



Guidelines for Treatment of Shigellosis and Public Health Follow Up for Daycare Return

Local Health Districts:

- Adams County
(937) 544-5547
- Brown County
(937) 378-6892
- Butler County
(513) 863-1770
- Cincinnati City
(513) 357-7280
- Clermont County
(513) 732-7499
- Clinton County
(937) 382-3829
- Hamilton County
(513) 946-7800
- Hamilton City
(513) 785-7080
- Highland County
(937) 393-1941
- Middletown City
(513) 425-1818
- Norwood City
(513) 458-4600
- Sharonville City
(513) 563-1722
- Springdale City
(513) 346-5725
- Warren County
(513) 695-1220

On June 8, 2011 the Ohio Department of Health reported there were eighty-seven Shigellosis cases reported in the state since the first of the year thru June 4. Fifty- nine percent (51/87) of the Shigellosis cases reported were from Hamilton County. Twenty percent (18/87) of the cases in Hamilton County were reported since the first week in May to June 4, 2011. These cases have been associated with children under 5 years of age attending a daycare.

The Southwest Ohio Public Health recommends children with diarrhea have a stool culture performed for early recognition of the Shigellosis disease. Children diagnosed with Shigellosis are excluded from daycare until they have completed their treatment and obtain the necessary follow up stool cultures.

Treatment for Shigellosis	Two Negative Follow Up Stool Cultures Required by Ohio Law to return to a Daycare.
TMP/SMX 10 mg/kg/day (based on TMP) orally in 2 divided doses x 5 days.	Obtain two stool cultures 48 hours after last dose of antibiotic taken 24 hours apart.
Azithromycin 10mg/kg/day orally one day 1, followed by 5 mg/kg/day for 4 additional days.	Obtain two stool cultures 96* hours after last dose of antibiotic taken 24 hours apart. *This antibiotic requires four days between the last dose and follow up stool culture.
Ceftriaxone 50mg/kg/day as single daily IM dose for 5 days	Obtain two stool cultures 48 hours after last dose of antibiotic taken 24 hours apart.
Cefixime 8 mg/kg/day as a single daily oral dose for 5 days (Failure rates of up to 50% have been reported with cefixime).	Obtain two stool cultures 48 hours after last dose of antibiotic taken 24 hours apart.
Ciprofloxacin 20 mg/kg/day in 2 divided oral doses daily for 5 days.	Obtain two stool cultures 48 hours after last dose of antibiotic taken 24 hours apart.
*Ampicillin 25 mg/Kg QID for 5 days (up to 500 mg QID): use only in ampicillin sensitive cases.	Obtain two stool cultures 48 hours after last dose of antibiotic taken 24 hours apart.
*Amoxicillin should not be used for treatment of shigellosis.	

Since January 1, 2011 to the present the Cincinnati Children’s Hospital Medical Center Microbiology Unit has isolated 55 shigella species. The antibiotic susceptibilities are Ampicillin = 33% (18/55), Ceftriaxone = 96% (53/55), Ciprofloxacin = 100% (55/55), and SXT = 69% (38/55).

Please contact your local public health department or CCHMC Infection Control Program if you have any questions about children being released back to the daycare. The Public Health Infectious Disease Call Center number for weekends, holidays, and after hours is 877-774-4636.