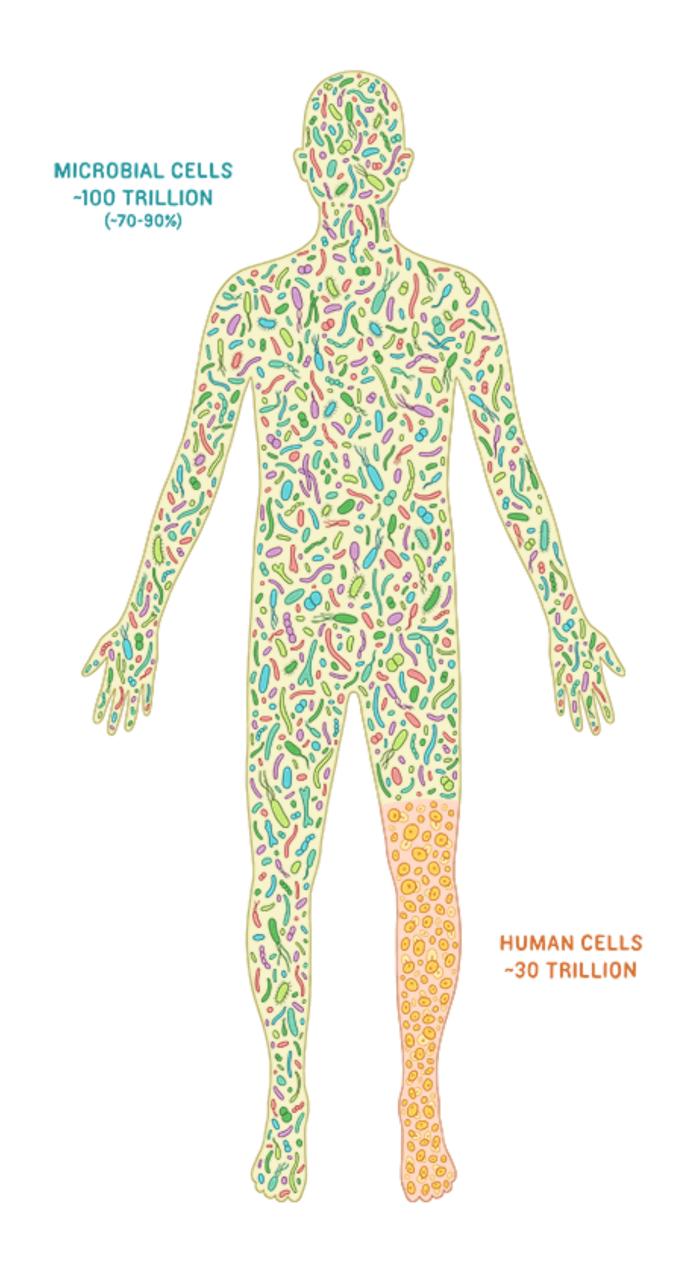
Human Microbiome

- Average adult human gut flora [1]
 - 10¹³-10¹⁴ total microbes
 - > 100 species
- Perform commensal functions
 - Maturation and regulation of immune system (esp. gut)
 - Breakdown otherwise indigestible compounds
 - Inhibition of pathogen binding to epithelium



Microbiome Development

- Develops ~ 20 minutes after birth
 [1]
- Depends on mode of delivery [1]
 - Vaginal → resembles birthing parent's vaginal flora
 - C-section → resembles birthing parent's skin flora
- Gut microbiome begins to resemble that of adult in ~ 1-3 years [1]

