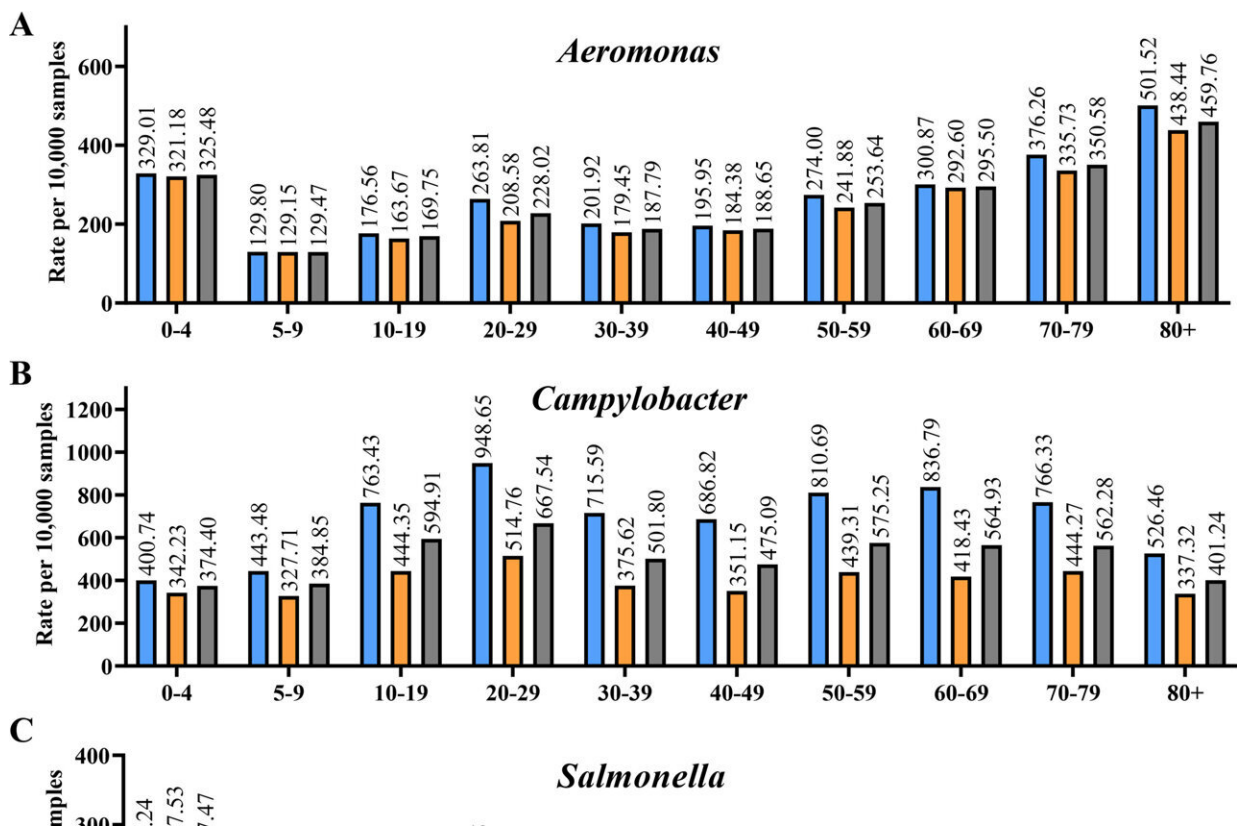


# Scientists identify common cause of gastroenteritis in young children and adults over age 50

June 29 2023, by Lilly Matson



Quantitative real-time PCR detection of *Aeromonas*, *Campylobacter*, *Salmonella*, *Shigella/EIEC*, and *Yersinia* species in different age groups, from 0 to 80+ years. The bacterial pathogens were detected in 341,330 fecal samples from patients with gastroenteritis. The detection rates are presented as the number of positive results per 10,000 samples. (A) Three peaks of *Aeromonas* enteric infections were observed, in patients aged 0 to 4 years, 20 to 29 years,

and over 50 years old. (B) Positive Campylobacter results peaked in young adults aged 20 to 29 years. (C) Detection rates for Salmonella species peaked in young children aged 0 to 4 years. (D and E) Detection rates for Shigella/EIEC (D) and Yersinia (E) species were found to peak in young adults aged 20 to 29 years. A positive association between the detection rate and patient age was observed for Aeromonas, Campylobacter, and Yersinia (P

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