Common Bites and Stings

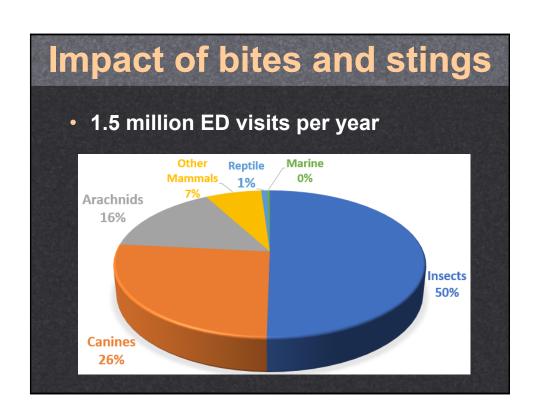
David Hartnett, MD
Assistant Professor
Department of Emergency Medicine
The Ohio State University Wexner Medical Center

Disclosures

None

Learning Objectives

- Discuss the incidence of bites and stings in the US
- Review management of clinically relevant species
 - Insects
 - Mammals
 - Arachnids
 - Reptiles
- Describe indications and methods of rabies prophylaxis



Insects - 50%



Africanized Killer Bees

	LD50 (mg/kg)	Venom (µg)
European Honey Bee	2.8	148
Africanized Honey Bee	2.8	156
Cape Honey Bee	3.0	187

LD50 for a 110 lb person Honey Bees – 890 Stings Yellow Jackets – 3600 stings Paper wasps – 850 stings Rule of Thumb 6 stings/lb – survival 8 stings/lb – LD50 10 stings/lb – Death



Bed bugs

- Behavior
- Transmission
- Incidence
- Prevention
- Symptom control
- Infestation treatment

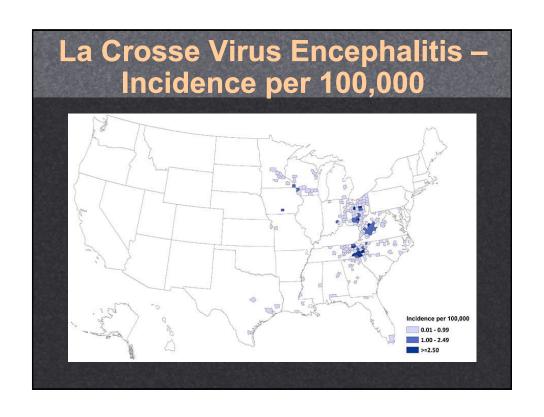


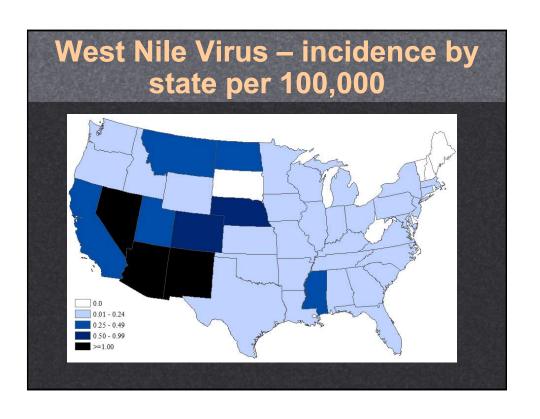
Source: CDC

Mosquito borne illnesses

- Travel medicine
 - Chikungunya
 - Dengue
 - Japanese Encephalitis
 - Malaria
 - Yellow Fever
 - · Zika
- Endemic to United States
 - Eastern Equine Encephalitis
 - St Louis Encephalitis
 - La Crosse Encephalitis
 - West Nile



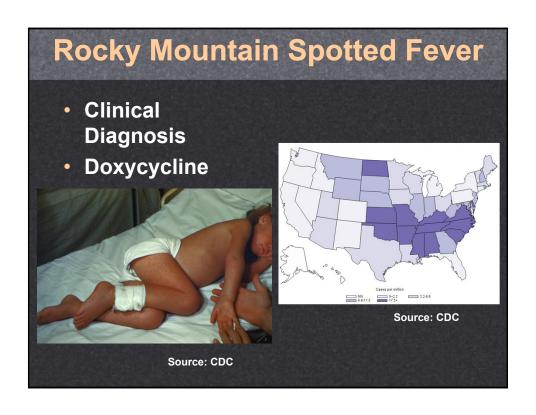


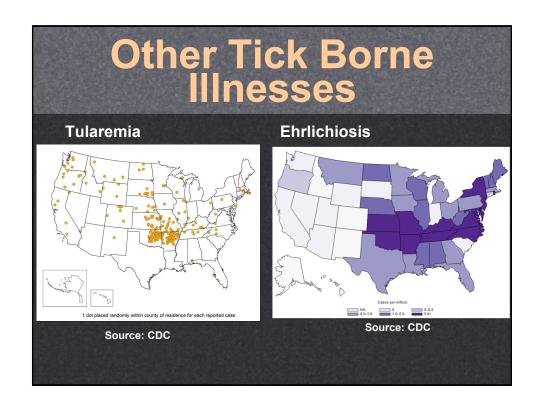


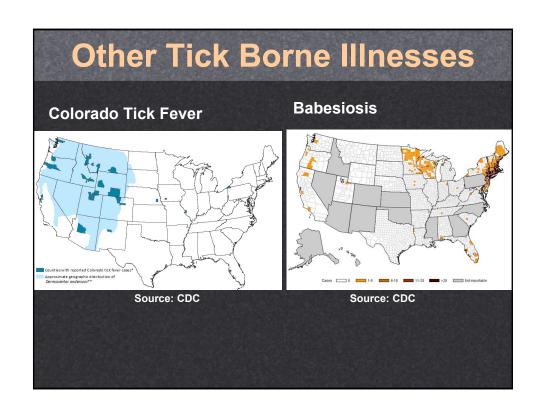




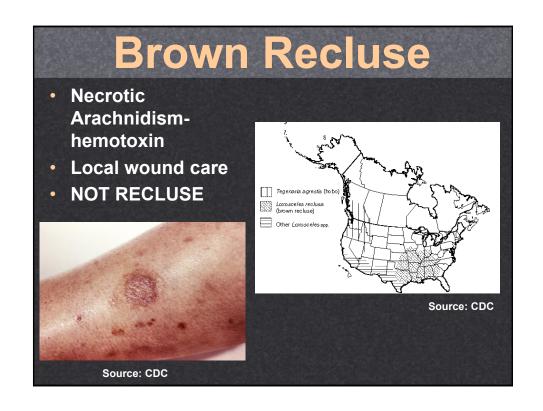










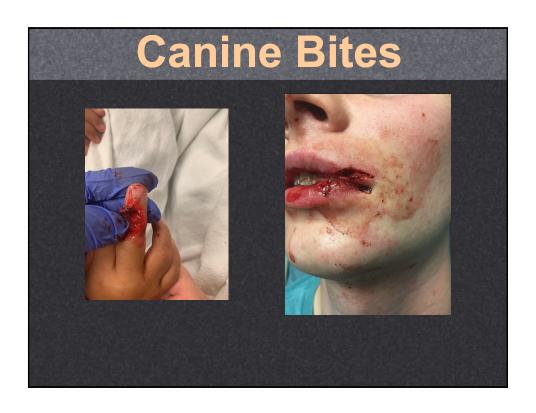












Other Mammals - 7%

- Humans
- Cat Bites
- Bats
- Raccoons
- Possums

