



Food and Agriculture
Organization of the
United Nations



World Health
Organization

Overview of Western Pacific Regional Antimicrobial Consumption

Surveillance System (WPRACSS)

Takeshi NISHIJIMA

WHO Regional Office for the Western Pacific

Webinar on the FAO - OIE - WHO One Health Approach to AMR Mitigation and Safer Food in the Asia-Pacific Region

29 - 30 September 2021

For the Future

Towards the Healthiest and Safest Region

A vision for WHO work with Member States
and partners in the Western Pacific



For the Future

Towards the Healthiest and Safest Region

A vision for WHO work with Member States
and partners in the Western Pacific



Health security,
including antimicrobial
resistance



NCDs and ageing



Climate change, the
environment and
health



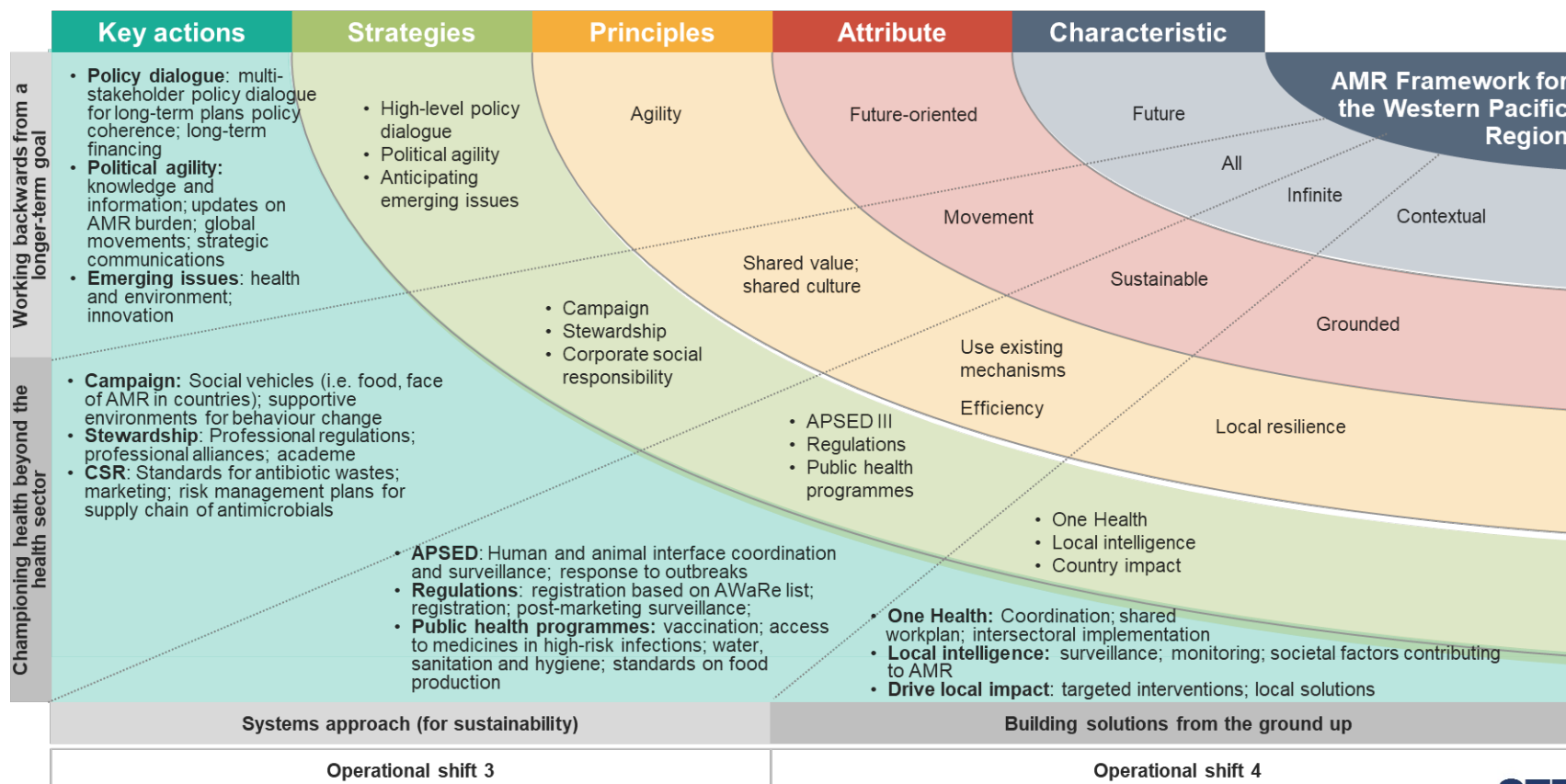
Reaching the unreached – people
and communities still afflicted by
infectious disease, and high rates
of maternal and infant mortality



WPR member states endorsed regional AMR framework in October 2019

AMR Operational Shifts Map

Securing our future: A Regional Framework to Combat AMR



Framework for Accelerating Action to Fight Antimicrobial Resistance in the Western Pacific Region

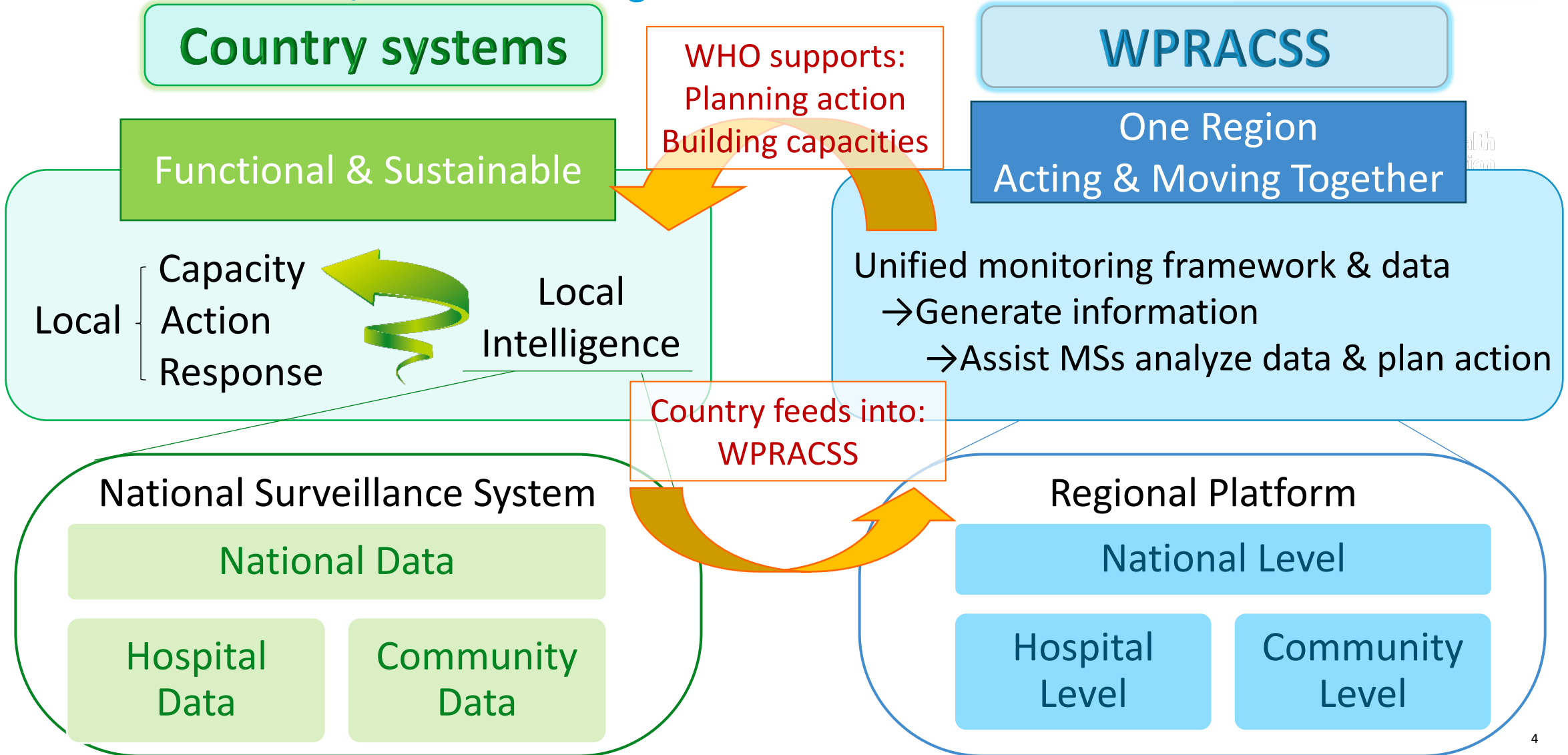


STEWARDS FOR THE FUTURE
 One Region, One Movement to Fight Antimicrobial Resistance

Operational shift 4: Grounds-up

Western Pacific Regional Antimicrobial Consumption Surveillance System (WPRACSS) supports AMC surveillance in the country

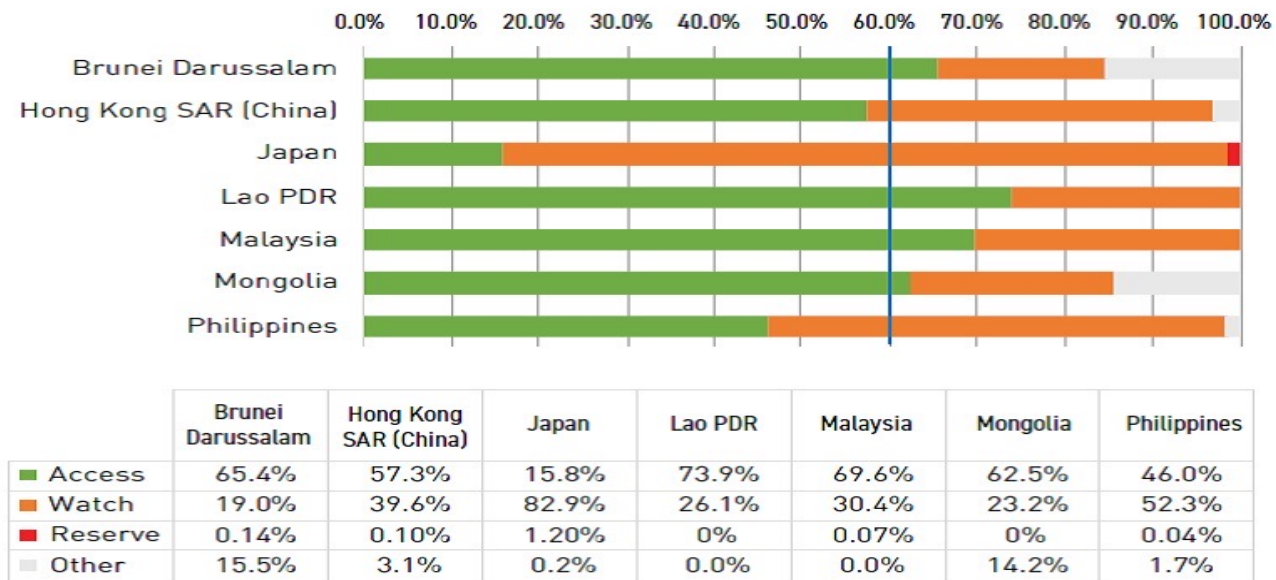
- as a tool for action/decision making -



The objectives of WPRACSS

WPRACSS aims to conduct antimicrobial consumption monitoring across the Western Pacific Region with the aim of increasing multi-stakeholder accountability and strengthening stewardship of antimicrobials and clinical practice to improve health outcomes.

Fig. 17. National consumption of antibiotics for systemic use by country or area by AWaRe categorization in 2018



WPRACSS

Antimicrobial Consumption in the WHO Western Pacific Region

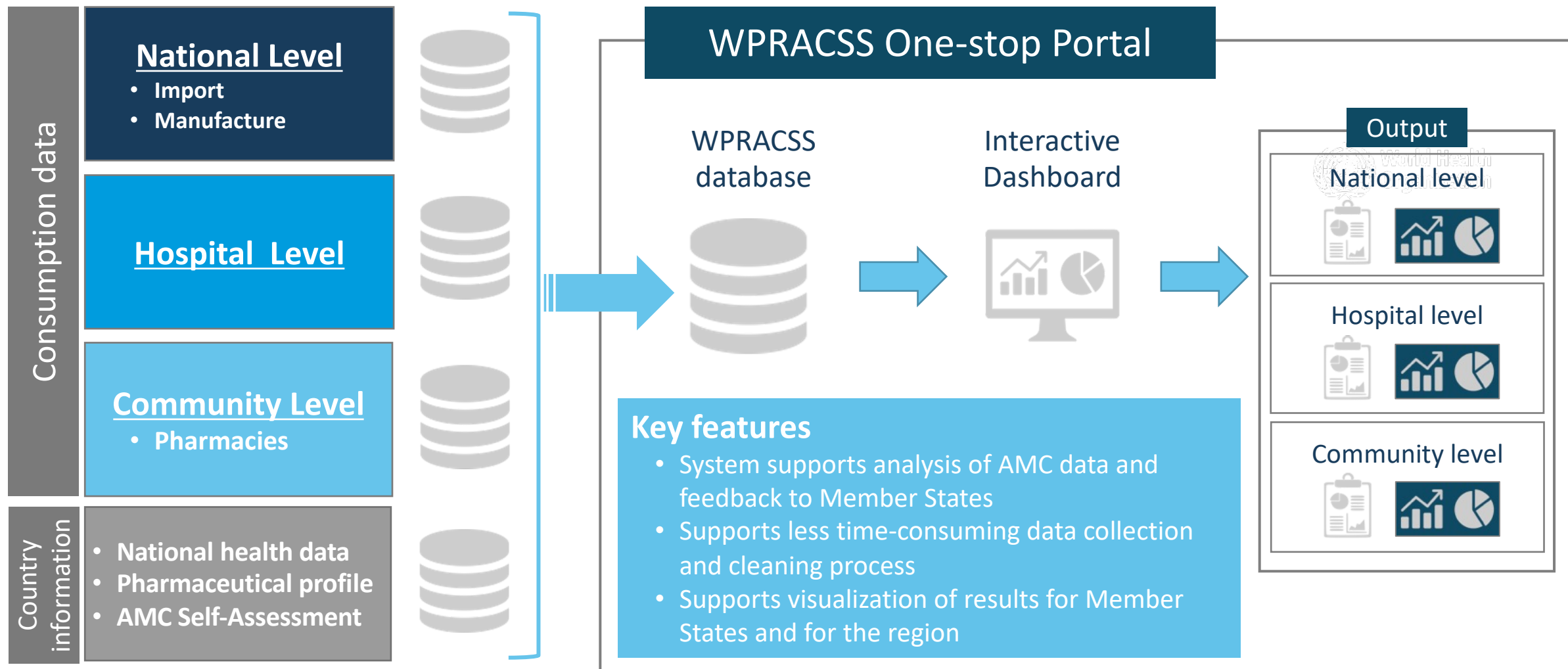
Early implementation of the Western Pacific Regional
Antimicrobial Consumption Surveillance System (WPRACSS)



World Health
Organization
Western Pacific Region

STEWARDS FOR THE FUTURE
One Region One Movement to Fight Antimicrobial Resistance
Join the movement <http://globalantibioticawareness.org>

Western Pacific Regional Antimicrobial Consumption Surveillance System



As of 2 September 2021, 14 countries/areas have nominated focal points to participate

WPRACSS one stop portal for the national level consumption



National Level

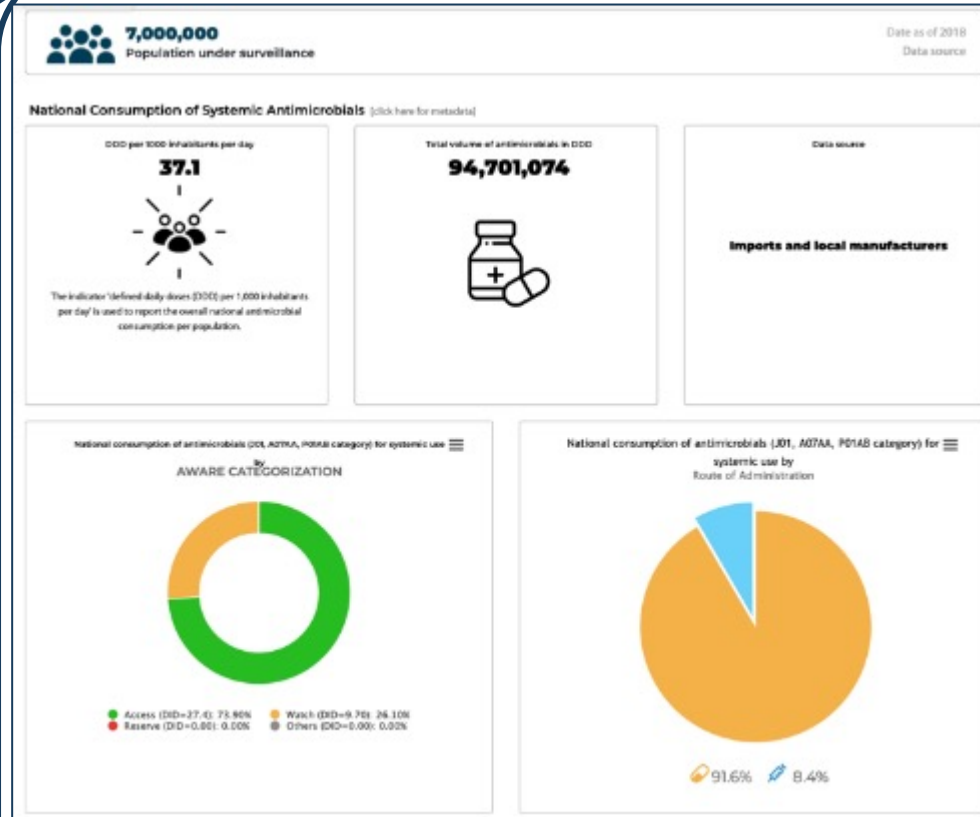
- Import
- Manufacture
- Whole sales

Hospital Level

Community Level

- Pharmacies

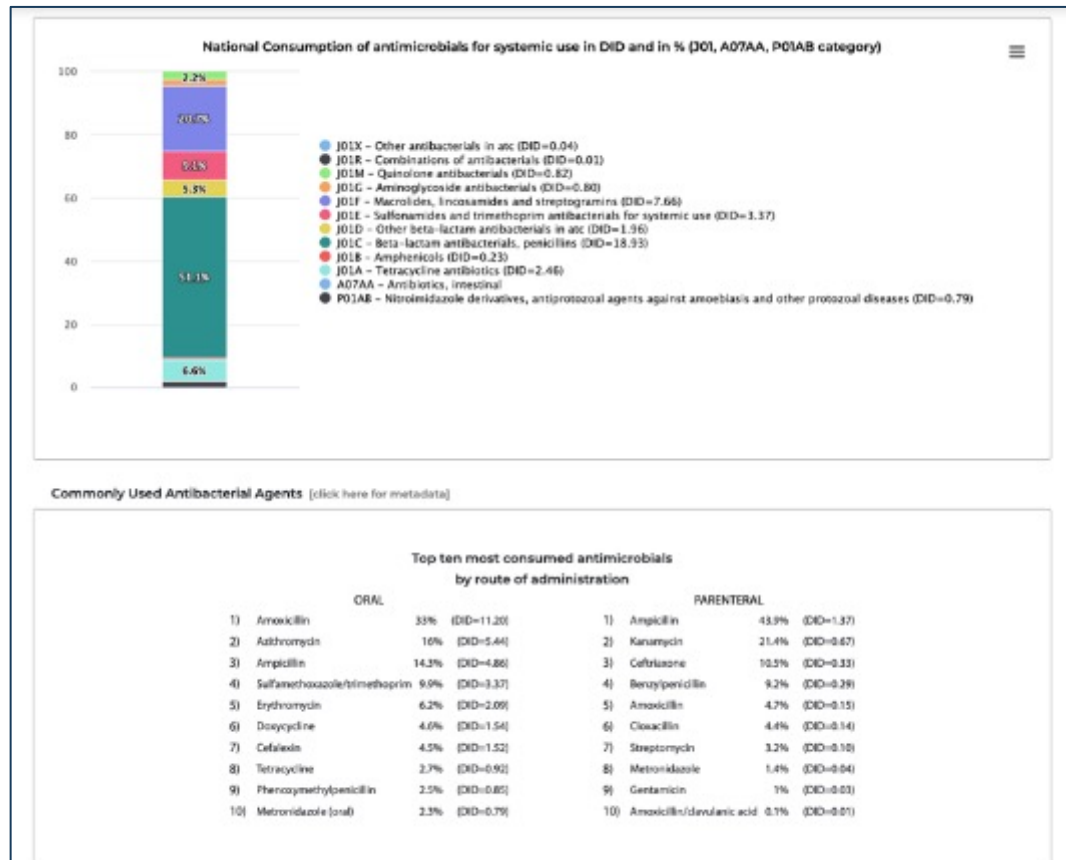
- National health data
- Pharmaceutical profile
- AMR Self-Assessment



Major indicators at a glance

Indicators and graphs will be calculated instantly and automatically after data validation by WPRO.

▼ **Detailed breakdown also displayed**
DDD/1k persons/day (DID) calculated by ACT categories.
All graphs can be exported as image/PDF.



Western Pacific Regional Antimicrobial Consumption Surveillance System



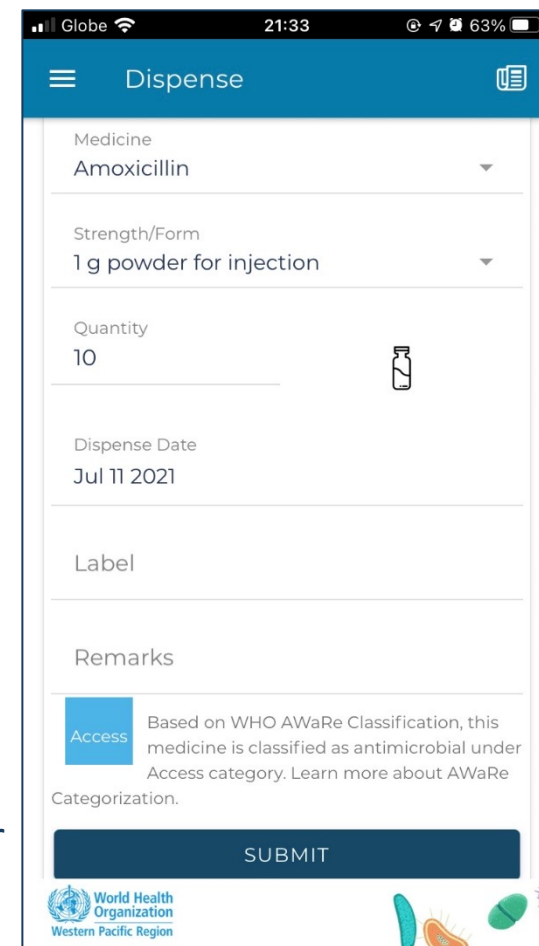
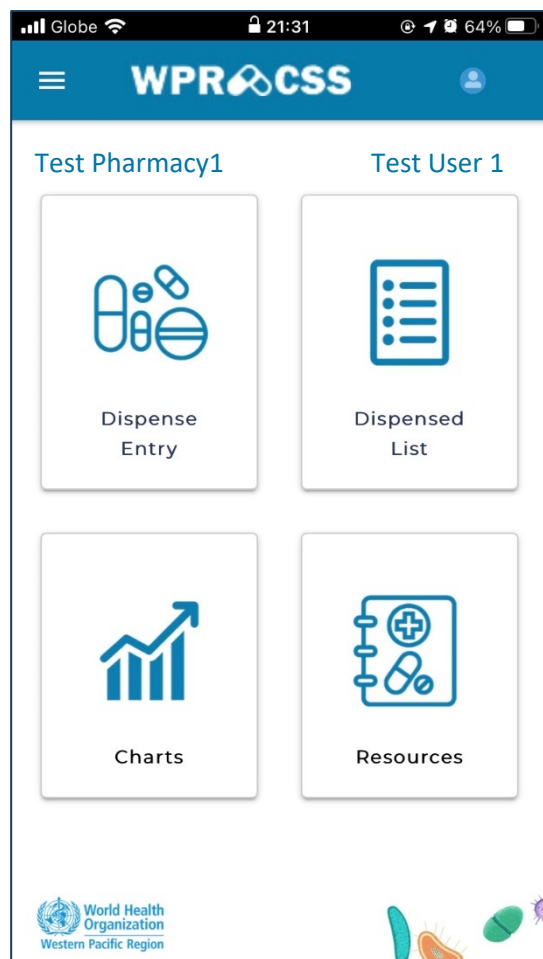
Smartphone/Tablet app to record dispensing

Four functions for users

1. Data entry form (right image)
2. Data entry log
3. Visualization in graphs
4. Resources for tool usage and AMR studying

Simple data entry form

1. Medicine (generic name)
2. Specification (strength/form)
3. Quantity (in specified form)
4. Date of data entry
5. (Labels and remarks for user comments/memos)



* Apps currently under development



Table 1. Countries and areas participating in WPRACSS and their official focal points

COUNTRY/AREA	Focal point
Brunei Darussalam	Ministry of Health
Cambodia	Ministry of Health
China	National Institute of Hospital Administration
Hong Kong SAR (China)	Centre of Health Protection (Department of Health)
Japan	Ministry of Health, Labour and Welfare
Lao People's Democratic Republic	Food and Drug Department, Ministry of Health
Malaysia	Ministry of Health
Mongolia	Ministry of Health
New Zealand	Ministry of Health
Philippines	Department of Health
Papua New Guinea	Department of Health
Republic of Korea	Korea Disease Control and Prevention Agency & Ministry of Health and Welfare
Singapore	National Centre for Infectious Diseases
Viet Nam	Ministry of Health

The data call this year

For the national level consumption data for 2019 and 2020

Time What period will be reported?

- Data of 2019
- Data of 2020

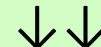
Source Which source and coverage?

- Domestic manufacture
- Import (and Export)

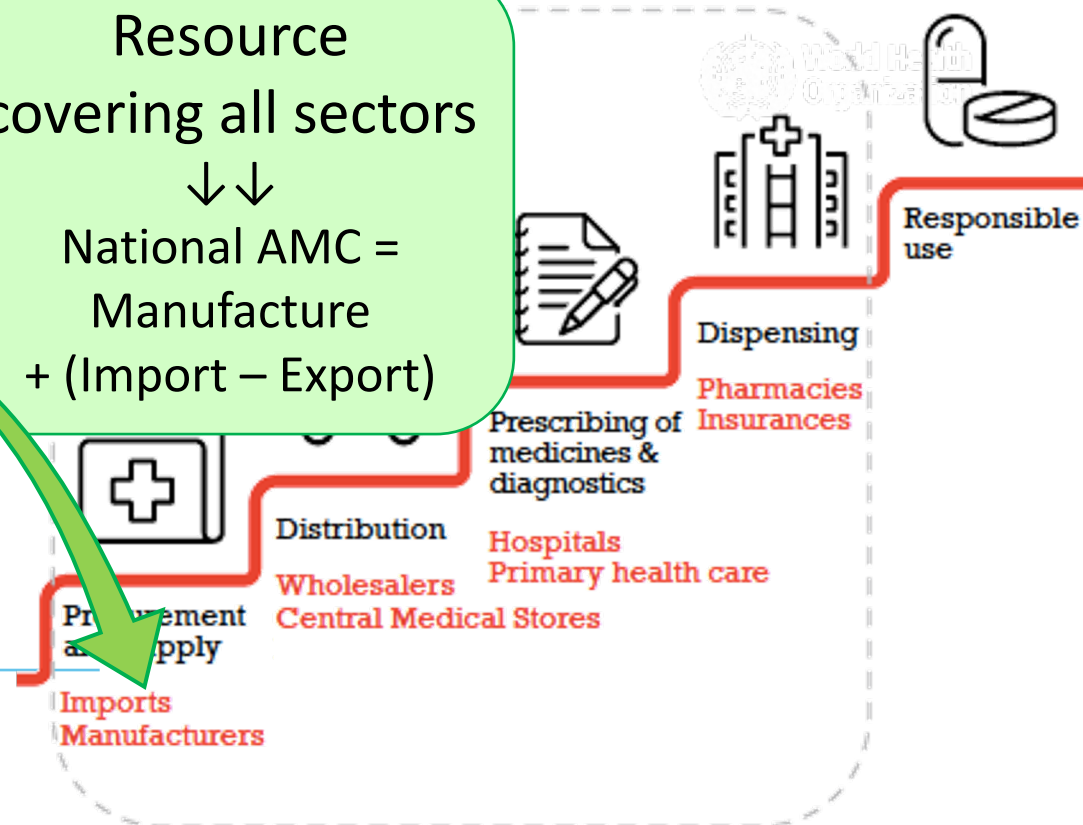
Items What will be reported

- Item-wise consumption data
 - * Aggregated report: no longer used from 2021 data call
- No price data needed

Resource
covering all sectors



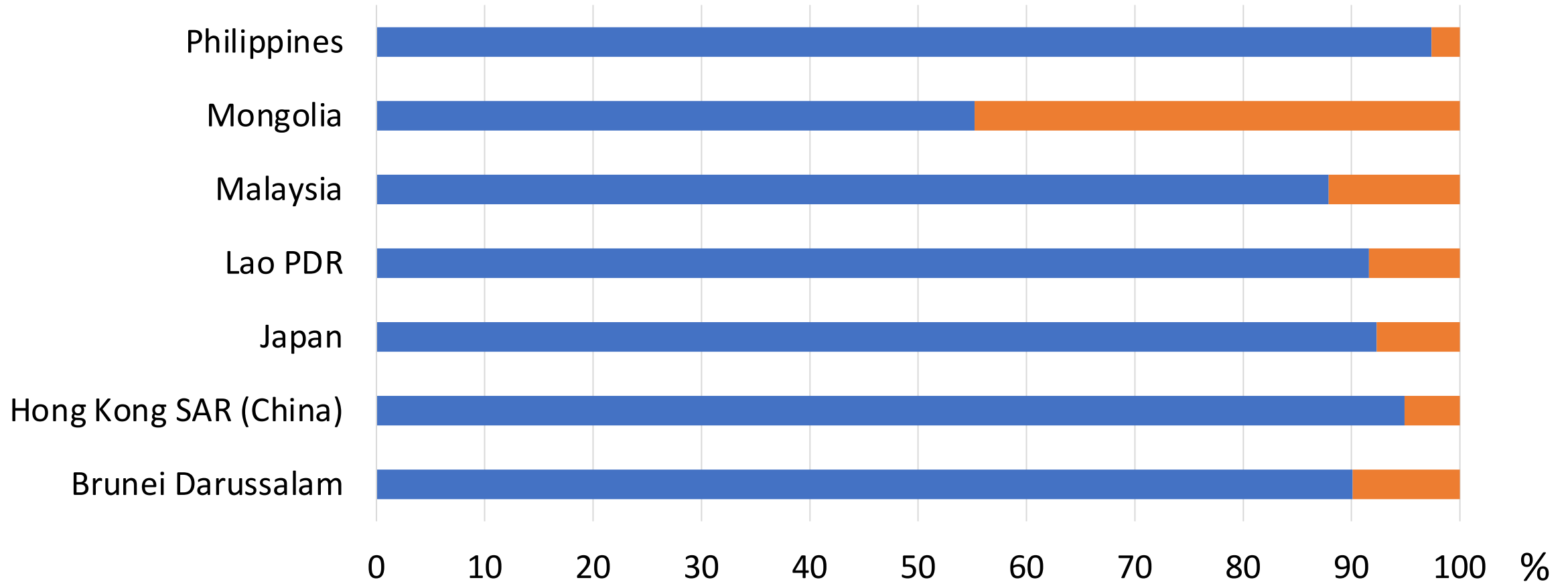
National AMC =
Manufacture
+ (Import – Export)



Most antibiotics are oral or prescribed for outpatients

Better stewardship for prescription for outpatients is of importance

■ Oral antibiotics ■ Parenteral antibiotics



• WPRACSS 2018 data

Way forward

- Western Pacific Regional Antimicrobial Consumption Surveillance System (WPRACSS) supports antimicrobial consumption surveillance in the country as a tool for action/decision making
- The second data call for the national level AMC data for 2019 and 2020 is ongoing
- The hospital and community level AMC module will be finalized and piloted soon to inform policy and clinical management