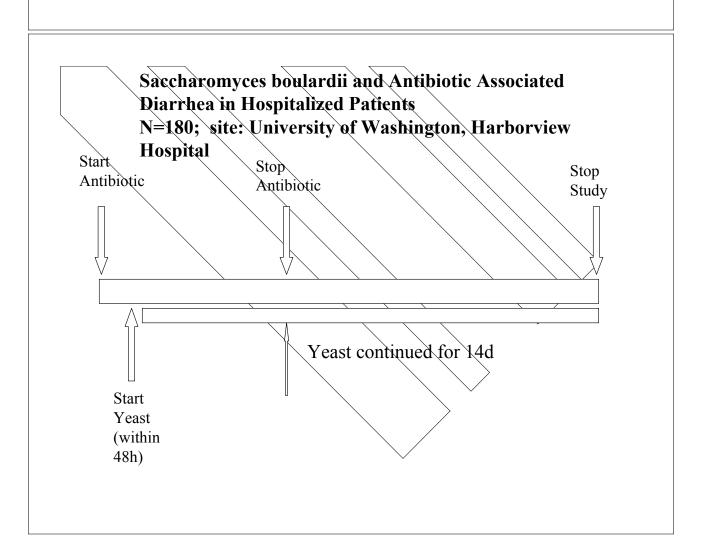
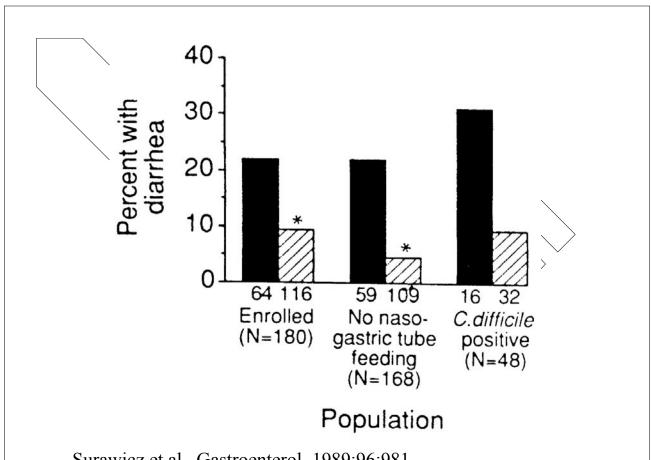
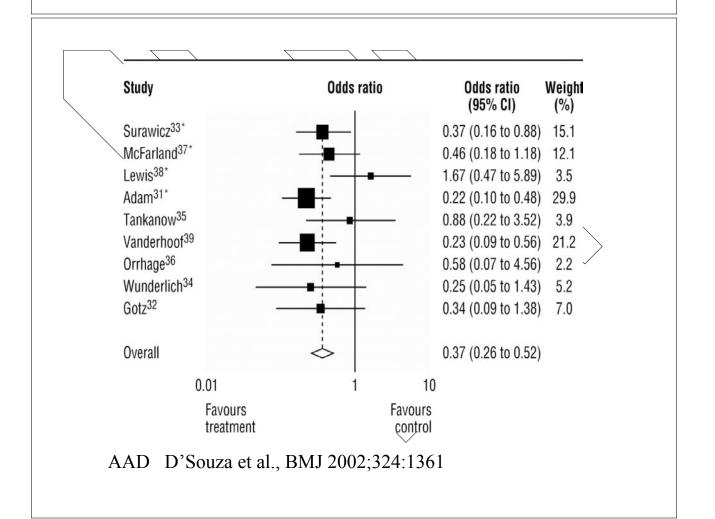
Antimicrobials and risks for antibiotic-associated diarrhea (AAD)

- •Antibiotic-associated diarrhea
 - •5-30% risk
 - •Higher with multiple IV drugs
 - •Higher with broad spectrum antimicrobials
 - Higher with pediatric patients
 - •High with oral beta lactams
 - •Clostridium difficile may be involved
 - •Big reason for lack of compliance with therapy
 - •Big reason for need to switch and to increase patient





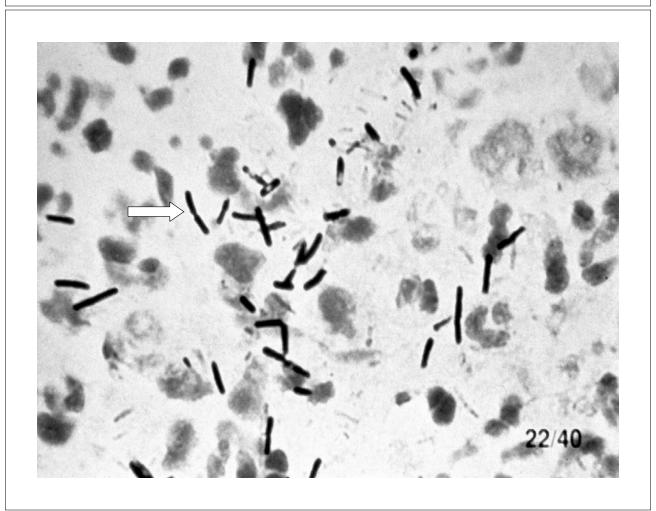
Surawicz et al., Gastroenterol. 1989;96:981



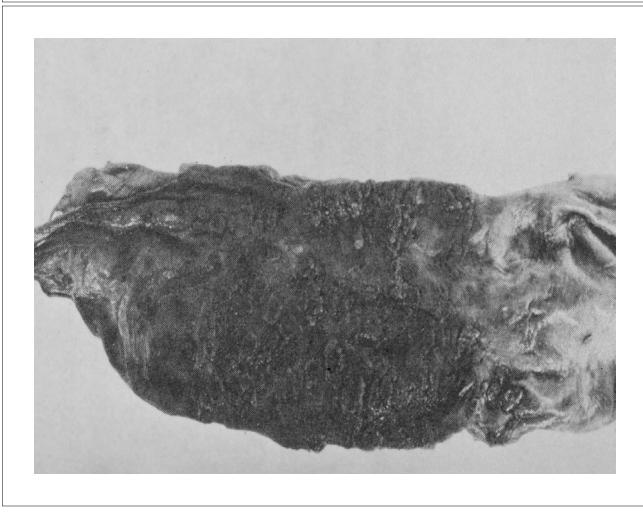
Clostridium difficile disease (pseudomembranous colitis)(CDB)

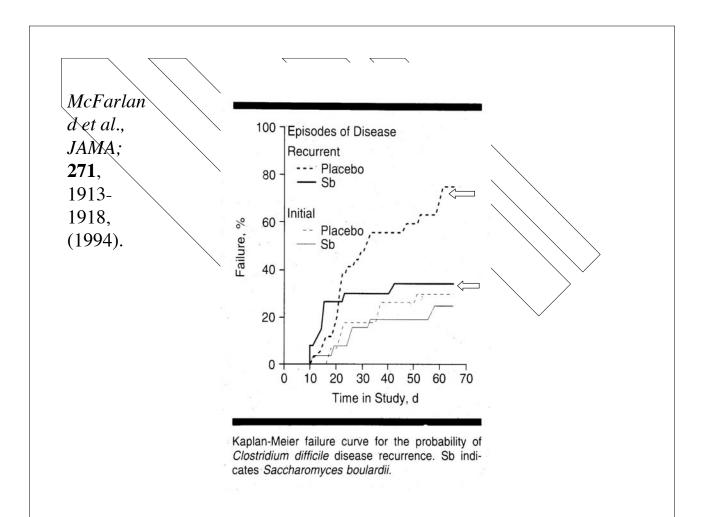
is a spore former anaerobe resistant to most antimicrobials

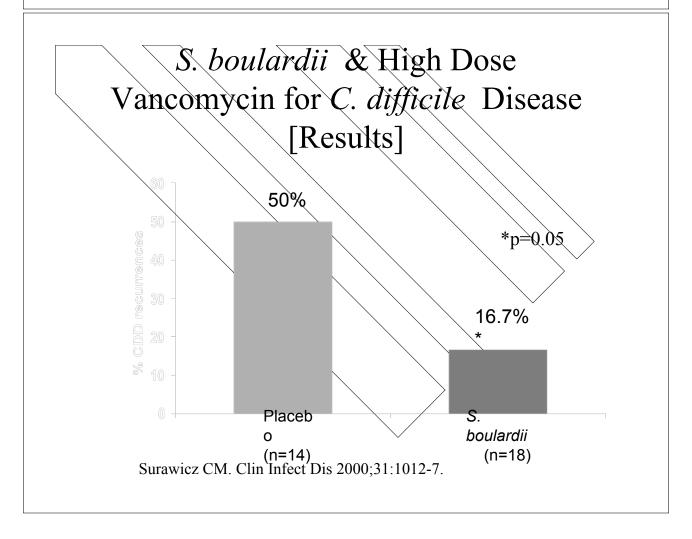
- •is held in check by the normal flora but can overgrow if flora is perturbed
- •any antimicrobial can initiate overgrowth; stomach acid suppression therapy can increase risk
- •C. difficle makes two toxins which cause diarrhea to colitis to pseudomembranous colitis to toxic megacolon to death
- •Can be treated with metronidazole (250mg QID) or vancomycin PO (125mg QID or 500mg QID) but relapse rate is ~20%
- •Patients who relapse can have recalcitrant disease with ~50% relapse rate
- •Probiotics can decrease rate of relapse but only Sacccharomyces boulardii has been tested and shown to help

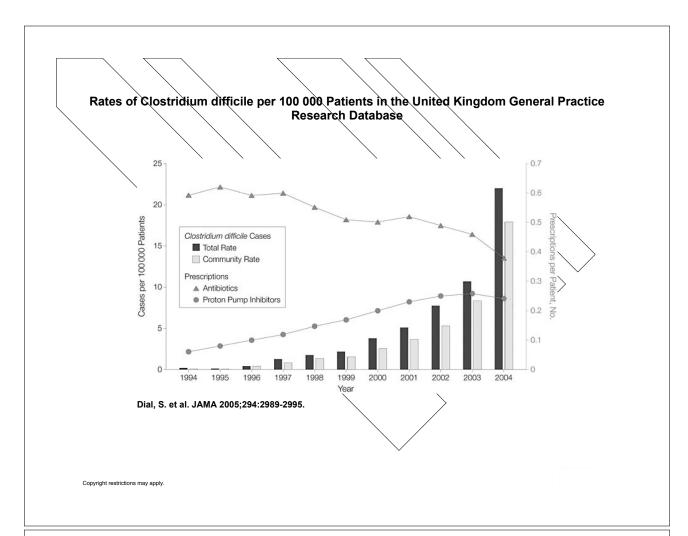
















Lactobacillus rhamnosus GG Dietary Supplement: Culturelle



Saccharomyces boulardii Dietary Supplement: Florastor



