

***A reporter's
perspective***

ANTIBIOTIC USE IN ANIMALS

Jason Gale

Senior editor

Bloomberg News, Melbourne

j.gale@bloomberg.net



@jwgale



by Bloomberg

What she SAW



FARM CODE :			
Despatcher Name :			
Sl. No	Item Name	Packing	Issued Qty.
	GENTA	5 NOS	
	IRH Killed	3 NOS	

MEDICINE		
Particulars	Kgm	Lit.
Neo-Doxy-Ent	250.9g	
Colgro Phos	1.14g	
BVClog	2.14g	
gento-1h	2.14g	
Gentamicin	1.14g	
PHI TOC-PIW	2.14g	
oxy-pw-PIW	2.14g	
EnCiprox P	1.14g	
Kharguier-1h	3.14g	
Sanitizer & Cleaning		
Particulars	Kgm	Lit.
Enzo FLOX	250.9g	
Chloroxcin	250.9g	
Chloroxcin		

- ✓ Gentamicin
- ✓ 3 Fluoroquinolones
- ✓ Colistin
- ✓ Neomycin
- ✓ Doxycycline
- ✓ Tylosin
- ?Withdrawal period

Drug Binge

China consumes half the world's antibiotics, with the majority administered to animals



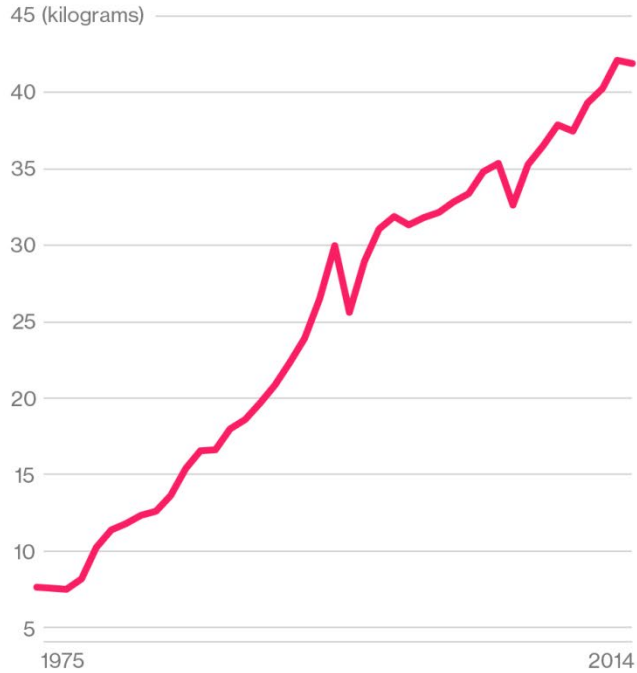
Antibiotics consumed (metric tons) in 2013

Source: Ying Guang-Guo et al in Environmental Science & Technology, May 2015

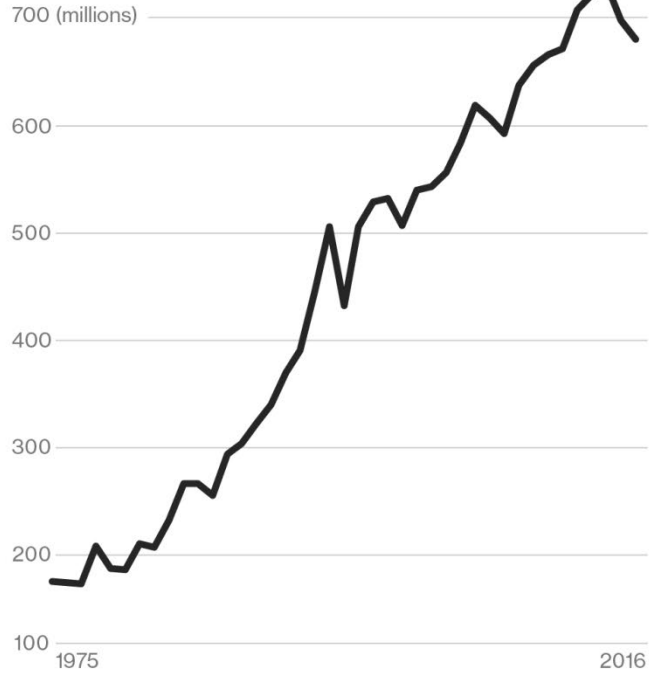
Pig Run

Swine output has surged to feed pork-hungry China

Per-capita Pork Consumption



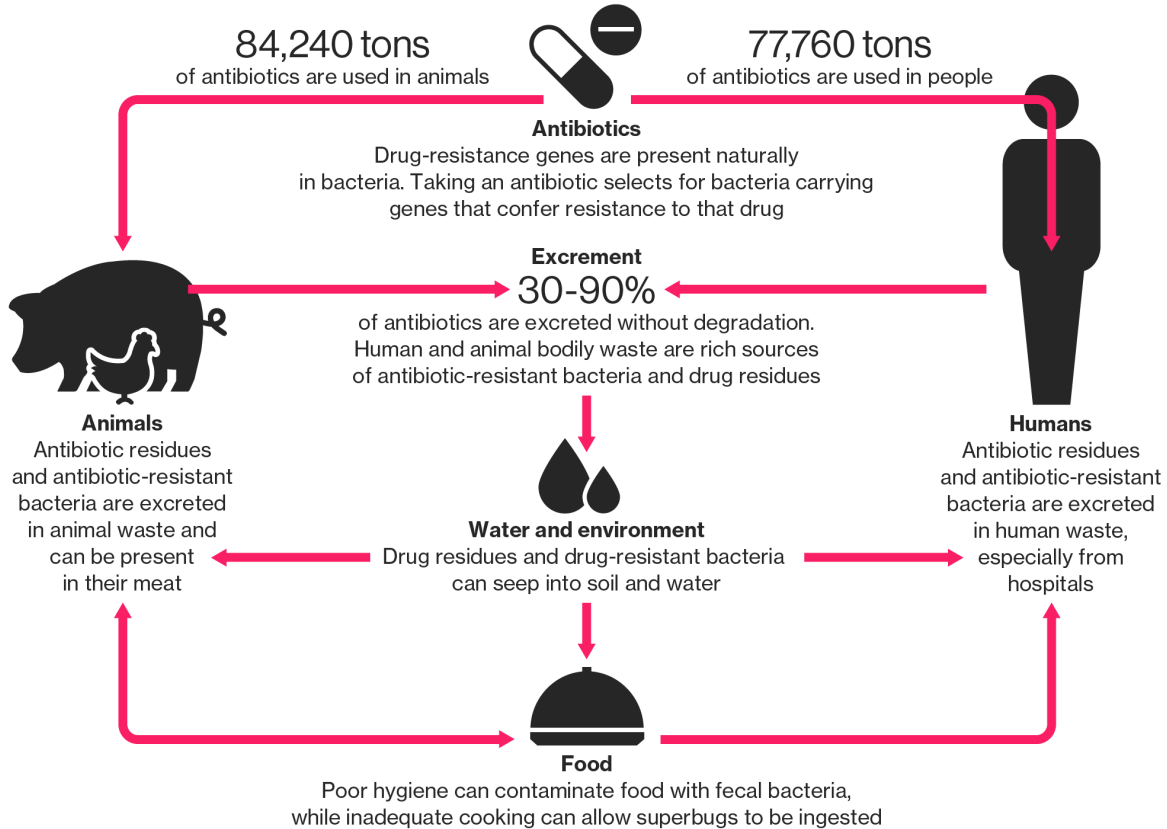
Number of Pigs Produced



Source: Bloomberg data

Circulating Superbugs

How antibiotic use selects and amplifies drug-resistant bacteria in China



Source: Ajit K. Sarmah et al in Chemosphere, October 2006
Ying Guang-Guo et al in Environmental Science & Technology, May 2015

Bloomberg 

by Bloomberg

To view the video please use this link of the archived webcast: <https://youtu.be/5o7dVLXdvWk?t=13m40s>

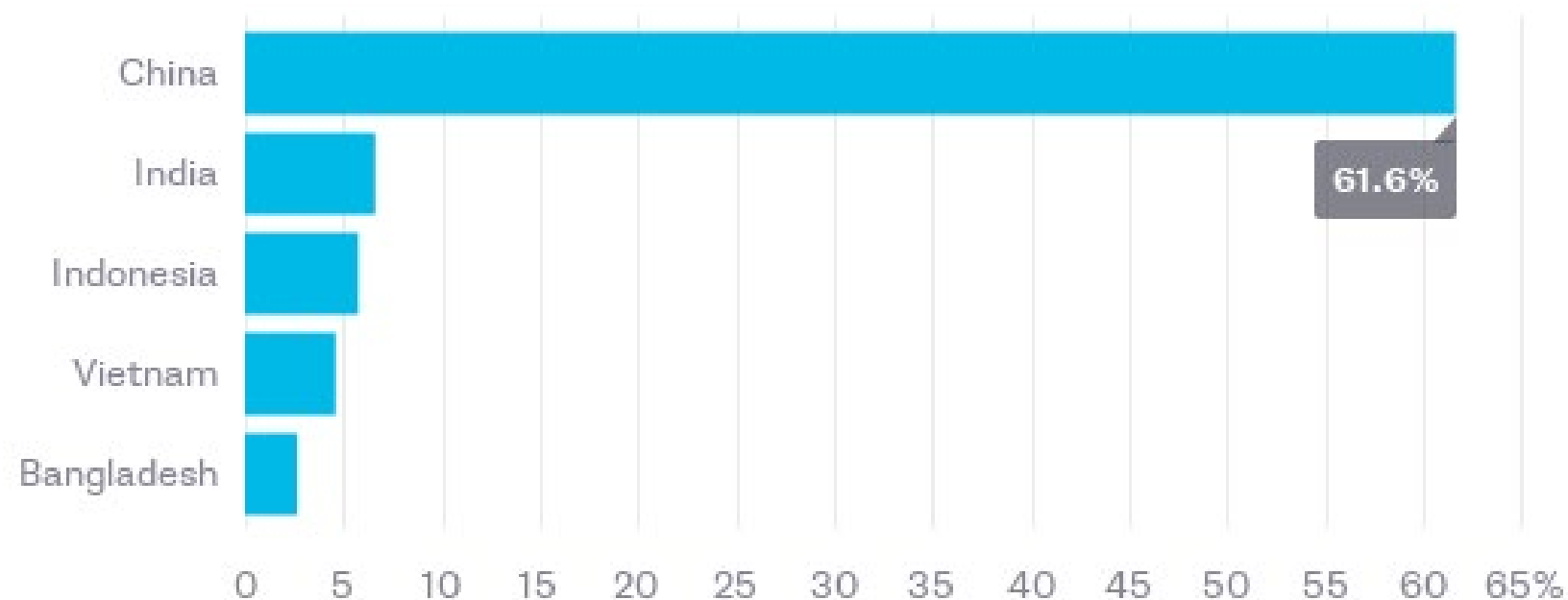


- Benzylpenicillin
- Gentamicin
- Neomycin
- Streptomycin
- Sarafloxacin
- Ofloxacin
- Amoxicillin
- Sulfamonomethoxine
- Ceftiofur
- Colistin
- Bacitracin
- Chlorotetracycline



Where the Fish Are Farmed

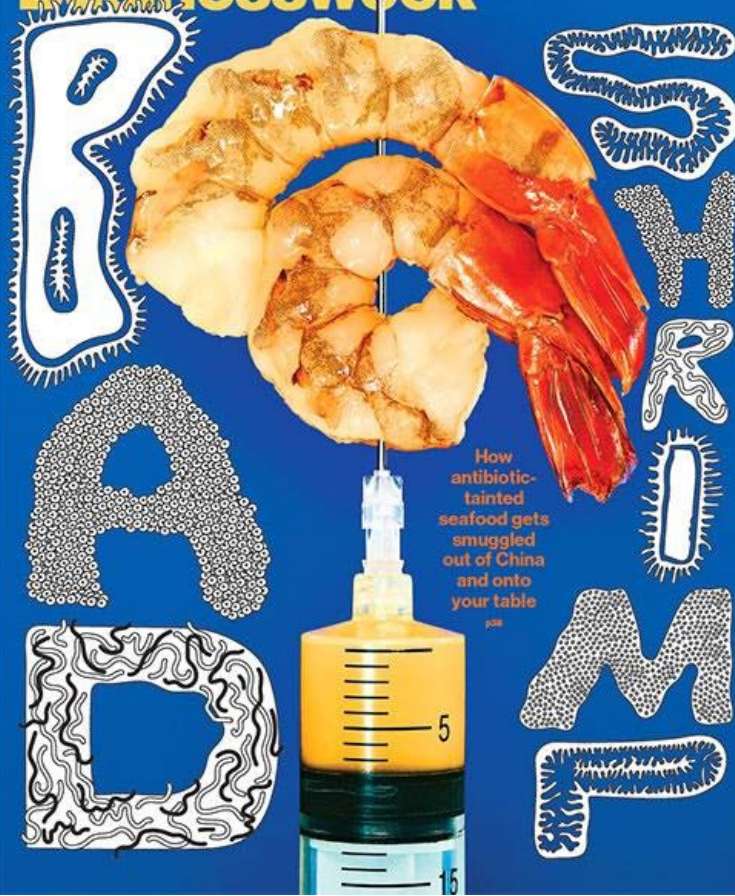
Share of world aquaculture production, 2014



Source: UN Food and Agriculture Organization

BloombergView

Bloomberg Businessweek



How antibiotic-tainted seafood gets smuggled out of China and onto your table
108

Smells **FISHY**



by Bloomberg

Thank you

j.gale@bloomberg.net



@jwgale