Epidemiology Update: Fungal Infections Associated with Contaminated ProductNovember 19, 2012

The information and analyses in this update report are preliminary and subject to change.

- 50 cases (including 2 fatal cases) meet meningitis (n=48) or osteomyelitis/epidural abscess (n=2) case definition. Nineteen (38%) are lab-confirmed cases with detectable *Exserohilum* (n=17), *Cladosporium* (n=2), and *Penicillium* species (n=1); one patient had two different fungi detected.
- 680 persons are believed to have been exposed in Virginia since June 1, 2012 to 1 of 3 recalled methylprednisolone acetate (MPA) lots produced by the New England Compounding Center.

Table 1. Attack Rates by Lot of Methylprednisolone Acetate

Lot	Total	Cases	Attack Rate Overall	Attack Rate Epidural Only
06292012	273	35	13%	14%
06292012 with other lot	89	12	13%	14%
05212012 only	276	2	1%	1%
08102012 only	35	0	0%	0%
05212012 + 08102012	6	1	17%	17%
05212012 with other lot	1	0	0%	0%
Total	680	50	7%	8%

- Description of 50 cases:
 - o Forty-seven (94%) cases are in VA residents and 3 (6%) are in WV residents.
 - 26 (52%) are female. The median age at the time of first exposure is 64 years (15 92 years).
 - All have been or are currently hospitalized. Five (10%) were admitted to an ICU, five (10%) had a stroke reported and two (4%) died.
 - The range of onset dates is July 30, 2012 October 18, 2012 (see Figure 1)

Table 2. Clinical Information by Case Status

	Lab-confirmed Cases (n=19)	Probable Cases (n=31)	All Cases (n=50)
Headache	16 (84%)	29 (94%)	45 (90%)
Neck stiffness	12 (63%)	16 (52%)	28 (56%)
Fever	13 (68%)	13 (41%)	26 (52%)
Photophobia	6 (32%)	3 (10%)	9 (18%)
Median incubation period (range)	19 (1–32)	20 (4–48)	20 (1–48)
Median adjusted WBC per mm ³ (range)*	1,825 (0–6,530)	545 (0–9,080)	664 (0-9,080)
Median glucose (range), mg/dL	46 (15–68)	48 (36–87)	48 (15–87)
Median protein (range), mg/dL	89 (45–108)	99 (38–164)	93 (38–164)
Median # Days from Last Injection to First Positive LP (>5 adjusted leukocytes per mm³)*	30 (6–52)	30 (11–88)	30 (6–88)

^{*}Leukocyte counts were adjusted for presence of red blood cells by subtracting 1 keukocyte per 500 red blood cells present *7 case-patients with meningitis had initial LP with ≤5 corrected wbc per mm³; both case-patients with epidural abscesses had one or more LP with ≤5 corrected wbc per mm³.

