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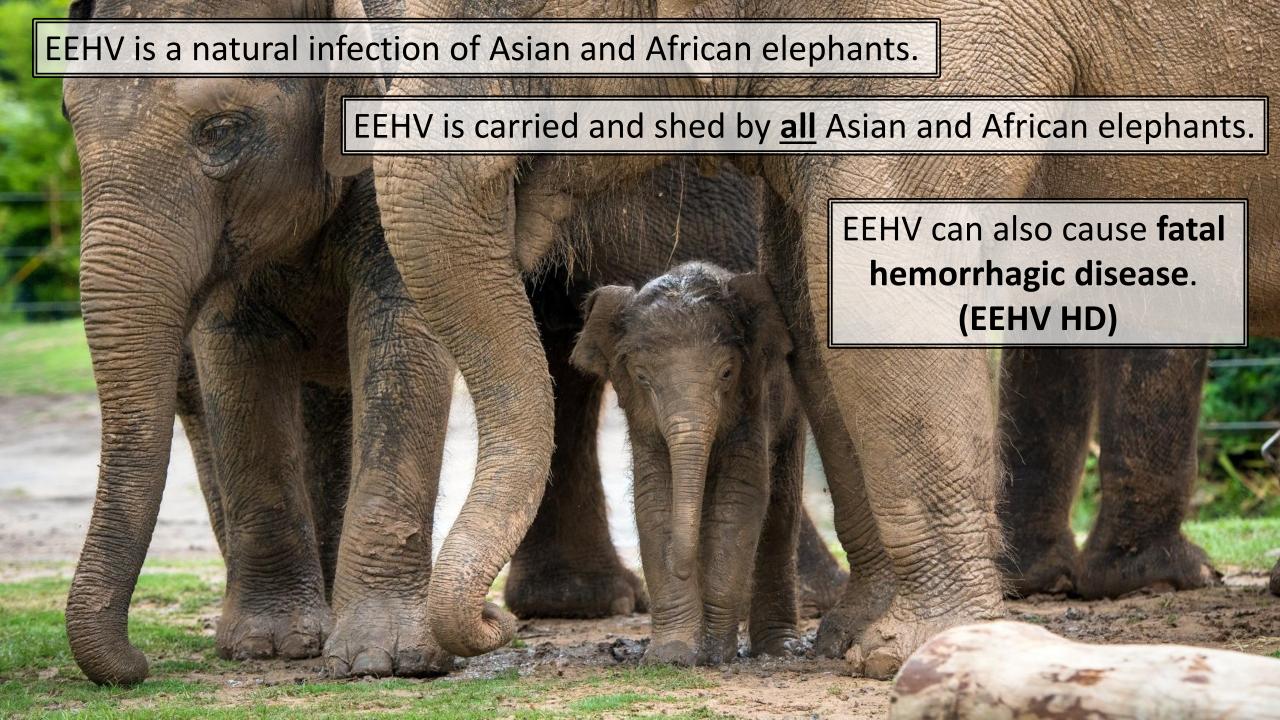


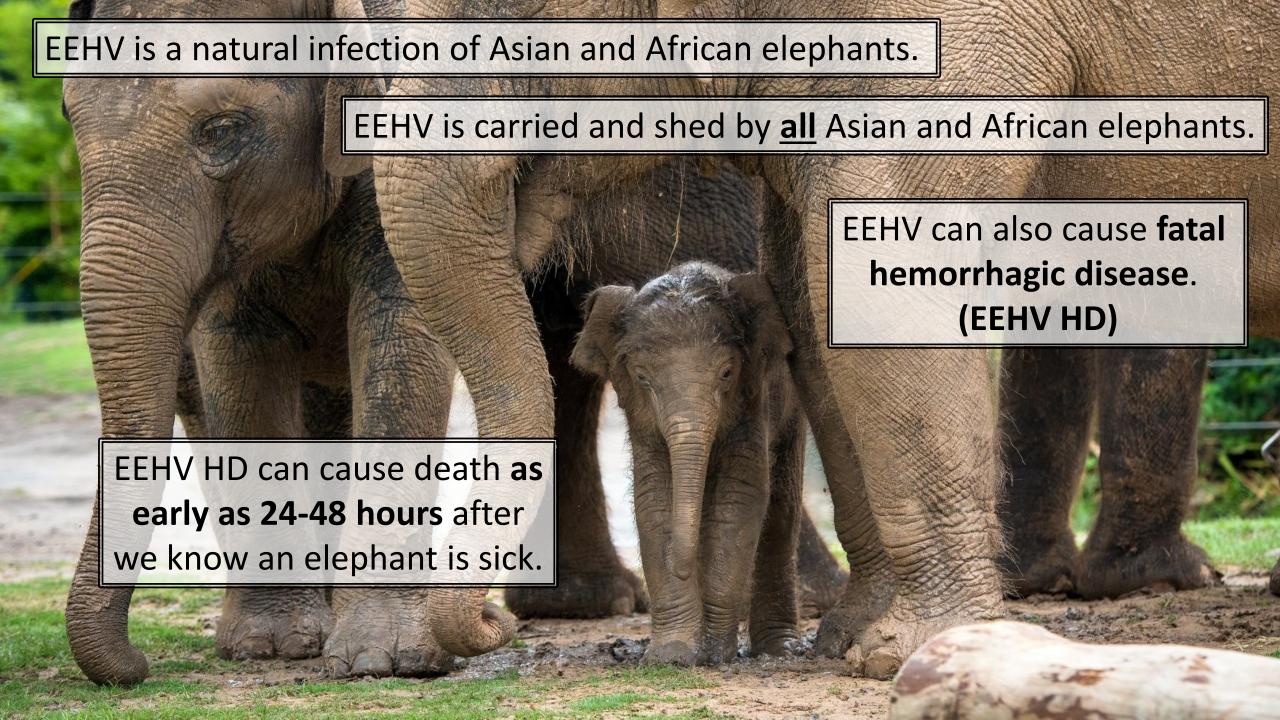


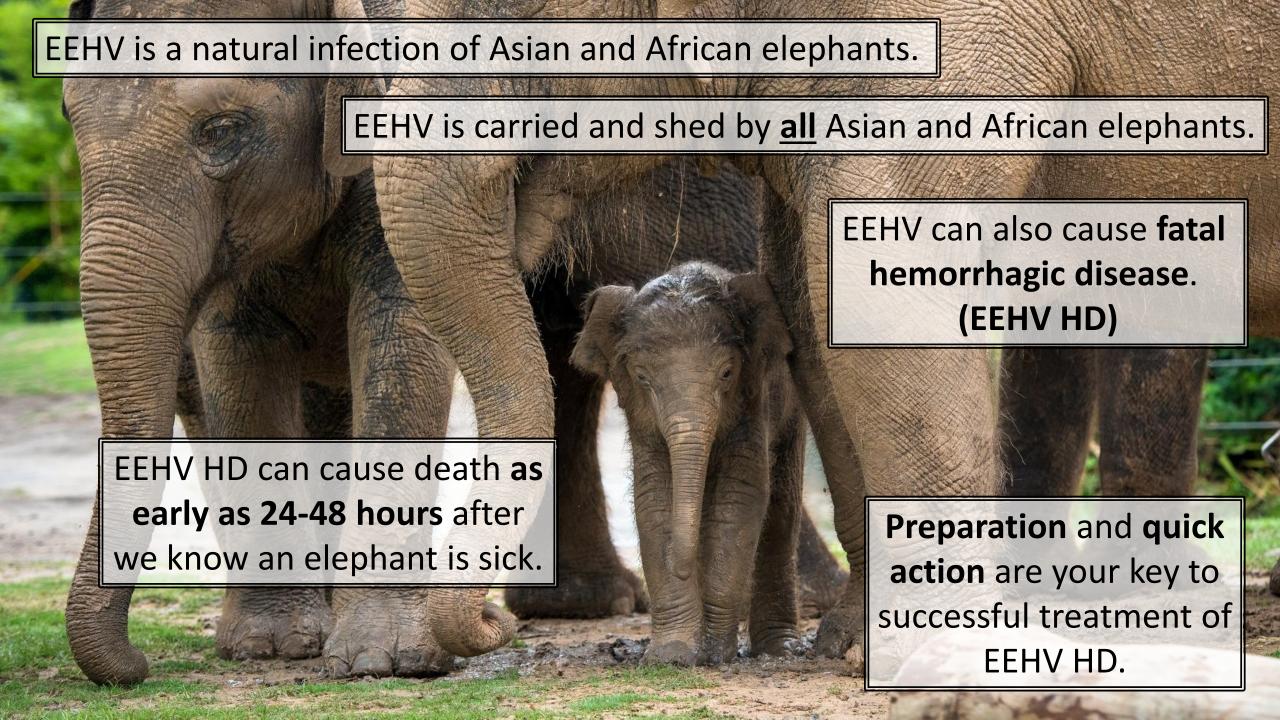










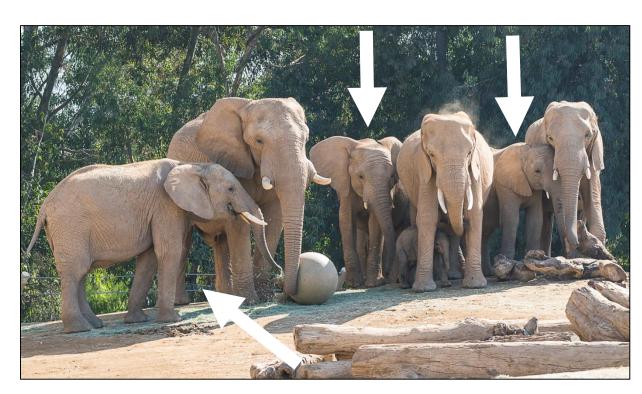




Who is impacted by EEHV HD?

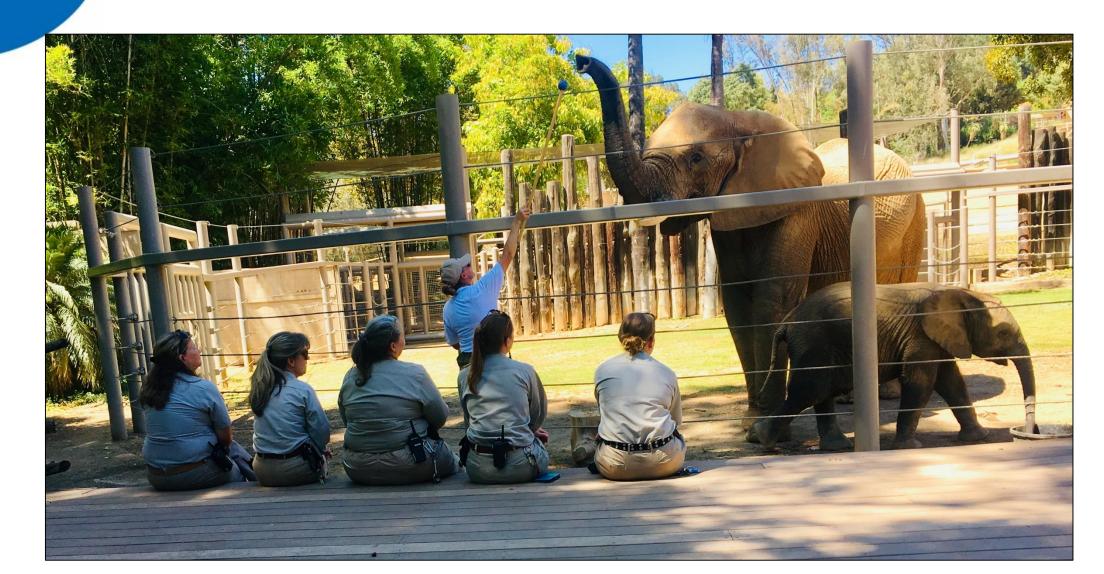
Asian elephants <10 years



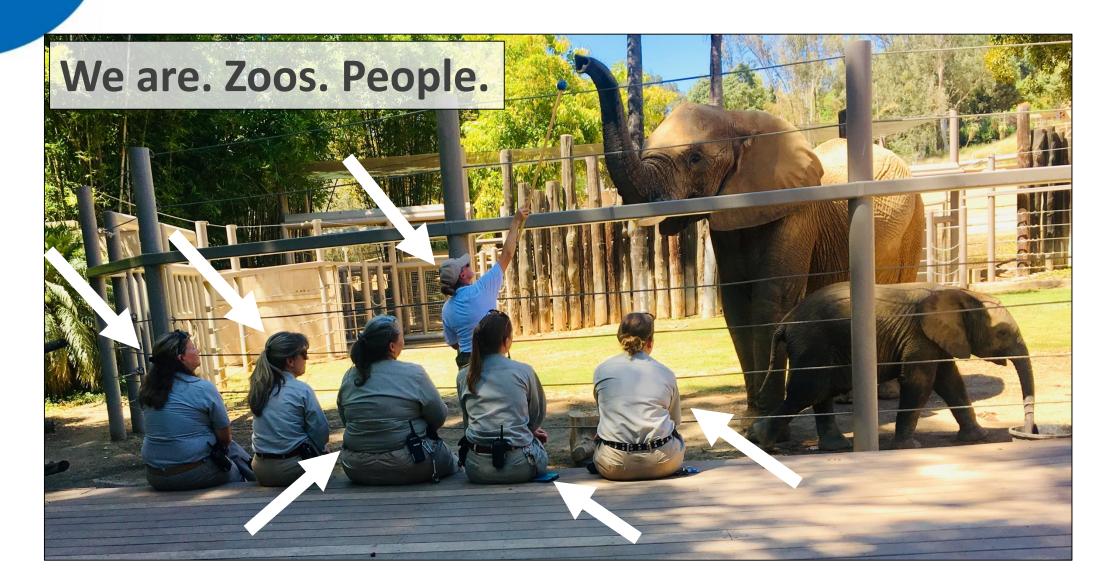


African elephants ≤15 years old

Who is impacted by EEHV HD?



Who is impacted by EEHV HD?





What else about EEHV?

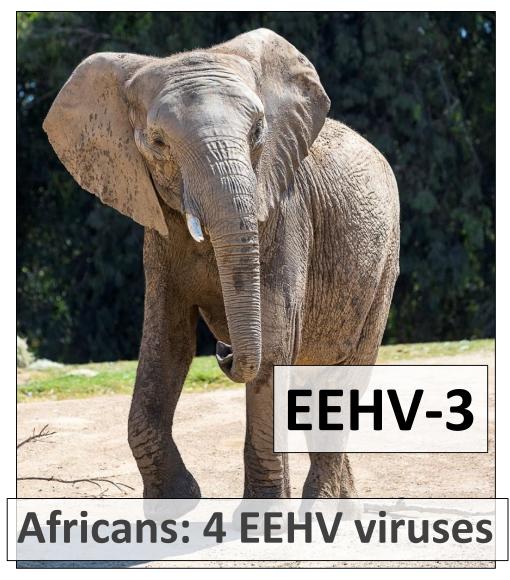






What else about EEHV?







What isn't EEHV?

EEHV is NOT.....

- •A result of mixing Asian and African elephants together.
- •A result of being under human care.
- A reason to stop breeding elephants.



North American Elephants and EEHV

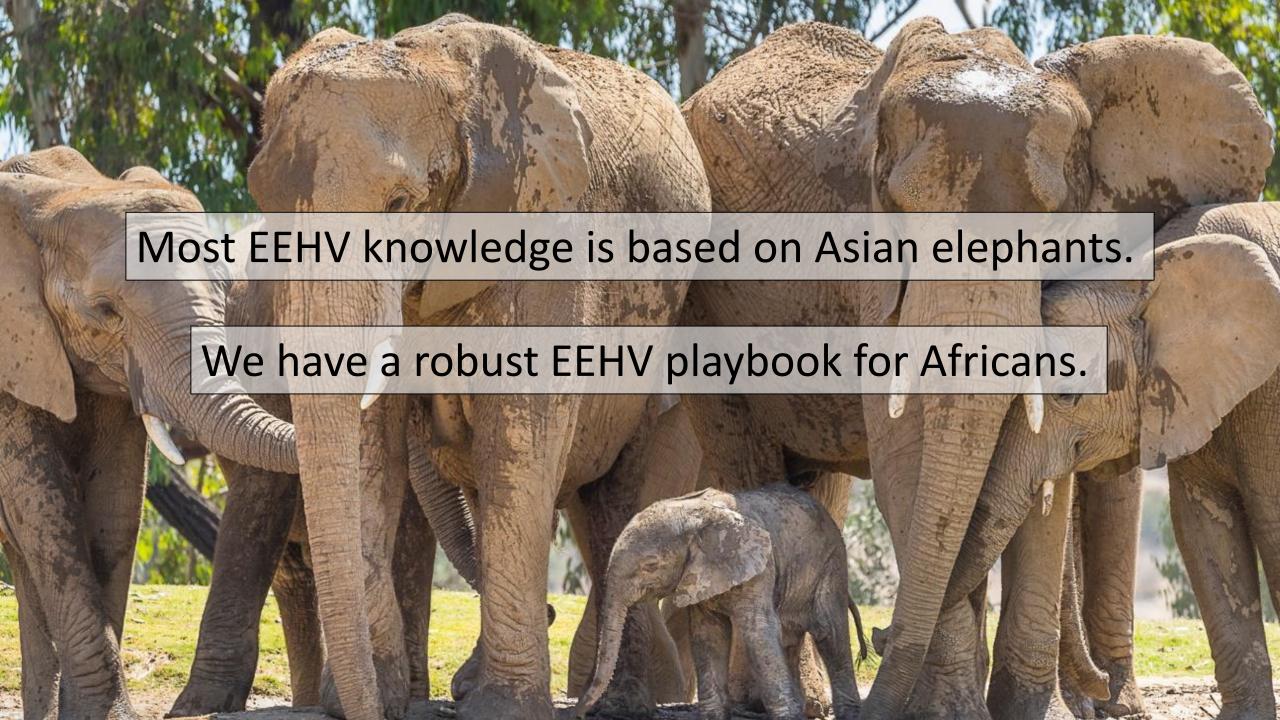
	Asian Elephants	African Elephants
Elephants born or imported since 1980, with known follow-up	129	258
Elephants still alive	87	158
Elephants that have died	42	100
EEHV HD deaths	27	5
% of elephant deaths that are from EEHV	27/42 = 64%	5/100 = 5%

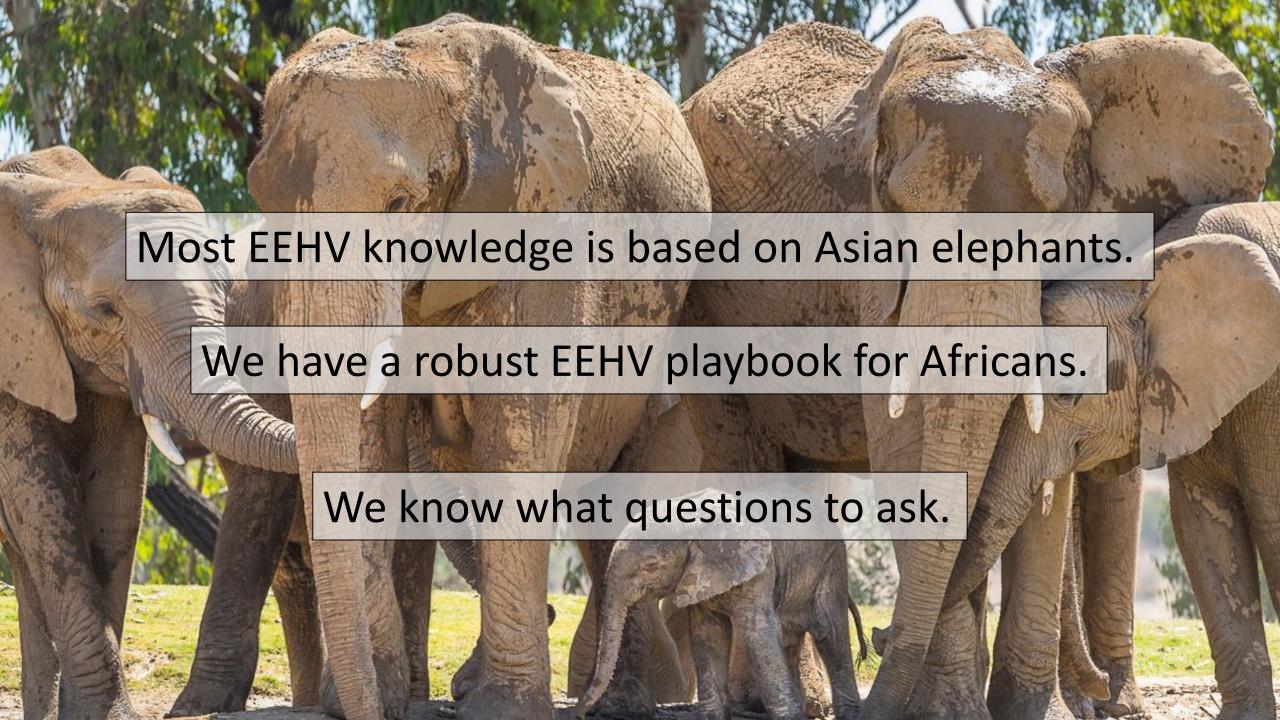
North American Elephants and EEHV

	Asian Elephants	African Elephants
Elephants born or imported since 1980, with known follow-up	129	258
EEHV HD Survivors	15	5
EEHV HD Deaths	27	5
Fatality Rate of EEHV HD Cases	64%	50%
% of all elephants in population that have been impacted by EEHV	42/129 = 32%	10/258 = 4%



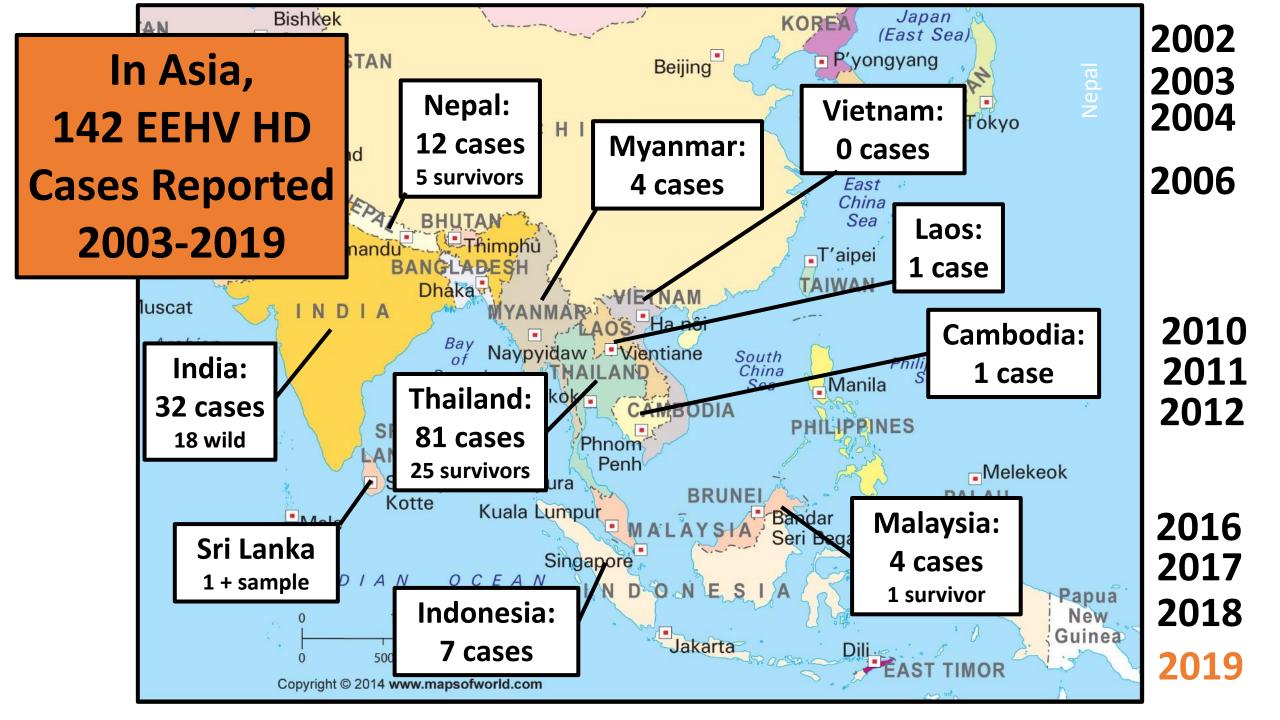


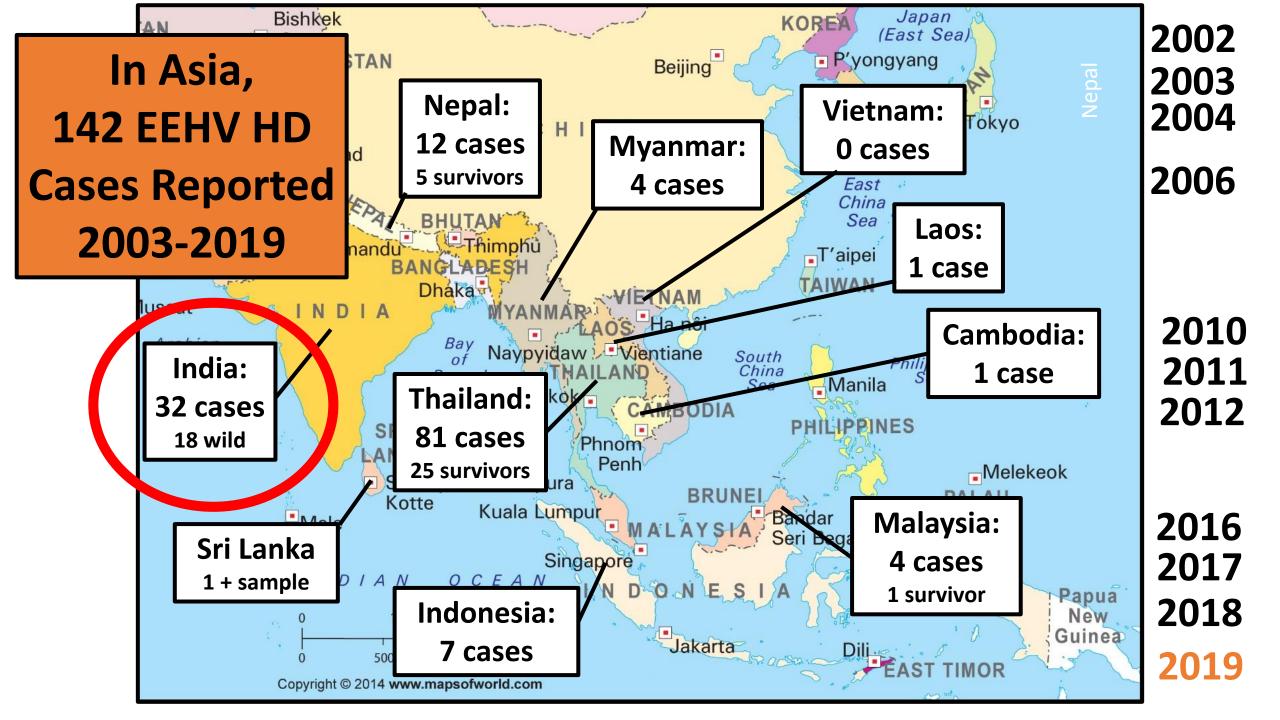






















EEHV Preparedness

- Train your elephants.
- Train your people.
- Get the stuff.

HOUSTON ZOO ASIAN ELEPHANT EEHV PROTOCOL

April 2015



San Diego Zoo Safari Park

African Elephant EEHV Protocol

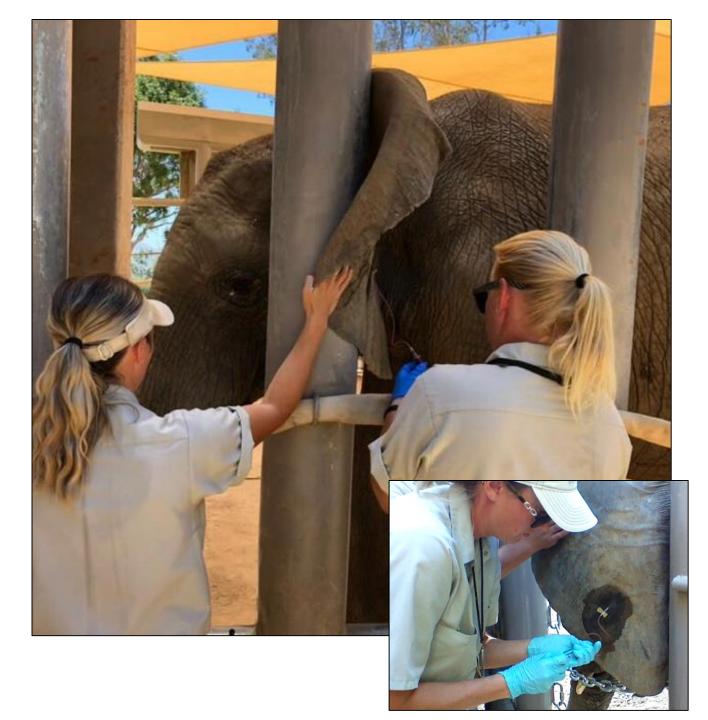


August 2019



Vigilance

- EEHV in the blood may lead to EEHV HD illness
- EEHV can be detected in blood up to 2 weeks before illness.
- Early changes in the CBC can indicate impending illness.



Vigilance



saves lives.

blood up

• Early changes in the CBC can indicate impending illness.



Vigilance

- lead to E
- EEHV cal
- Early cha can indic illness.

• EEHV in On-command blood collection in any blood up before if at-risk elephant that is even slightly off.





Early, aggressive treatment



First step:

- Antiviral medication
- Fluid support (oral, rectal)



Early, aggressive treatment



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- Antiviral medication
- Fluid support (oral, rectal)

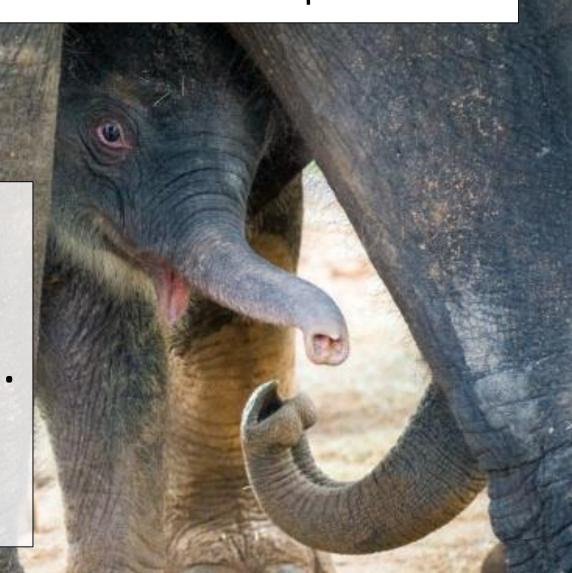
<u>If no improvement:</u>

- IV plasma transfusions
- IV fluids and rectal fluids
- Standing sedation
- Antibiotics, stem cells, etc.



What can you do for YOUR elephants?

- 1. Educate yourself.
- 2. Educate your institution.
- 3. Prepare, Prepare, Prepare.
- 4. Educate your community.
- 5. Ask for help.





Where Can You Learn More?

The EEHV Advisory
Group is here for
you!!

www.eehvinfo.org







What can we do for all elephants?

Support EEHV-focused research

- In North America
- In range countries
- AZA SAFE: Asian elephant range country assistance
- Share your stories!



