

# **One Health Plus Integrated Antimicrobial Stewardship Approach: Thailand's experiences**

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# AMR milestones

67<sup>th</sup> WHA



2014

**Oct:** Landscape of AMR situation and action in Thailand



2015

**May:** GAP-AMR  
**Dec:** NHA adopted a resolution on AMR



2016

**Aug:** NSP-AMR was endorsed by the cabinet.  
**Sep:** UNGA Political on AMR



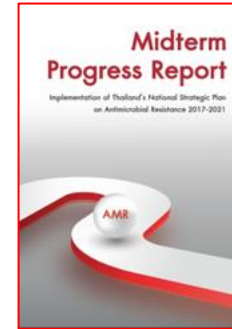
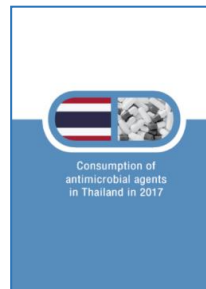
2017

**Jun:** 1<sup>st</sup> JEE for IHR  
**July:** National AMR committee meeting  
**Nov:** Declaration Call to Action on AMR



2018

**Jan:** 1<sup>st</sup> National Forum on AMR  
**Dec:** Establishing the M&E systems and the baseline data



2019

**Dec:** Mid-term progress report & Midterm evaluation  
**Dec:** 1<sup>st</sup> OH report on AMR



2020

**Feb:** 2nd National Forum on AMR (Roadmap 2020-2021)  
**Nov:** 1<sup>st</sup> Thailand's WAAW



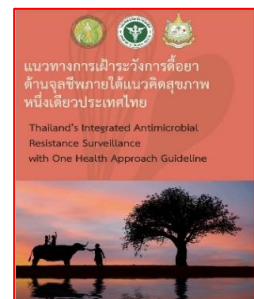
2021

**Jun:** A strategic review of the NSP-AMR 2017-2021 implementation  
**Sep:** A national guideline on antimicrobial stewardship and appropriate use of antibiotics  
**Nov:** 2<sup>nd</sup> Thailand's WAAW



2022

**Jan:** New evidence on AMR burden  
**Mar:** Quadripartite alliance  
**Jul:** 3<sup>rd</sup> NF on AMR (Public hearing 2<sup>nd</sup> NAP-AMR)  
**Sep:** National guideline on an integrated surveillance on AMR under OH approach  
**Nov:** 2<sup>nd</sup> JEE for IHR





# THAILAND'S WORLD ANTIMICROBIAL AWARENESS WEEK 2021



นายอนุทิน ชาญวีรกูล  
รองนายกรัฐมนตรี และรัฐมนตรีว่าการกระทรวงสาธารณสุข

Deputy Prime Minister and  
Minister of Public Health



ดร.เดลิบชัย ศรีอ่อน  
รัฐมนตรีว่าการกระทรวงเกษตรและสหกรณ์

Minister of Agriculture and  
Cooperatives

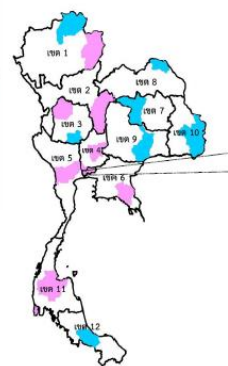


นายวราวุธ ศิลปอาชา  
รัฐมนตรีว่าการกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม

Minister of Natural Resources  
and Environment

## 1. Political support

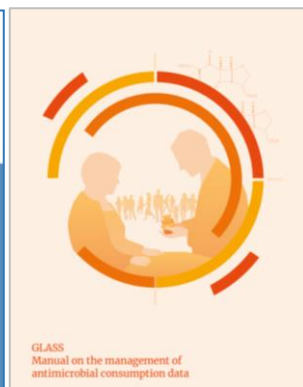
## 2. Evidence



- Ministry of Public Health
- Ministry of Agriculture and Cooperatives
- Ministry of Natural Resources and Environment



- Enrolled in 2017
- Report since 2018

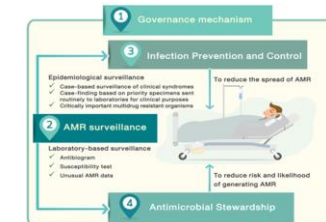


## 3. Strategic actions on AMS

### Antibiotic reclassification

Prioritization	Low social resistance	High social resistance
High impact on AMR	Phase I (Complete) <ul style="list-style-type: none"> <li>Antibiotics for injection</li> <li>Anti-tuberculosis drugs</li> </ul>	Phase II (on-going) <ul style="list-style-type: none"> <li>Oral antibiotics</li> </ul>
Low impact on AMR		Phase III <ul style="list-style-type: none"> <li>Antibiotics for external use</li> <li>Antibiotics for topical use</li> </ul>

### Acute care setting



### OPD/PCU pharmacy



### Medicated feed regulation



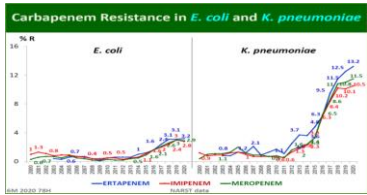
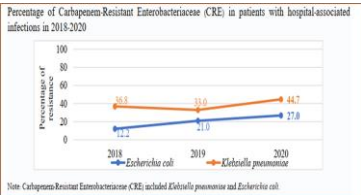
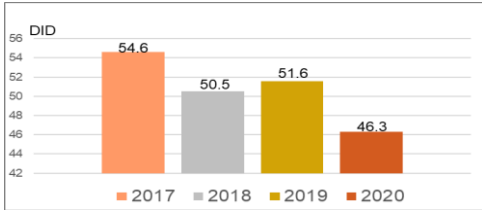
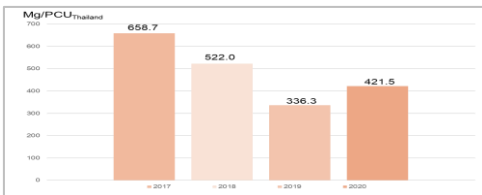
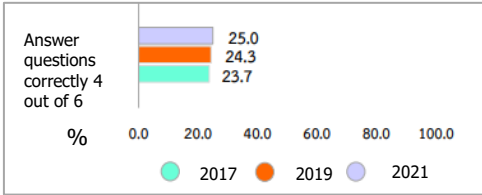
Prohibit  
the use of  
antibiotics  
as growth  
promoter

### Raised w/o antibiotic



## 4. National governance mechanism (& multi-sectoral AMR core team)



National goals		M&E platforms	Outcomes																			
1	50% reduction in AMR morbidity	NARST, GLASS, HAI-AMR surveillance	<ul style="list-style-type: none"><li>• Increase</li></ul>	<div><div><p>Carbapenem Resistance in <i>E. coli</i> and <i>K. pneumoniae</i></p></div><div><p>Percentage of Carbapenem-Resistant Enterobacteriaceae (CRE) in patients with hospital-associated infections in 2018-2020</p></div></div>																		
2	20% reduction in antimicrobial consumption in humans	Thailand-SAC	<ul style="list-style-type: none"><li>• Decrease by 15.2 % (2017-2020)</li><li>• Anti-bacterial drugs decrease by 24.8%.</li></ul>	<div><p>DID</p></div>																		
3	30% reduction in antimicrobial consumption in animals	Thailand-SAC	<ul style="list-style-type: none"><li>• Decrease by 36.0 % (2017-2020)</li></ul>	<div><p>Mg/PCU<sub>human</sub></p></div>																		
4	20% increase of public awareness on AMR and AMU	National health and welfare survey	<ul style="list-style-type: none"><li>• Increase by 1.3% (2017-2021)</li></ul>	<div><p>Answer questions correctly 4 out of 6</p></div>																		
5	Capacity of the national AMR management system is improved to level 4	JEE for IHR	<ul style="list-style-type: none"><li>• Increase from 3 to 4.2 out of 5 (2017-2022)</li></ul>	<div><table><tr><td>P.3.1 Antimicrobial resistance detection</td><td>4</td></tr><tr><td>P.3.2 Surveillance of infections caused by AMR pathogens</td><td>3</td></tr><tr><td>P.3.3 Healthcare-associated infection prevention and control program</td><td>3</td></tr><tr><td>P.3.4 Antimicrobial stewardship activities</td><td>2</td></tr></table><div></div><table><tr><td>P.4.1 Multisectoral coordination on AMR</td><td>5</td></tr><tr><td>P.4.2 Surveillance on AMR</td><td>4</td></tr><tr><td>P.4.3 Prevention of multidrug resistant organism (MDRO)</td><td>4</td></tr><tr><td>P.4.4 Optimize use of antimicrobial medicines in human health</td><td>4</td></tr><tr><td>P.4.5 Optimize use of antimicrobial medicines in animal health and agriculture</td><td>4</td></tr></table></div>	P.3.1 Antimicrobial resistance detection	4	P.3.2 Surveillance of infections caused by AMR pathogens	3	P.3.3 Healthcare-associated infection prevention and control program	3	P.3.4 Antimicrobial stewardship activities	2	P.4.1 Multisectoral coordination on AMR	5	P.4.2 Surveillance on AMR	4	P.4.3 Prevention of multidrug resistant organism (MDRO)	4	P.4.4 Optimize use of antimicrobial medicines in human health	4	P.4.5 Optimize use of antimicrobial medicines in animal health and agriculture	4
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