

Joint Hearing of the Senate Game & Fisheries and Agriculture & Rural Affairs Committees

Tuesday, June 13, 2017

1



CWD Facts

- CWD belongs to a family of diseases known as transmissible spongiform encephalopathies (TSEs)
- CWD susceptible species include: black-tailed deer; elk; moose; mule deer; red deer; sika deer; white-tailed deer; and hybrids of these species.(found in a reindeer but not yet on official list)
- CWD is identified as a dangerous transmissible disease under the Pennsylvania Domestic Animal Law.



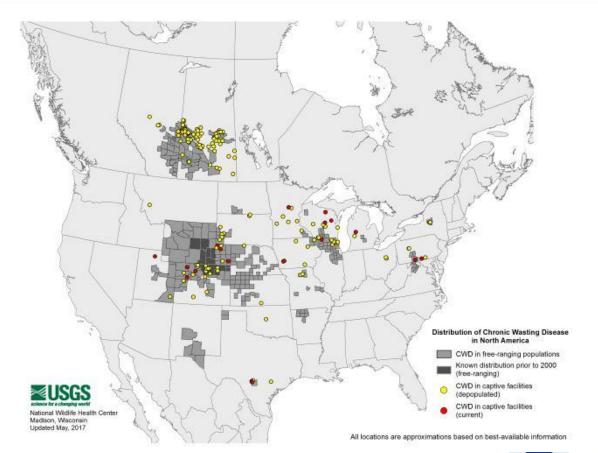
CWD Facts - continued

There is **no**:

- Treatment;
- Vaccine;
- Reliable live animal test; or
- Practical means of testing soil for the presence of the prion.





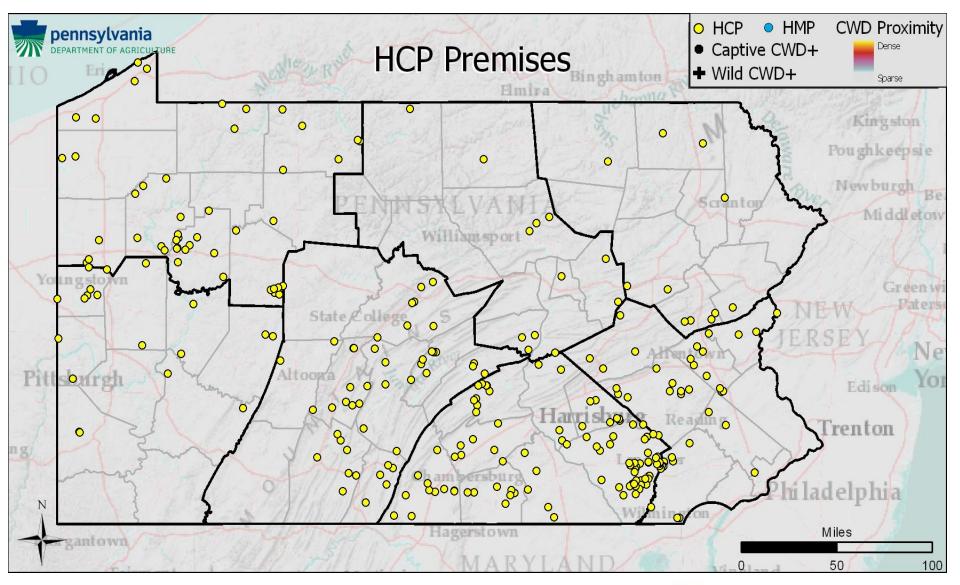




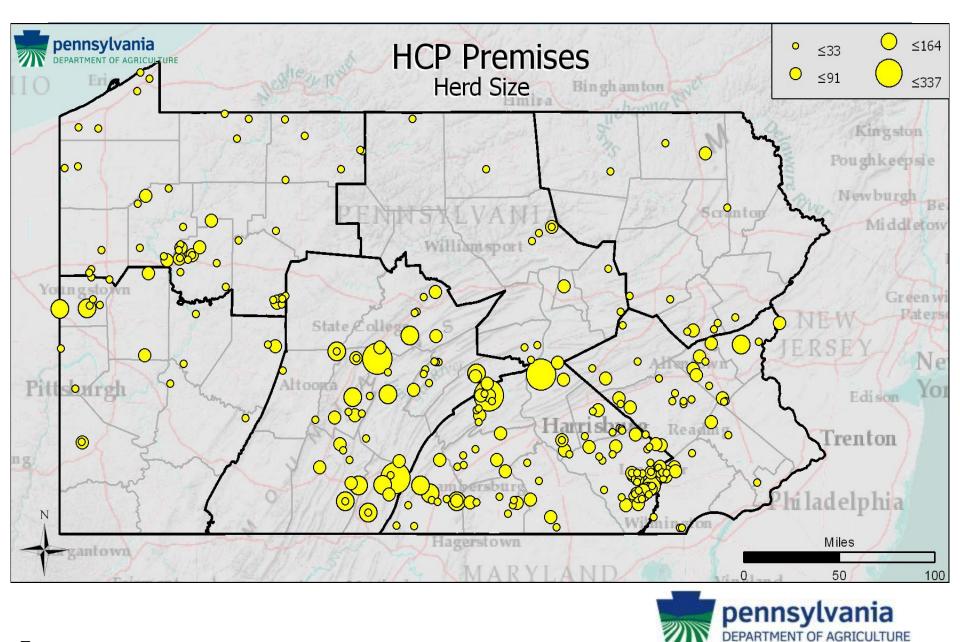
Herd Certification Program (HCP)

- The CWD HCP is a voluntary program approved by USDA APHIS.
- The requirements are designed to determine the CWD status of domestic cervid herds.
- 257 Pennsylvania herds have attained certified status for interstate movement.
 - 5 years of negative tests and program compliance
 - Emphasis: ID, records, annual inventory, testing, fencing, inspection, vet verified inventory





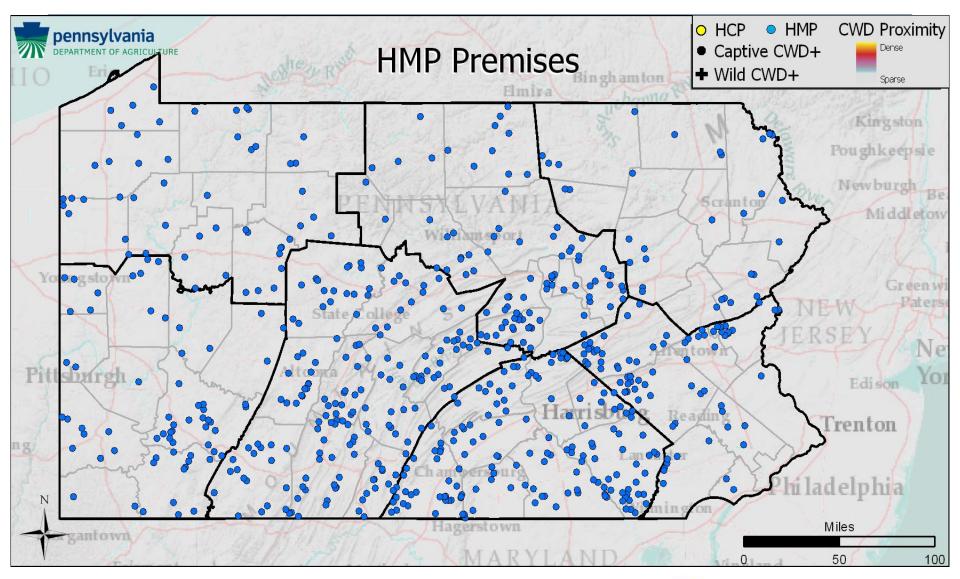




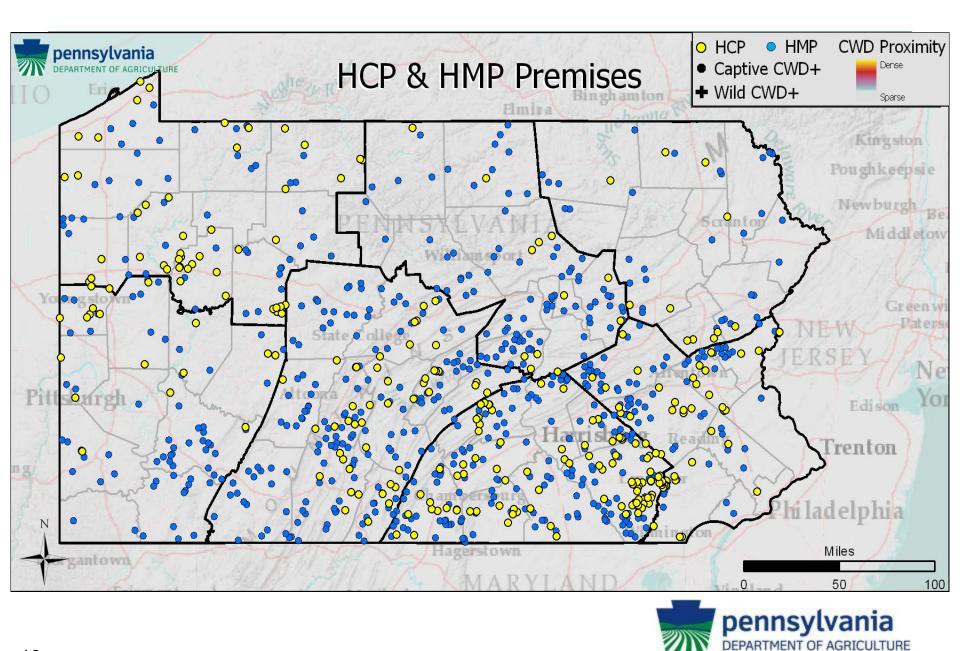
Herd Monitoring Program (HMP)

- The Pennsylvania CWD HMP is the mandatory program for all captive cervid herds not enrolled in HCP.
- 720 herds with HMP status are eligible for intrastate movement only.
 - Emphasis: ID only for movement and testing, annual inventory, fencing



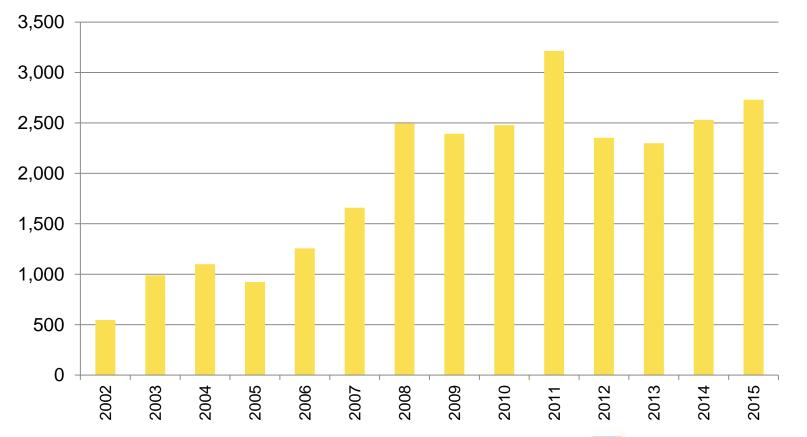








Captive Cervids Tested

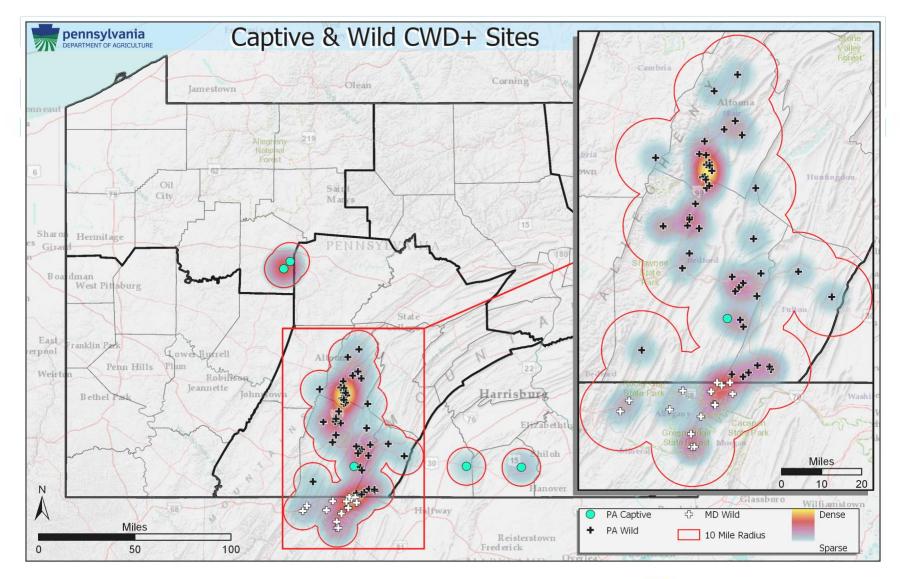


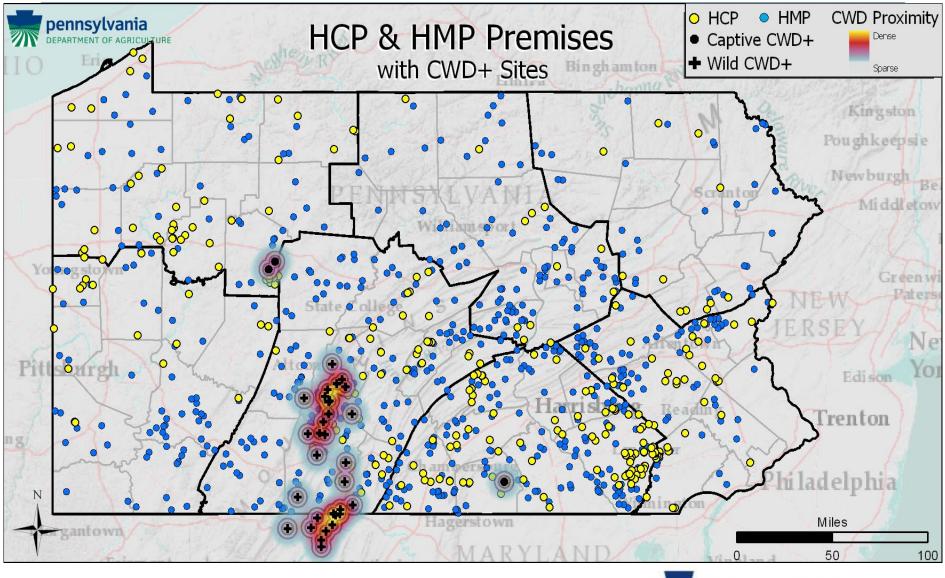


Captive Cervid CWD Positives

- 6 CWD positive premises in Adams (1), Bedford (1), Franklin (1), Fulton (1) and Jefferson (2) counties
 - $_{\odot}$ 3 premises depopulated and empty
 - $_{\odot}$ 3 premises remain populated under strict QT
- 13 CWD positive animals total
- 21 CWD quarantined premises with exposed animals
 - 13 whole herds
 - \circ 7 of the premises have no animals
 - 1 individual animal









CWD Management Plan

- Together, we plan to review the 2011 response plan (2017 plan is in draft form)
- The focus is on building a strategic plan to manage CWD in PA based on risk.
- Key elements include:
 - Practical to implement
 - $\circ~$ Uniform and consistent, whether inside or outside a fence
 - Addresses herd health
 - Public education



Cervid Herd Health

In addition to CWD Programs:

- Tuberculosis Accreditation Program

 222 cervid herds fully accredited
- Brucellosis Certification Program
 222 cervid herds fully certified
- Regular whole herd testing by accredited veterinarians with record keeping.



Questions?

Contact Information

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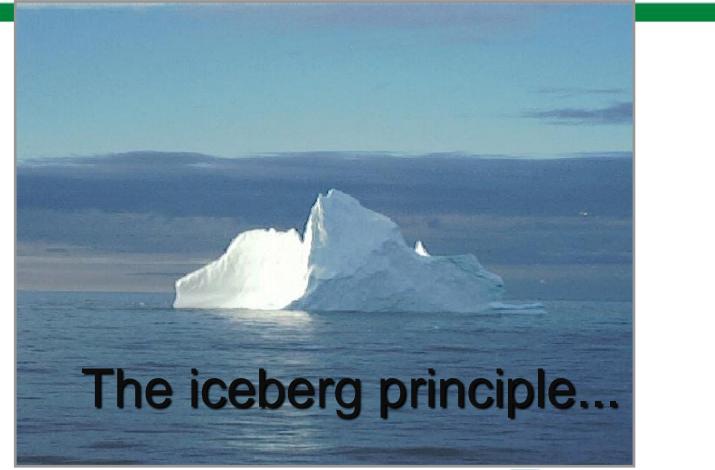
Why is Testing and Control such an Issue for Chronic Wasting Disease (CWD)?

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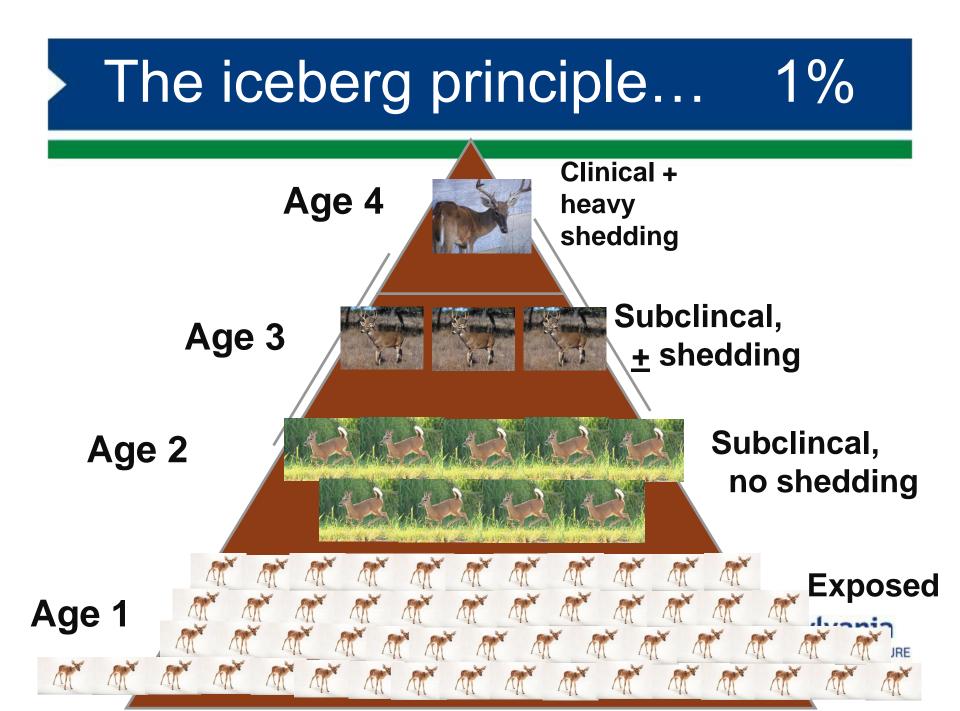
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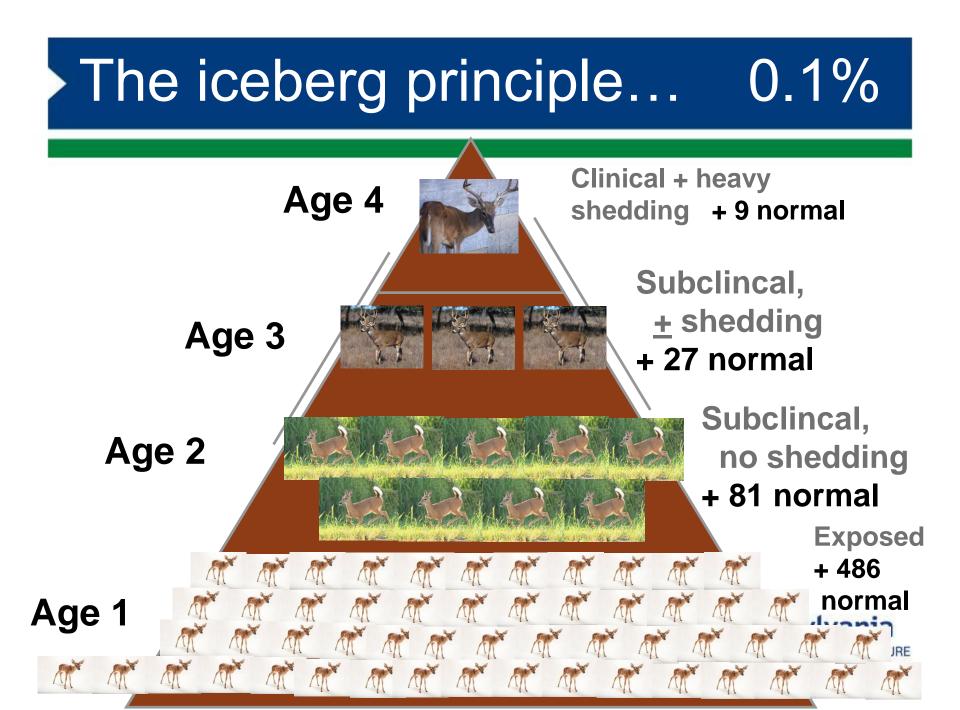


The herd picture...







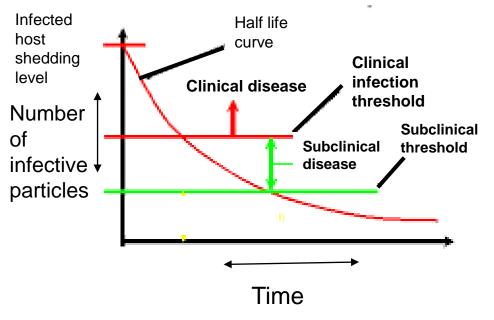


Statistics and Testing

Prevalence	1%	1%	1%	5%	5%	5%
Certainty	90%	95%	99%	90%	95%	99%
N=10	10	10	10	10	10	10
20	20	20	20	19	20	20
30	30	30	30	24	26	29
40	40	40	40	28	31	36
50	50	50	50	30	35	42
60	59	60	60	32	38	47
70	68	70	70	34	40	51
80	76	79	80	35	42	54
100	91	96	100	37	45	59
150	118	130	143	39	49	68
250	151	175	210	42	53	76
1000	205	258	368	44	57	86

Reverse the Iceberg-Must change disease dynamics

Environmental Survival Consequences



- Focus on bottom of iceberg not the top
- Minimize exposure of new animals
- Reduce shedding into the environment
- Strictly adhere to parts bans and movement restrictions



Questions?

Contact Information

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