WHO South East Asia Region
Antimicrobial Resistance (AMR) Self-Assessment as of 13 August 2018

1. One Health working arrangements
   - 10 MS have established
   - 1 MS yet to establish
     a. Actively involved in developing and implementing the AMR NAP - [Human Health]
        - 11 MS have involved
     b. Actively involved in developing and implementing the AMR NAP - [Animal Health]
        - 10 MS have involved
        - 1 MS yet to involve
     c. Actively involved in developing and implementing the AMR NAP - [Plant Health]
        - 4 MS have involved
        - 7 MS yet to involve
     d. Actively involved in developing and implementing the AMR NAP - [Food Production]
        - 4 MS have involved
        - 7 MS yet to involve
     e. Actively involved in developing and implementing the AMR NAP - [Food Safety]
        - 5 MS have involved
        - 6 MS yet to involve
     f. Actively involved in developing and implementing the AMR NAP - [Environment]
        - 4 MS have involved
        - 7 MS yet to involve

2. Progress with national action plan on AMR:
   - 11 MS have completed
     a. NAP-AMR linked to any other existing action plans, strategies or targets related to HIV, tuberculosis, malaria or neglected tropical diseases
        - 4 MS have linked
        - 7 MS yet to link
     b. NAP-AMR linked to existing action plans [HIV]
        - 2 MS have linked
        - 4 MS yet to link
        - 5 MS yet to response
c. NAP-AMR linked to existing action plans [Tuberculosis]

- 3 MS have linked
- 3 MS yet to link
- 5 MS yet to response

d. NAP-AMR linked to existing action plans [Malaria]

- 3 MS have linked
- 3 MS yet to link
- 5 MS yet to response

e. NAP-AMR linked to existing action plans [NTD]

- 1 MS have linked
- 5 MS yet to link
- 5 MS yet to response

3. Risks and response in human health:

- 5 MS have nationwide, government-supported antibiotic supported awareness campaign
- 6 MS has limited or small-scale of awareness campaign

3.a Risks and response in animal health, plant health, food production, food safety, and environment sectors

- 2 MS have nationwide, government-supported antibiotic supported awareness campaign
- 3 MS have limited or small-scale of awareness campaign
- 3 MS have no significant awareness-raising activities
- 3 MS yet to response

3.b Risks and response in animal health [terrestrial and aquatic]

- 3 MS have nationwide, government-supported antibiotic supported awareness campaign
- 4 MS have limited or small-scale of awareness campaign
- 1 MS has some activities in parts of the country to raise awareness
- 1 MS has no significant awareness-raising activities
- 2 MS yet to response

3.c Risks and response in plant health

- 3 MS has some activities in parts of the country to raise awareness
- 4 MS has no significant awareness-raising activities
- 4 MS yet to response
3.d Risks and response in food production

- 2 MS have limited or small-scale of awareness campaign
- 3 MS has some activities in parts of the country to raise awareness
- 1 MS has no significant awareness-raising activities
- 5 MS yet to response

3.e Risks and response in food safety

- 4 MS have limited or small-scale of awareness campaign
- 1 MS has some activities in parts of the country to raise awareness
- 2 MS has no significant awareness-raising activities
- 4 MS yet to response

3.f Risks and response in environment

- 1 MS have limited or small-scale of awareness campaign
- 1 MS has some activities in parts of the country to raise awareness
- 4 MS has no significant awareness-raising activities
- 5 MS yet to response

3.g Training in the human health sector:

- 1 MS have available continuing professional development (CPD) opportunities nationwide.
- 5 MS have covered AMR in some pre-service training and/or some special courses for health workers.
- 3 MS have only ad hoc training courses
- 2 MS do not have training yet

3.h Training in the veterinary sector:

- 3 MS have available continuing professional development (CPD)
- 1 MS have covered AMR in some pre-service training
- 4 MS have only ad hoc training courses
- 3 MS have no training activity yet

3.i Training in the farming sector:

- 6 MS have only ad hoc training courses
- 5 MS have no training activity yet

3.j Progress strengthening veterinary service:

- 2 MS have monitoring services
- 2 MS have plan implementation underway
- 6 MS have only assessed and plan to develop
- 1 MS have no systematic approach yet
4. National monitoring system AMR in humans:
- 1 MS have functioning national AMR monitoring system
- 6 MS have systems designed for surveillance of antimicrobial use, that includes monitoring national level sales or consumption of antibiotics in health services.
- 4 MS still do not have national plan or system for monitoring use of antimicrobials

4.a National monitoring system in animals
- 2 MS have system for data collection and reporting
- 7 MS have agreed plan
- 2 MS have no systematic approach yet

4.b National monitoring system in plant production
- 1 MS have system for data collection and reporting
- 1 MS have agreed plan
- 8 MS have no systematic approach yet
- 1 MS yet to response

4.c National surveillance system AMR in humans
- 2 MS have functioning national AMR surveillance system covering antibiotics in hospitals and outpatient clinics, with external quality assurance, and a national coordinating centre producing reports on resistance levels
- 6 MS have national AMR surveillance activities are in place for common bacterial pathogens that link patient information with susceptibility testing, with a national reference laboratory that participates in external quality assurance.
- 2 MS have AMR data is collated locally for common bacteria, but may not use a standardized approach and lacks national coordination and/or quality assurance.
- 1 MS still do not have capacity for generating data and reporting on antibiotic resistance

4.d National surveillance system for AMR in animals, plants, foods and Env.
- 3 MS have national surveillance activities in place
- 3 MS data is collected locally but may not use a standardized approach and lacks national coordination and/or quality assurance.
- 1 MS have no national plan or system for monitoring AMR in animals, food and agricultural production.
- 4 MS yet to response

4.e National surveillance system for AMR in animals [terrestrial and aquatic]
- 1 MS have national surveillance activities in place
- 3 MS data is collected locally but may not use a standardized approach and lacks national coordination and/or quality assurance.
- 4 MS have plan for monitoring but lacks capacity for surveillance
- 1 MS have no national plan or system
- 2 MS yet to response

4.f National surveillance system for AMR in plants
- 2 MS have plan for monitoring but lacks capacity for surveillance
- 5 MS have no national plan or system
- 4 MS yet to response
4.g National surveillance system for AMR in food
- 1 MS have national surveillance activities in place
- 3 MS data is collected locally but may not use a standardized approach and lacks national coordination and/or quality assurance.
- 1 MS have plan for monitoring but lacks capacity for surveillance
- 2 MS have no national plan or system
- 4 MS yet to response

4.h National surveillance system for AMR in environment
- 4 MS have plan for monitoring but lacks capacity for surveillance
- 2 MS have no national plan or system
- 5 MS yet to response

5. Infection Prevention and Control (IPC) in human health care:
- 2 MS has several infection control measures in IPC plans and implemented it nationwide
- 4 MS has national IPC SOPs, guidelines and protocols which are implemented in selected health-care facilities
- 4 MS have a national IPC policy or operational plan available
- 1 MS still do not have national IPC policy or plan

5.a Good health, management and hygiene practices to reduce the use of antimicrobials in animal and plant production and AMR transmission in food production
- 2 MS have national plan agreed to ensure good production practices in line with international standards
- 4 MS have some activities in place to develop and promote
- 1 MS have no systematic efforts to improve
- 4 MS yet to response

5.b Good health, management and hygiene practices to reduce the use of antimicrobials in animal health
- 1 MS have nationwide implementation of plan to ensure good production practices
- 5 MS have national plan agreed to ensure good production practices in line with international standards
- 2 MS have some activities in place to develop and promote
- 1 MS have no systematic efforts to improve
- 2 MS yet to response

5.c Good health, management and hygiene practices to reduce the use of antimicrobials in plant health
- 1 MS have national plan agreed to ensure good production practices in line with international standards
- 5 MS have some activities in place to develop and promote
- 1 MS have no systematic efforts to improve
- 4 MS yet to response

5.d Good health, management and hygiene practices to reduce the use of antimicrobials in food production
- 1 MS have nationwide implementation of plan to ensure good production practices
2 MS have national plan agreed to ensure good production practices in line with international standards
2 MS have some activities in place to develop and promote
1 MS have no systematic efforts to improve
5 MS yet to response

5.e Good health, management and hygiene practices to reduce the use of antimicrobials in food safety
2 MS have nationwide implementation of plan to ensure good production practices
1 MS have national plan agreed to ensure good production practices in line with international standards
3 MS have some activities in place to develop and promote
1 MS have no systematic efforts to improve
4 MS yet to response

5.f Good health, management and hygiene practices to reduce the use of antimicrobials in environment
3 MS have some activities in place to develop and promote
2 MS have no systematic efforts to improve
6 MS yet to response

6. Optimizing antimicrobial use in human health
2 Guidelines and other practices to enable appropriate use are implemented
2 MS have implemented in some healthcare facilities
5 MS have policy & regulation developed
2 MS have no/weak policy & regulation

6.a Optimizing antimicrobial use in animal and plant health
2 MS have national legislation covering all aspects
3 MS have national legislation covering some aspects
2 MS have no policy & legislation
4 MS yet to response

6.b Optimizing antimicrobial use in animal health [terrestrial and aquatic]
1 Guidelines and enforcement processes are in place
2 MS have national legislation covering all aspects
4 MS have national legislation covering some aspects
2 MS have no policy & legislation
2 MS yet to response

6.c Optimizing antimicrobial use in plant health
4 MS have national legislation covering some aspects
3 MS have no policy & legislation
4 MS yet to response

7. Legislation and/or regulations to prevent contamination of the environment with antimicrobials
1 functioning system for monitoring
3 MS have legislation encompass
4 MS have legislation in place to control
2 MS have no legislation
1 MS yet to response
7.a Regulations on prescription and sale of antimicrobials including for human use
- 9 MS have policies and regulations are in place
- 2 MS have no policy & regulations

7.b Not authorize to use of human and animal critically important antimicrobials for growth promotion
- 5 MS have policies and regulations are in place
- 6 MS have no policy & regulations

Source: [http://amrcountryprogress.org/](http://amrcountryprogress.org/)