





## Animal Bites and Rabies in the US Rabies is a concern with animal bites

- Rabies is 100% fatal, but preventable with post-exposure prophylaxis (PEP)
- There are an estimated 4.5 million dog bites in the United States

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Rabies Treatment in the US
 Many urgent care clinics and low acuity rapid assessment portions of emergency rooms handle animal bites
 These are often staffed with advanced practice providers
 Patients may need complex care including PEP, wound care, vaccinations, and pain management

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## Gaps in Provider Knowledge

- Physicians found to be unfamiliar with PEP schedule, vaccination location, and transmission routes
- A lack of knowledge in rabies was noted in various health professions in the South-West US
- Lack of rabies knowledge has been identified in adjacent and non-medical roles such as wildlife professionals and veterinarians

## **Research Questions**

• **RQ**<sub>1</sub>: How well do advanced practice practitioners understand and utilize evidencebased practice for the diagnosis and treatment of rabies?

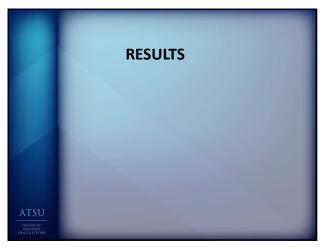
• **RQ<sub>2</sub>:** How well are advanced practice practitioners able to educate their patients on occupational and travel-based risks?

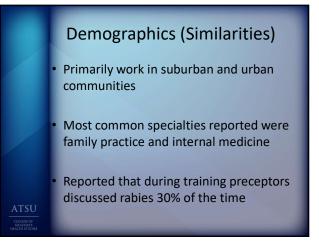
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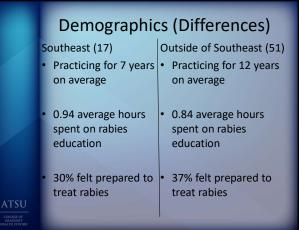




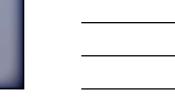


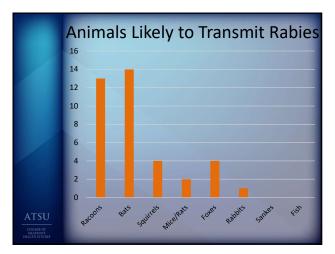




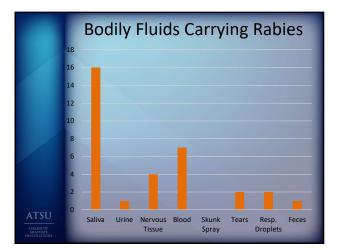




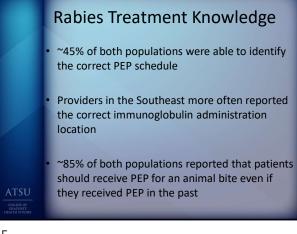


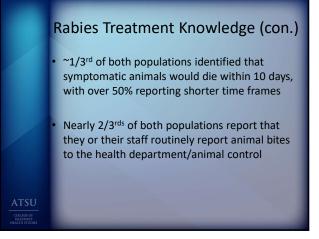




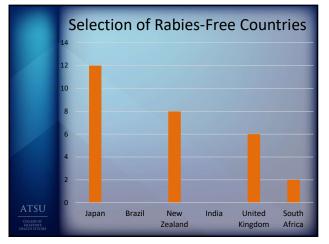














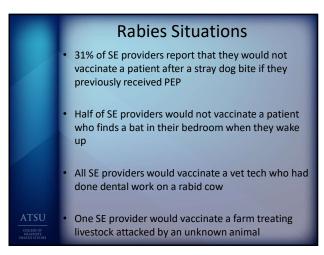


## Discussing the Risks

- 21% reported discussing PrEP and risk of rabies with those travelling abroad and 29% reported that they discuss PrEP and the risk of rabies with high-risk occupations
- Providers outside the South-East less often reported discussing PrEP and the risk of rabies with high-risk occupations

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	Discussion
	• Providers being unaware of animals and fluids that transmit rabies may result in unnecessary vaccination
	<ul> <li>Providers underestimating large animals such as foxes and stray dogs may result in missing needed vaccinations</li> </ul>
	• There are opportunities to be discussing rabies risk with patients that are being missed
ATSU COLLEGE OF GRADUATE HEALTH STUDIES	The low reporting rate may be contributing to these



