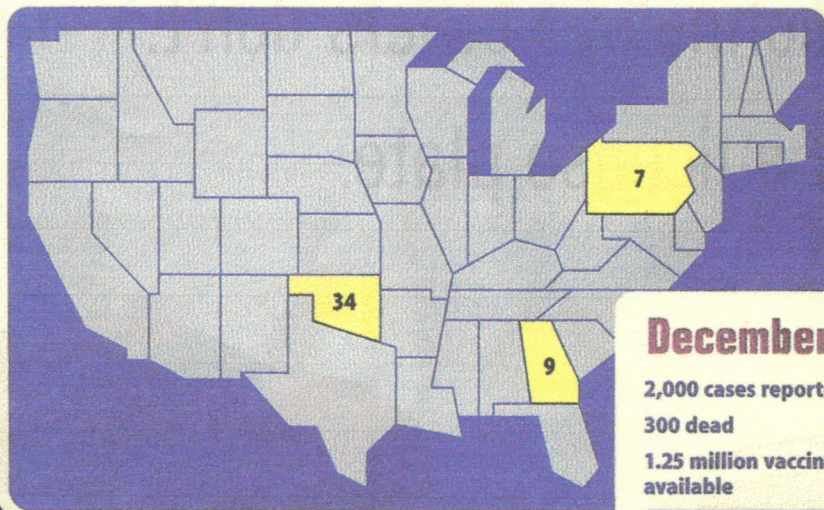


December 9, 2002

50 smallpox cases reported
12 million vaccinations available

- ▶ Officials estimate terrorist act occurred on or about December 1
- ▶ Oklahoma, Georgia, Pennsylvania receive 100,000 vaccines each



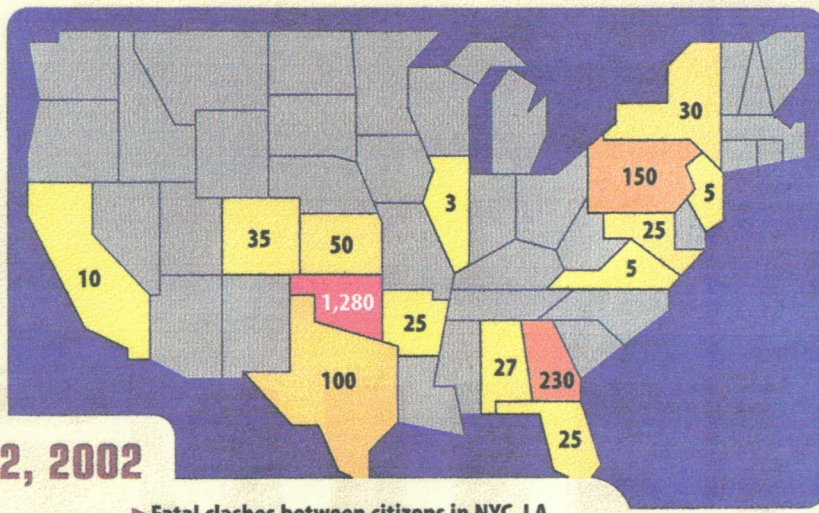
Dark Winter

A Bioterror Scenario

December 15, 2002

2,000 cases reported
300 dead
1.25 million vaccinations available

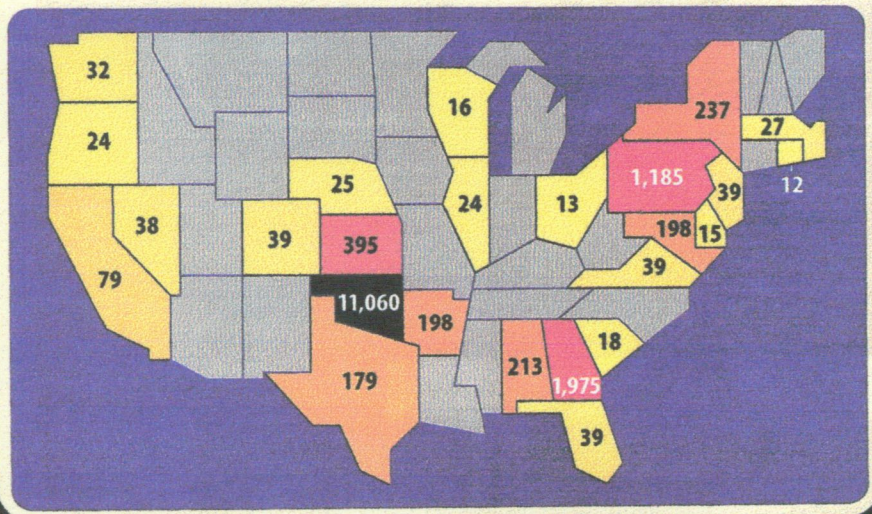
- ▶ US government invokes emergency powers, closes borders and schools
- ▶ Riots at vaccine sites
- ▶ Texas closes border with Oklahoma



December 22, 2002

16,119 cases reported
1,000 dead
0 vaccinations available for next 5 weeks

- ▶ Fatal clashes between citizens in NYC, LA, Chicago, and Houston
- ▶ Experts project up to 300,000 victims by mid-January
- ▶ 10 more countries report smallpox cases



Biowarfare attacks used to be a "what if" topic, played out in computer models and think tanks. But the possibility of viral pathogens being unleashed on an unsuspecting population is suddenly entirely real, which makes Dark Winter a prescient exercise. This hypothetical model, designed by the Center for Strategic and International Studies in June, plays out a scenario in which terrorists release smallpox across the US. As the infected cross state lines and overwhelm hospitals, the nation's supply of 12 million vaccinations – enough for only 1 in 25 people – is exhausted within two weeks. In real life, the Centers for Disease Control has ordered 40 million new doses of smallpox vaccine to be stockpiled (the last routine immunizations were administered in 1972). But the full supply won't be ready until 2004 and may not work against new breeds of virus. Spring suddenly seems a long way off. – Mickey Butts

Sources: Center for Strategic and International Studies, Anser Institute for Homeland Security, and Johns Hopkins University Center for Civilian Biodefense Studies