Smallpox Vaccine Adverse Events
Public Health Guidance for Clinicians

A Teaching Set Reviewing Key Points in the MMWR Report
Expected Vaccination Site Reaction

Primary Vaccination Site Reaction

Day 4

Day 7

Day 14

Day 21

SAFER • HEALTHIER • PEOPLE™
Normal Reaction
Day 7
Normal Reaction
Day 12
Major Reaction
First time vaccinee, Day 6
Major Reaction
First time vaccinee, Day 10

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Major Reaction
First time vaccinee, Day 15
Major Reaction
Revaccinee, Day 4

Randomization #
Date: 5-9-02
Major Reaction
Revaccinee, Day 8
Major Reaction
Revaccinee, Day 10

Randomization #
Date: 5-15-02
Major Reaction
Revaccinee, Day 15
Expected Range of Vaccine Reactions

- Fatigue
- Headache
- Myalgia
- Lymphadenopathy
- Lymphangitis
- Pruritis
- Edema at the vaccination site
- Satellite Lesions
Rates of Expected Reactions

- 21% complications required physician consult
- Most Common Symptoms
  - Fatigue (50%)
  - Headache (40%)
  - Muscle aches and Chills (20%)
  - Nausea (20%)
  - Fever $\geq 37.7 \, ^\circ C$ or 100 °F (10%)
Satellite Lesions
Naïve Patient, Day 7
Satellite Lesions
Large Vaccination Reactions and Robust Takes
Robust take with lymphangitis
Large Vaccination Reactions and Robust Takes
Robust take with lymphangitis
Large Vaccination Reactions and Robust Takes
Large Local Reaction