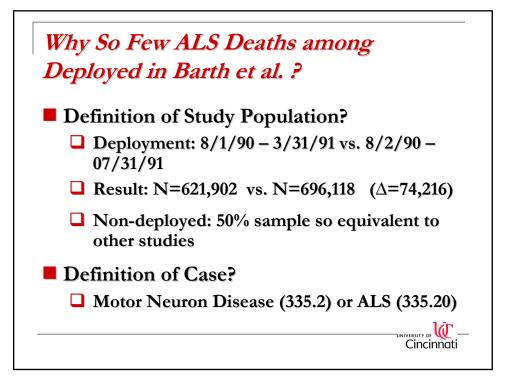
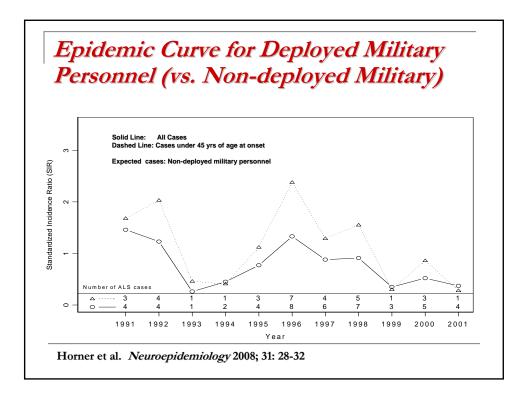
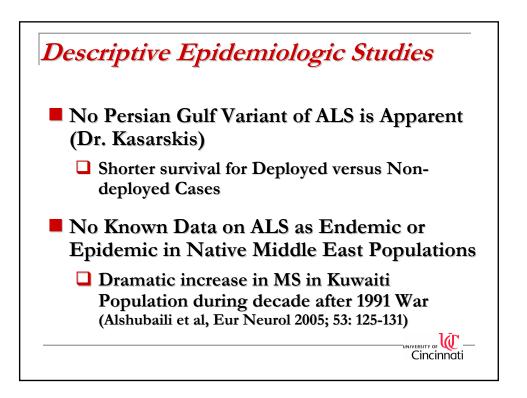


Reports on Occurrence of ALS among
1991 Gulf War Military Personnel

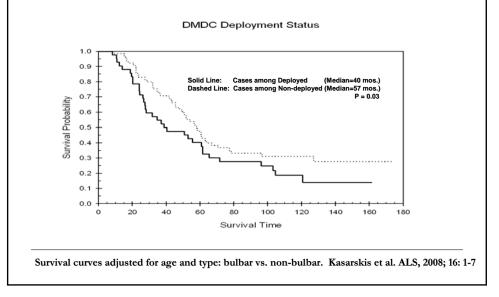
Study	Case Ascertainment	Number of ALS Cases: Deployed Non-deployed		Risk Ratio (95% CI)
	Time Period			
Smith, 2000	1991 - 1997	6	12	1.66 (0.62, 4.44)
Horner, 2003	1990 - 2000	40	67	1.92 (1.29, 2.84)
Coffman, 2005	1990 - 2000	42*	76*	1.77 (1.21,)
Horner, 2008 Update	1991 - 2001	48	76	1.90 (1.34, 2.69)
Barth, 2009	1991 - 2004	23	38**	0.96 (0.56, 1.62)

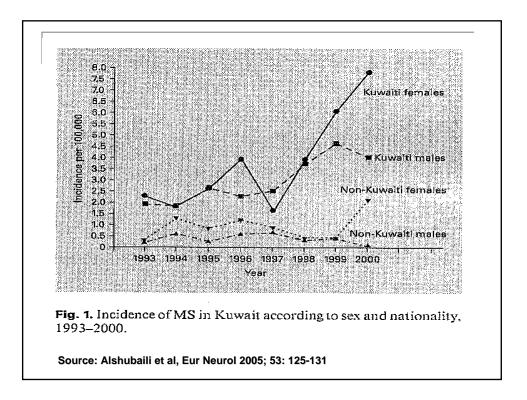


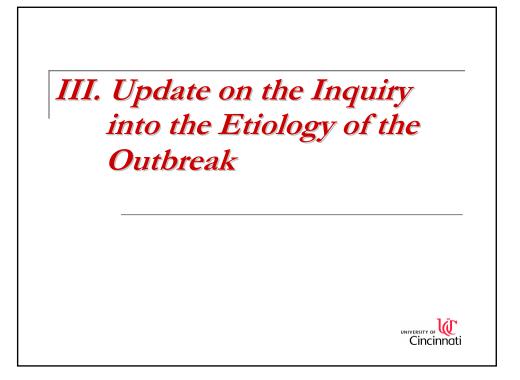


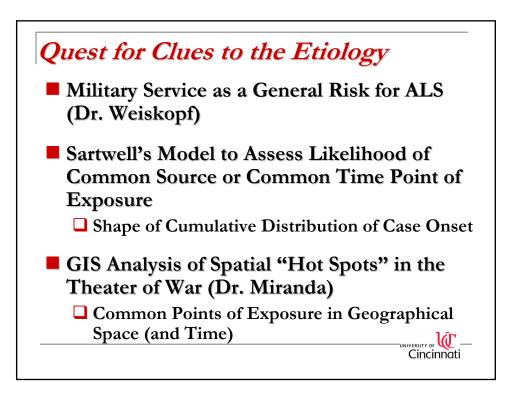


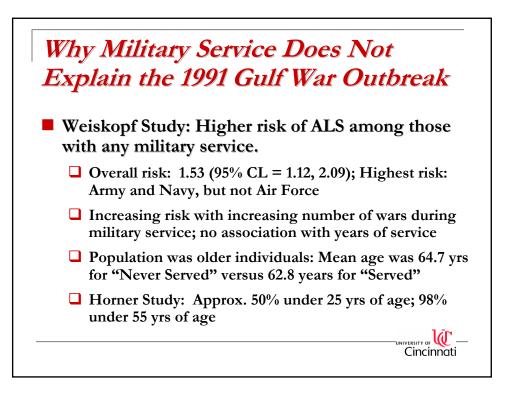
## Survival of ALS Cases by Deployment Status: A Distinguishing Characteristic

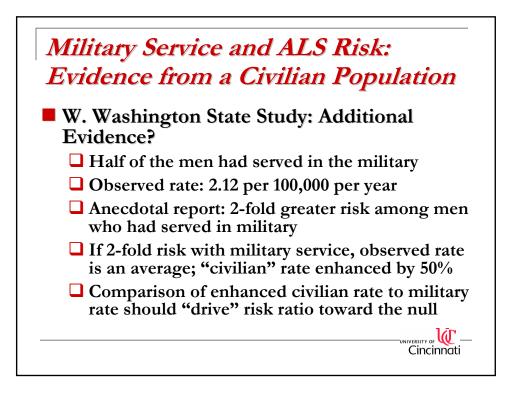


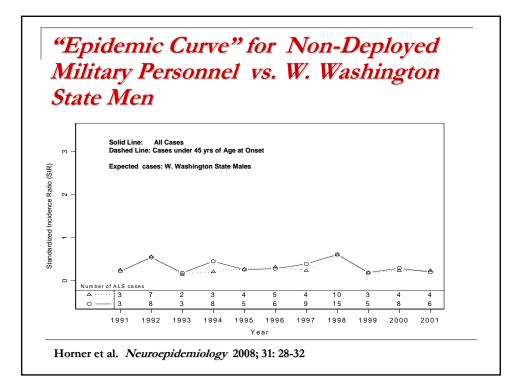


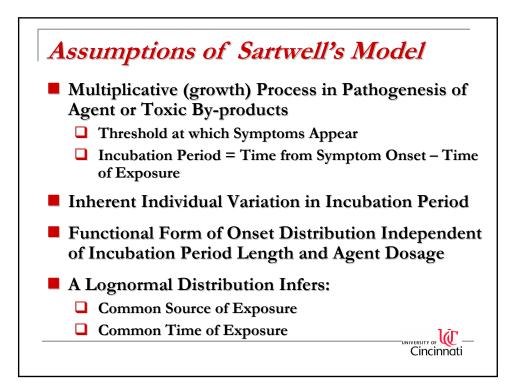


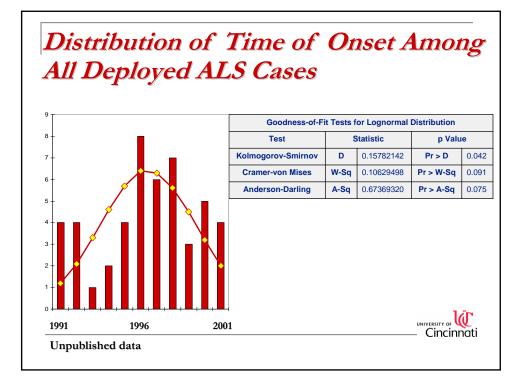


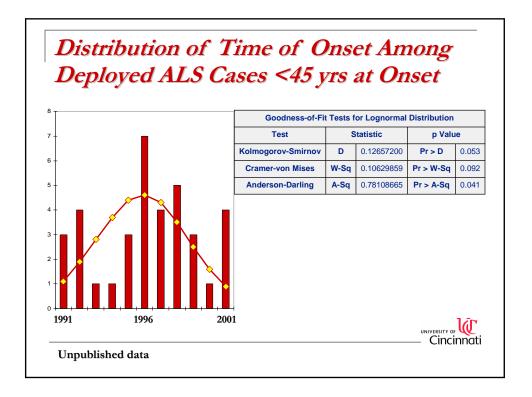


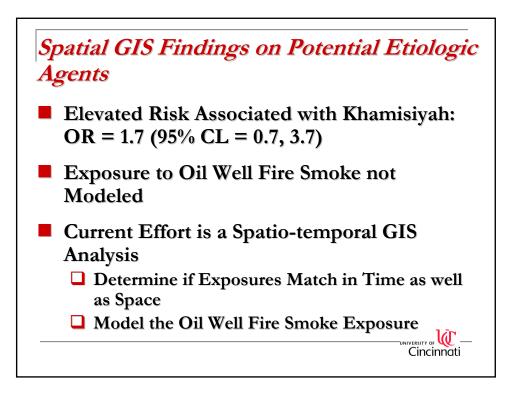


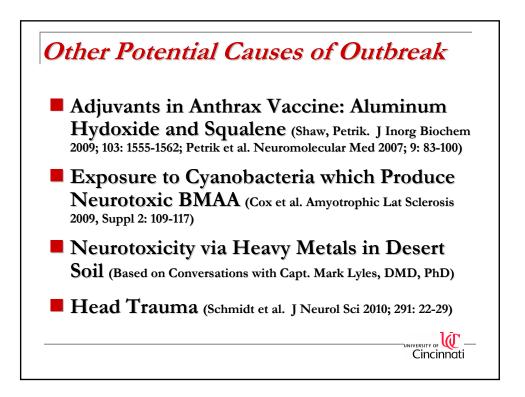












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- Murine Model: Adjuvants Injected at Doses Equivalent to Those Received by US Military
- Progressive Decrease in Strength (~50% of strength of controls) via "hang time" Test
- Cognitive Deficits: 4.3 errors per trial vs. 0.2 errors in Water Maze
- 35% Loss of Motor Neuron and 350% Increase in Astrocytes in Spinal Cord

Petrik et al. Neuromolecular Med 2007; 9: 83-100

