD 9 billion Asia Pacific Vaccine Access Facility (APVAX)**. Under this, as of 11 October 2022 ADB had committed USD 5.32 billion in financing across 16 approved projects, of which ADB's own financing is USD 4.2 billion (reflected in chart), cofinancing is USD 1.12 billion.

Altogether, APVAX expects to finance 1.02 billion doses of vaccines

Vision and approach for ADB's Health Sector Directional Guide (HSDG), 2021-2030

Vision: Provide financing and knowledge products to rapidly progress to universal health coverage in Asia and the Pacific.

Key trends: Provide long-term strategic direction, guide knowledge activities, input in DMC engagement via CPS, influence multi-sectoral endeavors

I. **Rapid urbanization alongside climate change**

II. **Demographic trends**, especially aging

III. **Decentralization and regional cooperation**(e.g., around health security)

IV. **Digitalization of society and processes**

Focal areas: Guide skills-building and staffing, influence pipeline creation: SOV/NSO, generate flagship projects in DMCs

I. **Governance, policy and public goods:** regulation, legislation, and stewardship

II. **Architecture:** infrastructure, data systems and supply chains

III. **Financing and incentives:** public - and private - led

IV. **Workforce:** clinical, technical and managerial - link with OP1

Universal Health Coverage Results

- Universal access to high - quality services
- Impoverishment due to medical payments eliminated

Cross-cutting priorities: Address programming priorities and enhance projects' development effectiveness

Gender equality across all domains

Climate change mitigation and adaptation

Pandemic preparedness

The HSDG is currently being finalized and will be released in Q4 2022

Highlighted ADB health infrastructure investments

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1. Hospital and secondary health infrastructure

Project examples:

- **Pakistan**: **$100M Khyber Pakhtunkhwa (KP) Health System Strengthening Program** (committed loan, 2022) – focused on quality of care in hospitals in KP province, including modernization of infrastructure and equipment, supply chains

- **Thailand: $255M Medical Excellence Centers project** (planned loan, 2023) – expansion in tertiary-level hospital infrastructure in five health regions, increase in medical/nursing capacity, green health infrastructure in public sector hospitals

Key opportunities

Green health infrastructure: building design, low-carbon energy, process improvement

EMRs / MIS / other IT systems: integrated, highly digitized, scalable solutions

Sustainable medical waste management: on-site waste compaction & incineration, biological waste disposal

Climate and disaster-risk resilience: Climate-proofing, adaptive management, staff training

BUSINESS OPPORTUNITIES

# Highlighted ADB health infrastructure investments

2. Pharmaceutical manufacturing

Project examples:

- **Bangladesh**: **(financing $TBD) Vaccine Manufacturing Project** (planned loan, 2023-24) – With TA support for design, structural engineering, facility construction, equipment procurement, installation, commissioning and validation of project. Financed facility will manufacture human and animal vaccines. Supported by enhancement of country regulatory capacity and manufacturing related technical knowhow.

Key opportunities
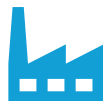
Design and engineering: pre-construction design and feasibility; equipment plans

On-site quality control and improvement: prevention of on-site contamination, BSL 2/3, six-sigma

Training and systems: staff capacity development, process improvement, ICT

Regulation and business planning: Managing regulatory approvals, process control, long-term planning for expansion, etc.

ADB focus on digital technologies for the social sector

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BUSINESS OPPORTUNITIES

Improved government services

- Digital technology to boost growth, expand opportunity and increase efficiency and effectiveness of public services

- Address data privacy and other regulatory challenges

Targeted investment & partnerships

- Invest in infrastructure, capacity and skills to realize the benefits of digital technology

- Use ADB managed trust funds and other financing to invest in both public and private actors

Foster an enabling environment

- Encourage entrepreneurship, self-governance and effective regulation, as well as innovation
- Promote reaching scale with developmental impact

Highlighted projects in digital health

1. Digital financing for health

Project examples:

- **Regional technical assistance project: $2.5M *Using digital technology to improve national health financing*.**(ongoing) – Working in six countries to conduct assessments and provide support to help digitalize the business processes of health insurers, increase interoperability between insurers and CRVS, national ID systems, increasing use of digital payments for health

  - ***Forthcoming procurement in Q4 2022: $1.3M*** support across multiple countries, including innovation challenge for digital health financing (2023)

2. eHealth, electronic medical records, HIS

Project examples:

- **Support to Lao People's Democratic Republic**.(ongoing) – Support to electronic medical records implementation, national digital health ID system (link with CRVS and national ID), etc.

  - Current international consultant for Lao PDR represents French expertise
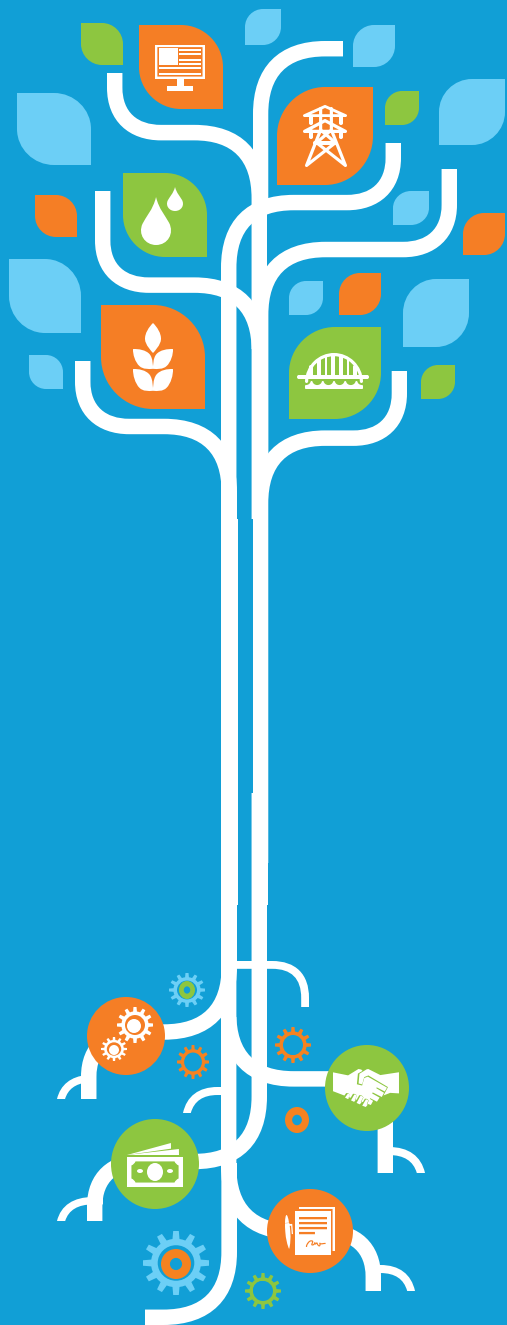
THANK YOU!

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