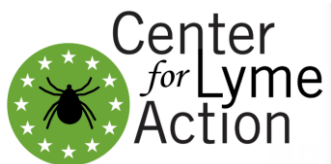


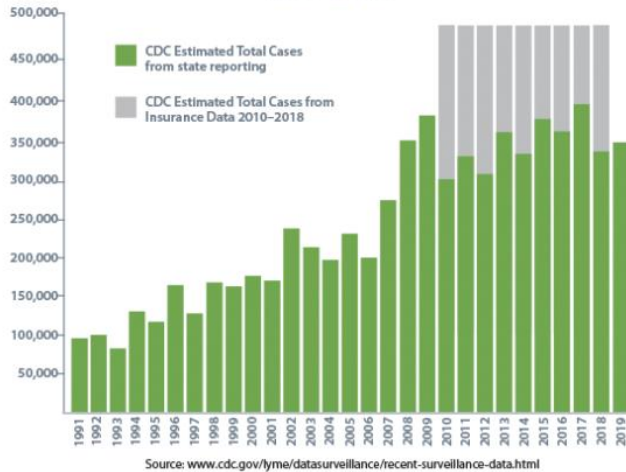
Center for Lyme Action FY25 Appropriations Requests

February 21, 2024



The Problem with Lyme Disease

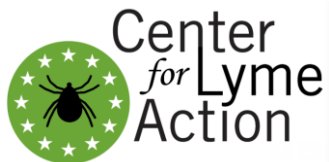
Annual Reported Cases of Lyme Disease
1991–2019



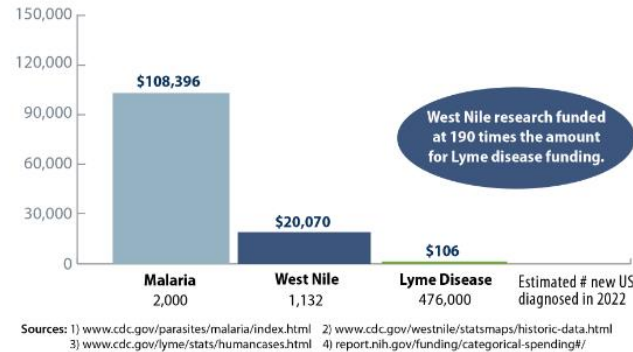
Lyme Cases Increasing

476,000 estimated cases of Lyme disease reported in 2019 by the CDC. Reported total cases in 2019 are nearly 5 times the number reported in 1991.

476,000 cases in 2019



Research Budget Per US Patient by NIH
Vector-borne Disease – 2022



Low Per Patient Funding

Per patient federal funding for Lyme disease is incredibly low at \$106 per patient. Less common diseases such as West Nile has 190 times and Malaria has 1000 times the amount of per patient funding.

More Funding required



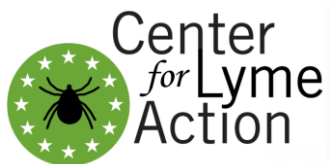
No Working Diagnostic or Therapy

Current diagnostics don't work – at best 38% accurate. Current treatments are insufficient for chronic patients and work for approximately 85% of acute patients.

Need diagnostic and therapy

FY25 Appropriations Requests

- | | | | |
|----|---|----|--|
| 1. | \$30M – CDC – Fully Fund Kay Hagan Tick Act (Vector-borne disease)
FY23 \$18.5M
FY24 up to \$27.5M | 4. | \$135M – NIH NIAID Lyme disease research
FY23 \$119M
FY24 Up to \$125M+ |
| 2. | \$5M – HHS LymeX Funding
FY23 \$0
FY24 up to \$5M | 5. | \$9M – DOD CDMRP
FY23 \$7M
FY24 Up to \$7M |
| 3. | \$30M – CDC – Fund Lyme disease prevention programs
FY23 \$26M
FY24 \$26M | | |



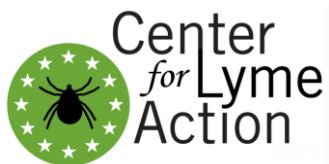
1. Fully Fund the Kay Hagan Tick Act

REQUEST \$30M

- Centers for Disease Control and Prevention (CDC)
- Authorization bill signed into law in 2019
- Recommends \$30M each year
- \$10M funds Centers of Excellence for research grants
- \$20M funds states and tribes for prevention and response

Funding History

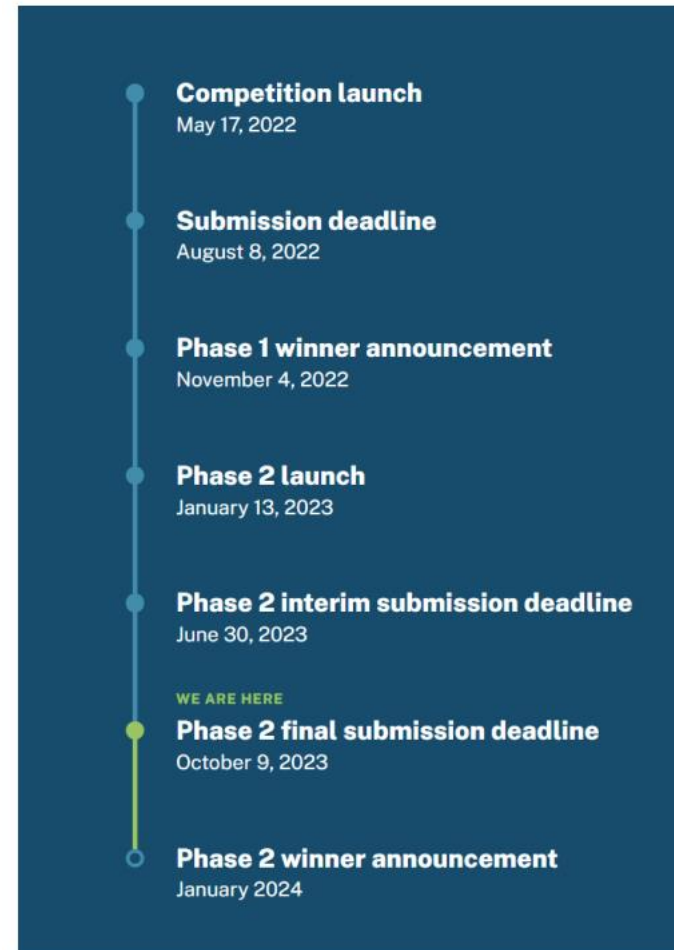
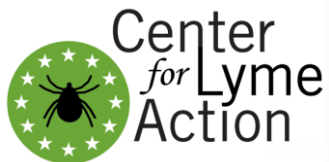
Fiscal Year	\$ in millions
FY19	\$0
FY20	\$0
FY21	\$4M
FY22	\$16M
FY23	\$18.5M
FY24 House	\$18.5M
FY 24 Senate	\$27.5M
FY25 CLA Request	\$30M



2. Fund HHS LymeX Innovation Accelerator

REQUEST: \$5M

- Office of the Secretary, HHS
- \$25M public-private partnership with Steven and Alexandra Cohen Foundation
- Foundation funds prize challenges for Lyme diagnostics
- Phase 2 winners just announced
- \$5M needed for federal implementation



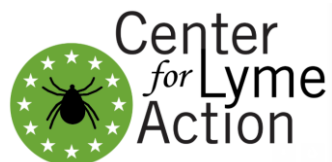
https://www.lymexdiagnosticsprize.com/?utm_source=HHS&utm_medium=press-release&utm_campaign=P1-winners

3. Fund Lyme & Tick-borne disease prevention programs

REQUEST: \$30M



- Centers for Disease Control and Prevention (HHS CDC)
- Bolster critical prevention programs and public awareness efforts
- Develop better tick repellents
- Improve TickNET surveillance networks and accurately determine disease burden



Funding History

Fiscal Year	\$ in millions
FY19	\$12M
FY20	\$14M
FY21	\$16M
FY22	\$20.5M
FY23	\$26M
FY24 House	\$26M
FY24 Senate	\$26M
FY25 CLA Request	\$30M

4. Fund NIH Lyme disease and other tick-borne disease research

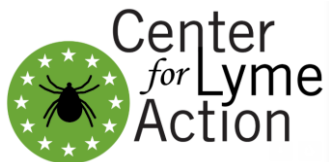
REQUEST: \$135M

- National Institute of Allergy and Infectious Diseases (HHS NIH NIAID)
- CDC estimates at least 476,000 (cases) Americans get Lyme disease in the US each year
- Only \$106 per patient is allocated toward Lyme funding for NIH NIAID research
- Underfunded compared to more rare infectious diseases:
 - West Nile (1,132 cases) - \$20,070 per patient
 - Malaria (2000 cases) - \$108,396 per patient



Funding History

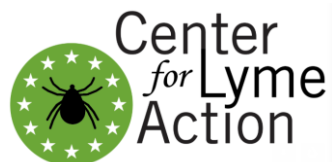
Fiscal Year	\$ in millions
FY19	\$32M
FY20	\$34M
FY21	\$96M
FY22	\$119M
FY23	\$119M
FY24 House	\$125M Minimum
FY24 Senate	Not specified
FY25 CLA Request	\$135M



5. Fund Defense Peer-reviewed Tickborne Disease Research

REQUEST: \$9M

- Department of Defense
- Peer-Reviewed Tickborne Disease Research under the **Congressionally Directed Medical Research Program** within Department of Defense (DOD CDMRP TITLE V)
- Unique peer review includes government experts and Lyme community experts
- Funded just 20% of proposals in 2022, could fund more with additional resources



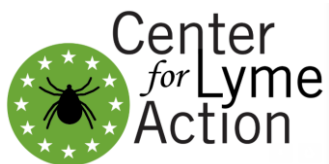
Funding History

Fiscal Year	\$ in millions
FY19	\$5M
FY20	\$7M
FY21	\$7M
FY22	\$7M
FY23	\$7M
FY24 House	\$7M
FY24 Senate	Not specified
FY25 CLA Request	\$9M

TBDRP	Funding	Applications	Funded
FY 2019	\$5M	62	8
FY 2020	\$7M	39	8
FY 2021	\$7M	44	8
FY 2022	\$7M	30	6

FY25 Appropriations Requests

- | | | | |
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FY23 \$0
FY24 up to \$5M | 5. | \$9M – DOD CDMRP
FY23 \$7M
FY24 Up to \$7M |
| 3. | \$30M – CDC – Fund Lyme disease prevention programs
FY23 \$26M
FY24 Up to \$26M | | |



Q&A

