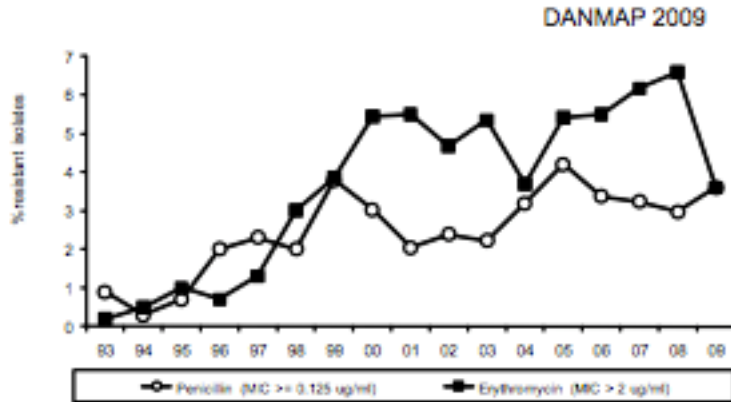
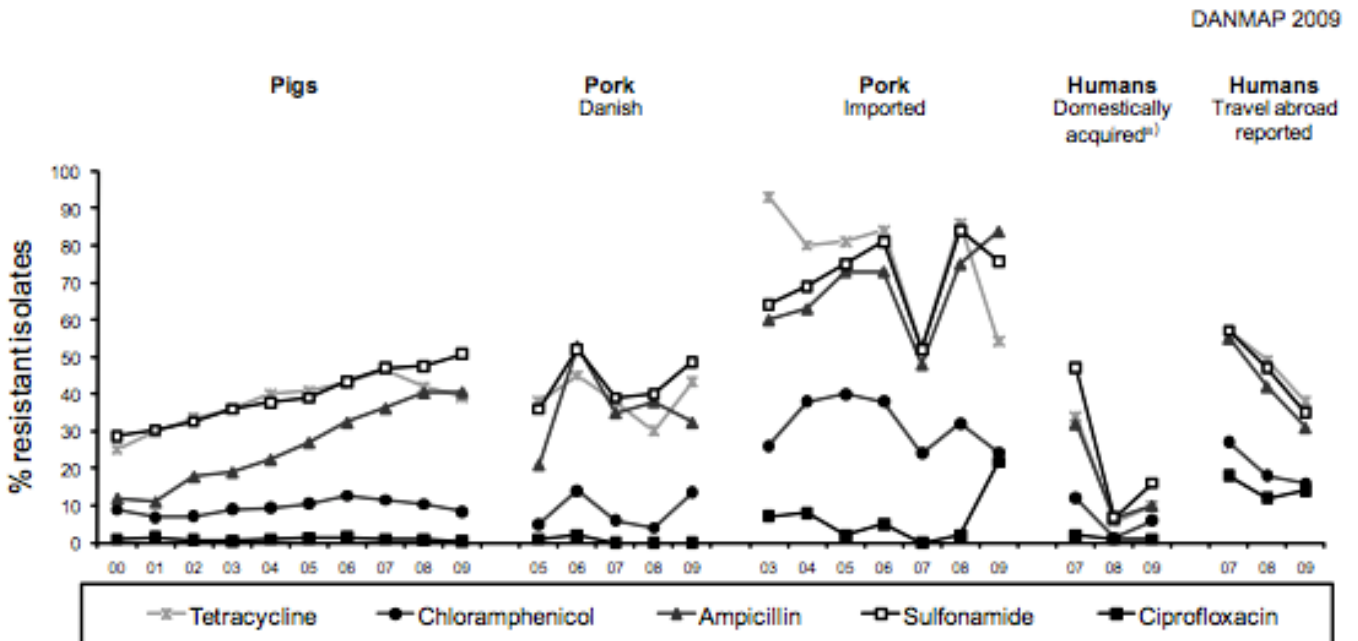


Figure 4: Counterexamples: For some drug-pathogen combinations, antibiotic resistance in humans (top) and pigs (bottom left) has increased since the Danish ban on growth-promoting antibiotics took effect.



Resistance (percent) to penicillin and macrolides in *Streptococcus pneumoniae* blood and spinal fluid isolates from humans, Denmark (DANMAP 2009 page 82)



Trends in resistance to selected antimicrobial agents among *Salmonella Typhimurium* isolated from pigs, pork and from human cases, Denmark (DANMAP 2009 page 62)