

Christopher Wetherill
TBMH 5054
72-hour Response Plan: Q fever

We know:

1. There have been unexplained abortions among domestic ruminants in the village and that aborted fetuses may have been consumed
2. There is grazing overlap between wild goats and buffalo and domestic cattle; there have been numerous unexplained buffalo deaths and spontaneous abortions
3. Buffalo additionally live and graze upstream of the village
4. Many of the known cases have occurred in the dry season in absence of obvious other vectors (e.g., mosquitoes)

How we respond:

1. Promote use only of pasteurized milk products
2. Boil water before use
3. Emphasize appropriate disposal of aborted ruminant fetuses
4. Cull known affected domestic ruminant populations (maybe not, given potential reintroduction from buffalo?)
5. Promote pit latrine use with appropriate netting to limit fly spread
6. Treat any symptomatic individual immediately with doxycycline
7. Wait out the disease! (*C. burnetii* is cleared by the host and long-term immunity is developed against the pathogen.)