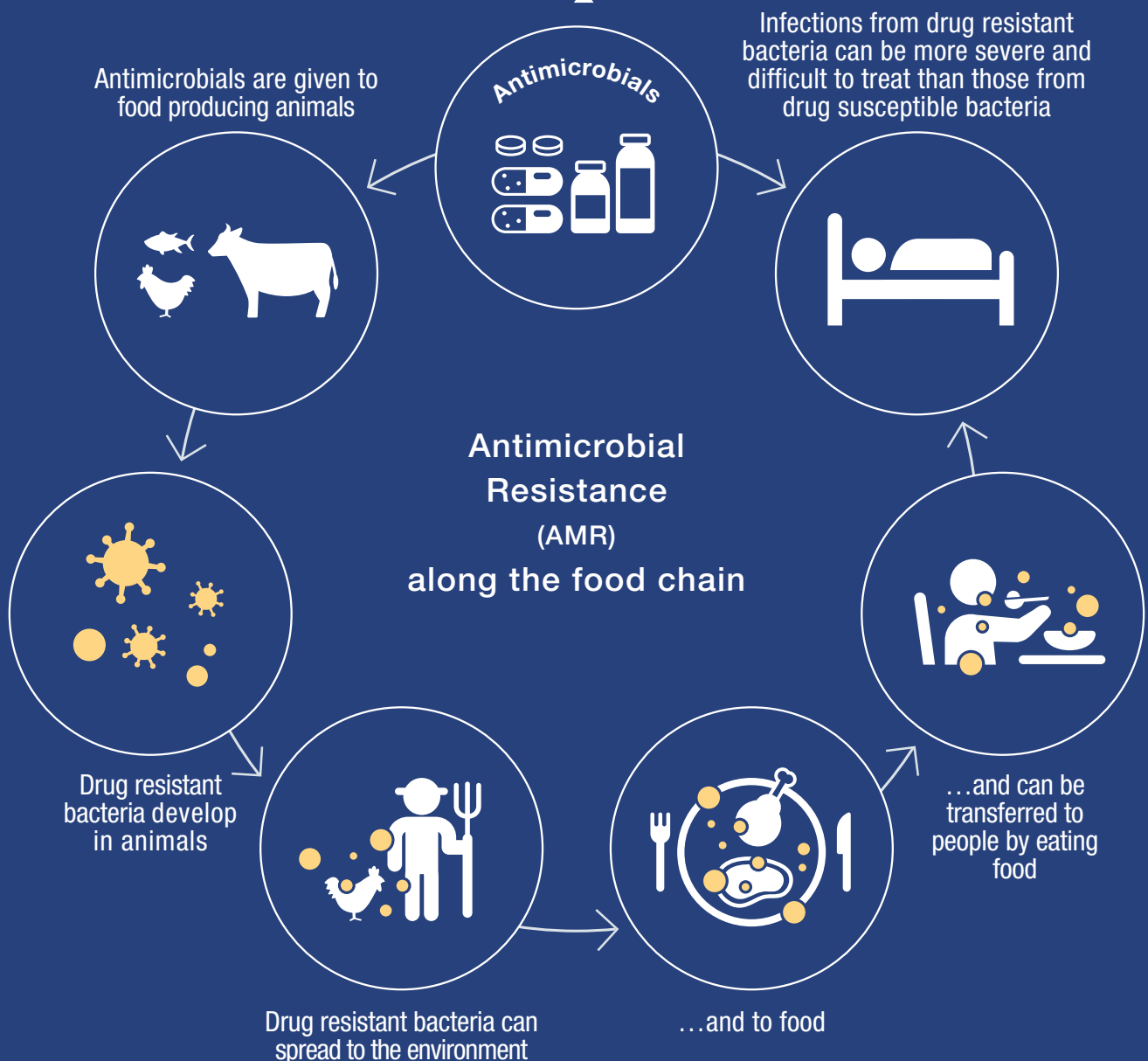
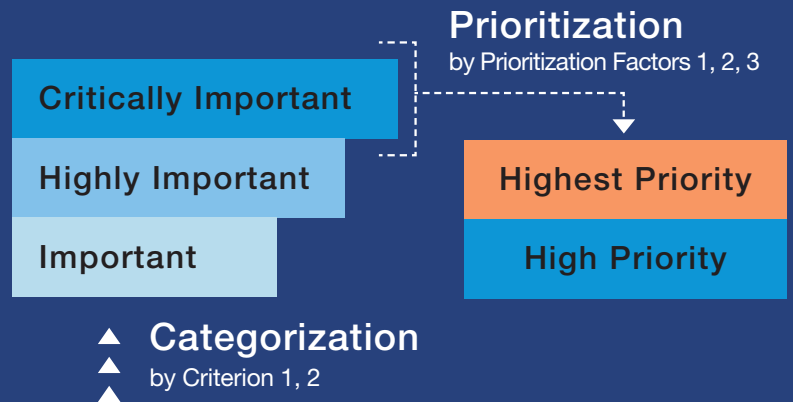


# WHO list of Critically Important Antimicrobials for Human Medicine (WHO CIA list)

WHO CIA list categorizes all antimicrobials used in human medicine into 3 groups based on their importance to human medicine. The current scope is limited to antibacterial drugs of which most are also used in veterinary medicine. The list assists in managing antimicrobial resistance, ensuring that all, especially critically important antimicrobials, are used prudently both in human and veterinary medicine.



**WHO supports optimization of the use of antimicrobial medicines in human and animal to preserve their effectiveness by taking a One Health approach**

# WHO Critically Important Antimicrobials for Human Medicine 6<sup>th</sup> revision

Advisory Group on Integrated Surveillance of Antimicrobial Resistance (AGISAR)

November 2018

Summary of categorization and prioritization of antimicrobials categorized as Critically Important, Highly Important and Important

	Antimicrobial class	Criterion / Prioritization factor (Yes = ●)				
		C1	C2	P1	P2	P3
Medically Important Antimicrobials	<b>CRITICALLY IMPORTANT ANTIMICROBIALS</b>					
	<i>HIGHEST PRIORITY</i>					
	<b>Highest Priority</b>	Cephalosporins (3 <sup>rd</sup> , 4 <sup>th</sup> and 5 <sup>th</sup> generation)	●	●	●	●
		Glycopeptides	●	●	●	●
		Macrolides and ketolides	●	●	●	●
		Polymyxins	●	●	●	●
		Quinolones	●	●	●	●
	<i>HIGH PRIORITY</i>					
	<b>Critically Important</b>	Aminoglycosides	●	●	●	●
		Ansamycins	●	●	●	●
		Carbapenems and other penems	●	●	●	●
		Glycylcyclines	●	●	●	●
		Lipopeptides	●	●	●	●
		Monobactams	●	●	●	●
		Oxazolidinones	●	●	●	●
		Penicillins (antipseudomonal)	●	●	●	●
		Penicillins (aminopenicillins)	●	●	●	●
		Penicillins (aminopenicillins with $\beta$ -lactamase inhibitors)	●	●	●	●
		Phosphonic acid derivatives	●	●	●	●
		Drugs used solely to treat tuberculosis / mycobacterial diseases	●	●	●	●
	<b>Highly Important</b>	<b>HIGHLY IMPORTANT ANTIMICROBIALS</b>				
		Amphenicols	●	●	●	●
		Cephalosporins (1 <sup>st</sup> and 2 <sup>nd</sup> generation) and cephamycins	●	●	●	●
		Lincosamides	●	●	●	●
		Penicillins (amidinopenicillins)	●	●	●	●
		Penicillins (anti-staphylococcal)	●	●	●	●
		Penicillins (narrow spectrum)	●	●	●	●
		Pseudomonic acids	●	●	●	●
		Riminoferazines	●	●	●	●
		Steroid antibacterials	●	●	●	●
		Streptogramins	●	●	●	●
		Sulfonamides, dihydrofolate reductase inhibitors and combinations	●	●	●	●
		Sulfones	●	●	●	●
		Tetracyclines	●	●	●	●
	<b>Important</b>	<b>IMPORTANT ANTIMICROBIALS</b>				
		Aminocyclitols	●	●	●	●
		Cyclic polypeptides	●	●	●	●
		Nitrofurans derivatives	●	●	●	●
		Nitroimidazoles	●	●	●	●
		Pleuromutilins	●	●	●	●

**C1** Criterion 1

The antimicrobial class is the sole, or one of limited available therapies, to treat serious bacterial infections in people.

**C2** Criterion 2

The antimicrobial class is used to treat infections in people caused by either: (1) bacteria that may be transmitted to humans from nonhuman sources, or (2) bacteria that may acquire resistance genes from nonhuman sources.

**P1** Prioritization factor 1

Large number of people in the community or in certain high-risk populations (e.g. patients with serious infections in health care settings), who are affected by diseases for which there are very limited antimicrobial choices.

**P2** Prioritization factor 2

High frequency of use of the antimicrobial class for any indication in human medicine or in certain high-risk groups (e.g. patients with serious infections in health care settings), since use may favour selection of resistance.

**P3** Prioritization factor 3

The antimicrobial class is used to treat infections in people for which there is already extensive evidence of transmission of resistant bacteria (e.g. non-typhoidal *Salmonella* spp. and *Campylobacter* spp.) or resistance genes (high for *E. coli* and *Enterococcus* spp.) from non-human sources.



# 我们的产品



## 大数据平台

国内宏观经济数据库

国际经济合作数据库

行业分析数据库

## 条约法规平台

国际条约数据库

国外法规数据库

## 即时信息平台

新闻媒体即时分析

社交媒体即时分析

## 云报告平台

国内研究报告

国际研究报告

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_25127](https://www.yunbaogao.cn/report/index/report?reportId=5_25127)

