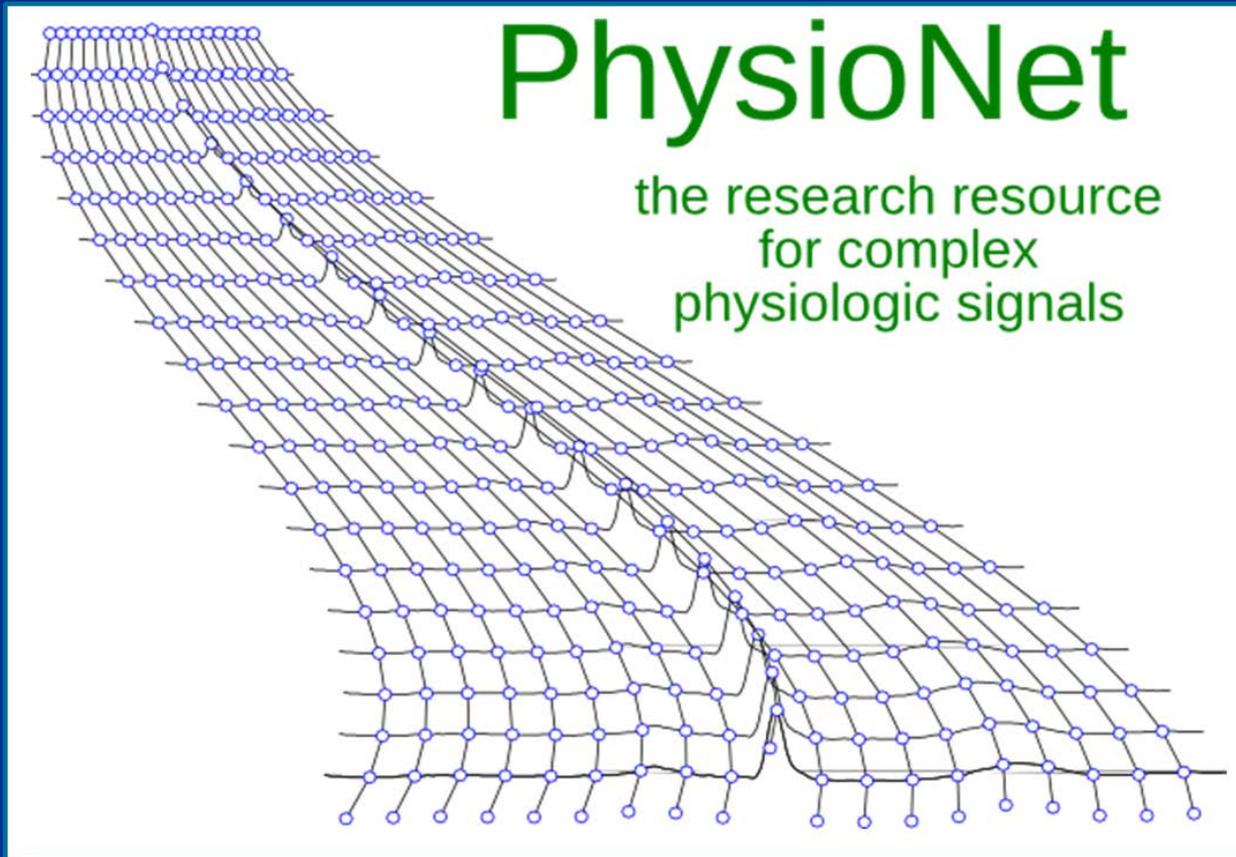


PhysioNet

Established September, 1999



Supported by
NIBIB and NIGMS

What is PhysioNet?

A web-based resource designed to support current research and stimulate new investigations in the study of complex physiologic and clinical data.

Four closely interdependent components:

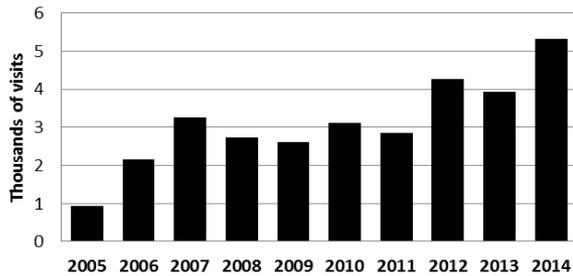
- Data repository (**PhysioBank**)
 - Makes large (>4 TB) collections of physiologic and clinical data available in open, Internet accessible, archives
- Library of related software (**PhysioToolkit**)
 - Open-source software for data exploration and analysis
- Collaborative secure workspace (**PhysioNetWorks**)
 - Private sharable incubator for ongoing research

www.physionet.org

PhysioNet's Impact

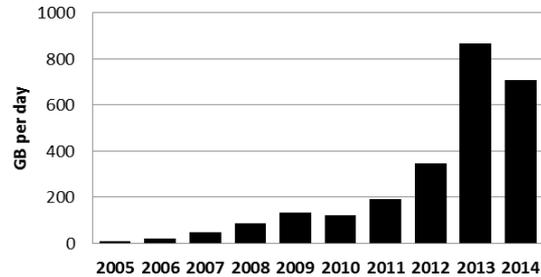
Over 40,000 users from all 50 states and more than 140 nations.

Visits per Day



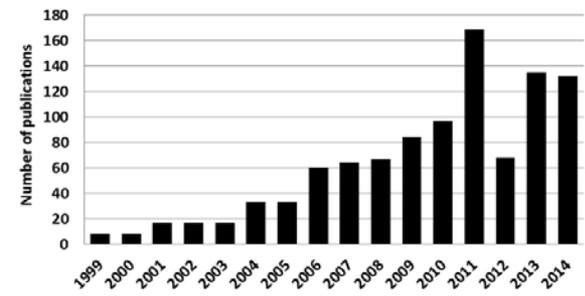
5,200 visits per day

Data Downloads (GB/day)



700 GB per day

Publications per Month



130 articles per month

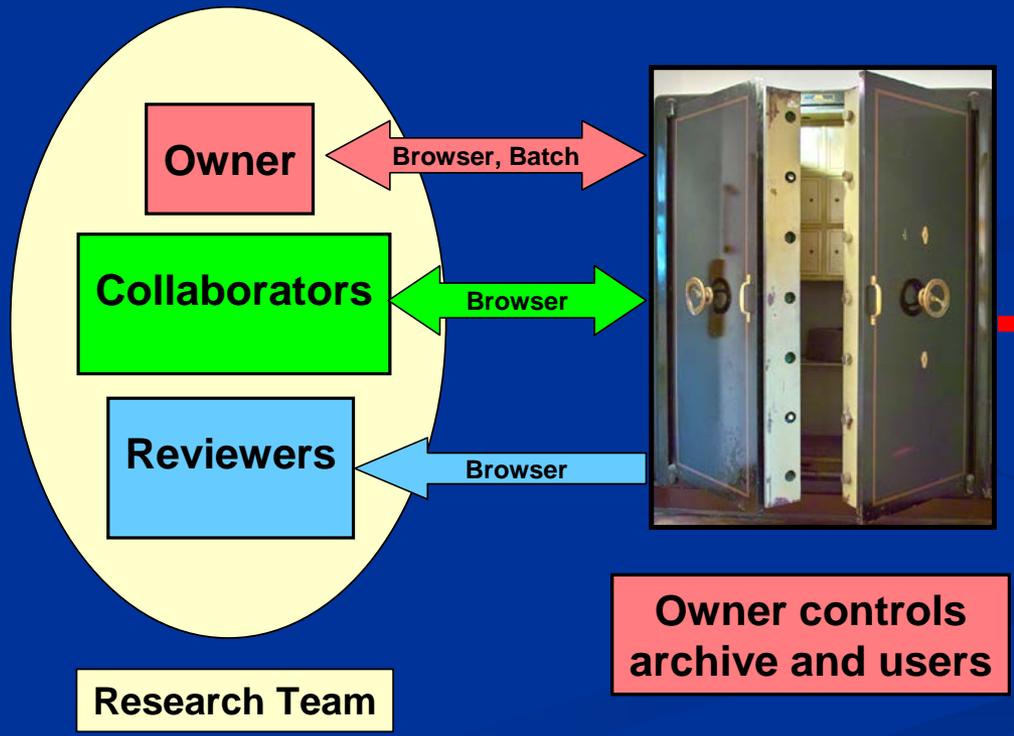
PhysioNetWorks

Collaborative, Secure Archive



Research Data

Site Name	Category	Competition Unique Users	Country	No. Pages	Views	Group
frontfeed.com	Online Cur	160000	150000	0.1	2000000	
thead.org	Connectors	47000	43000	0	74000	
teawater.com	Online Cur	43000	38000	0	120000	
chrisdragan.com	Online Cur	30000	28000	0	74000	
brightlife.com	Telecomm	29000	86000	0	910000	
twinkl.com	News & Li	24500	71000	0	345000	TRUL
web-strategist.com	Online Cur	24000	32000	0	86000	
news.com	Arts & Nat	20000	94000	0	570000	



Challenges in Research Data Sharing

- Research data are not shared because:
 - They get lost
 - They are not annotated with high quality metadata
 - They are not searchable
 - Developing and managing an archive is resource intensive
 - PIs are not motivated, equipped, or funded to archive, curate and distribute research data
 - There are long-term support issues
- Is there a role for institutional libraries?

