Diarrhea in Immunocompromised Hosts

**HIV POSITIVE OR PRIMARY IMMUNODEFICIENCY**

- Parasite panel by PCR (should include *Giardia lamblia/intestinalis/duodenalis*; *Cryptosporidium*; *Cyclospora cayetanensis*; *Dientamoeba fragilis*; *Entamoeba histolytica*; and *Microsporidia*)
  - OR
  - Viral panel by PCR OR viral testing (should consider norovirus*, sapovirus, astrovirus, adenovirus 40/41, and rotavirus)
    - OR
    - Bacterial stool culture
    - OR
    - Stool bacterial PCR panel (eg, multiplex panel that includes at least *Salmonella*, *Shigella*, Shiga toxin [STEC], and *Campylobacter* testing)
  - AND
  - *C. difficile* testing

*Most common pathogen

**SOLID OR HEMATOPOIETIC TRANSPLANT**

- Parasite testing (Microsporidia by PCR)
  - AND
  - Viral panel by PCR OR viral testing (should consider norovirus*, sapovirus, astrovirus, adenovirus 40/41, and rotavirus)
    - AND
    - Consider parasite panel by PCR (should include *Giardia lamblia/intestinalis/duodenalis*; *Cryptosporidium*; *Cyclospora cayetanensis*; *Dientamoeba fragilis*; *Entamoeba histolytica*; and *Microsporidia*) if patient has unusual risks/exposures documented

*Most common pathogen