



# Animal Research Saves Lives

## Facts on Studies with Non-human Primates

# Non-human Primates

The Federation of American Societies for Experimental Biology (FASEB) affirms the essential contribution of animal research aimed at improving the health of both humans and animals. Non-human primates (NHPs) remain critical in understanding the fundamental processes of life and in developing treatments for injury and disease.

### NHPs HAVE BEEN ESSENTIAL IN THE DEVELOPMENT OF:

Anesthesia	Medication for lymphoma and arthritis
Anthrax vaccine	Medications to prevent spread of HIV
Anti-rejection drugs	Measles vaccine
Behavioral/Psychiatric medications	Neuroprosthetics
Corneal transplants	Polio vaccine
Deep brain stimulation	Tetanus vaccine
Hepatitis A/B vaccines	Yellow Fever vaccine



### NHP RESEARCH HAS CONTRIBUTED TO OUR UNDERSTANDING OF:

Aging	Cardiovascular disease	Infertility disorders	Regenerative medicine
Alcohol/Drug abuse	Cognition/Memory	Malaria	Respiratory syncytial virus
Alzheimer's disease	Diabetes	Mental health disorders	Spinal cord injury
Asthma	Ebola virus	Obesity	Stem Cell/Gene Therapy
Autism	Effects of BPA exposure	Organ transplantation	Tuberculosis
Blood typing	HIV/AIDS	Parkinson's disease	West Nile Virus
Cancer	Huntington's disease	Periodontal disease	Zika virus

Macaques, the most common laboratory NHP, and humans have 93 percent genome similarity.

It is estimated that less than 0.5 percent of animals used in research are NHPs.<sup>1</sup>

NHPs were essential in developing 7 of the 25 most prescribed drugs in the U.S. in 2014.<sup>2</sup>

### NHP RESEARCH IS CLOSELY REGULATED

- ❖ Studies include NHPs only when necessary
- ❖ Researchers and animal care staff are trained to work with NHPs
- ❖ NHPs must be provided with environmental enhancements to promote psychological well-being
- ❖ With limited exception, NHPs must be socially housed with animals of the same species (i.e., at least two animals per cage)
- ❖ NHPs receive veterinary care from experts in the field
- ❖ The federal Animal Welfare Act regulates the care and use of NHPs in research
- ❖ All institutions where NHPs are studied are subject to unannounced USDA inspections
- ❖ A committee of scientists, veterinarians, and community representatives must approve all studies that involve NHPs

1. <https://speakingofresearch.com/facts/statistics/>  
 2. <http://www.nabr.org/biomedical-research/laboratory-animals/animal-research-behind-top-drugs/>

