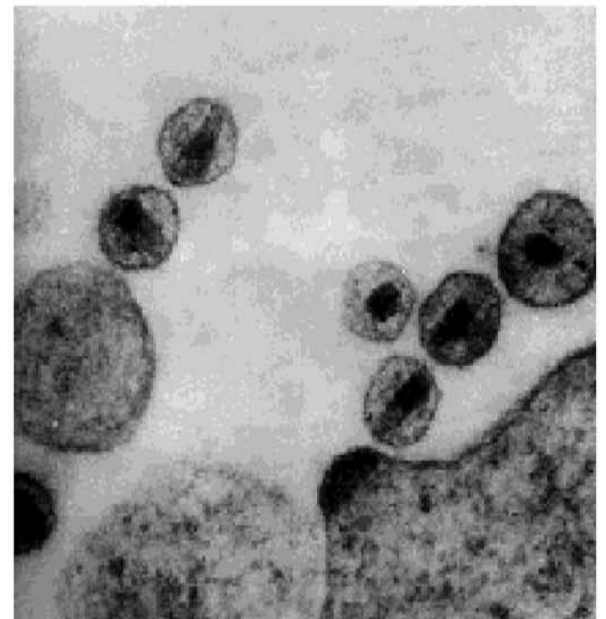


# Advances in AIDS Research, 1981-2008

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- Etiology
- Diagnosis
- Molecular Virology and Epidemiology
- Pathogenesis
- Natural History
- Treatment
- Prevention
- Vaccine Development



# **AIDS Drugs Have Saved 3 Million Years of Life in the United States**

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July 1, 2006  
Volume 194

The Journal of  
Infectious  
Diseases

## **The Survival Benefits of AIDS Treatment in the United States**

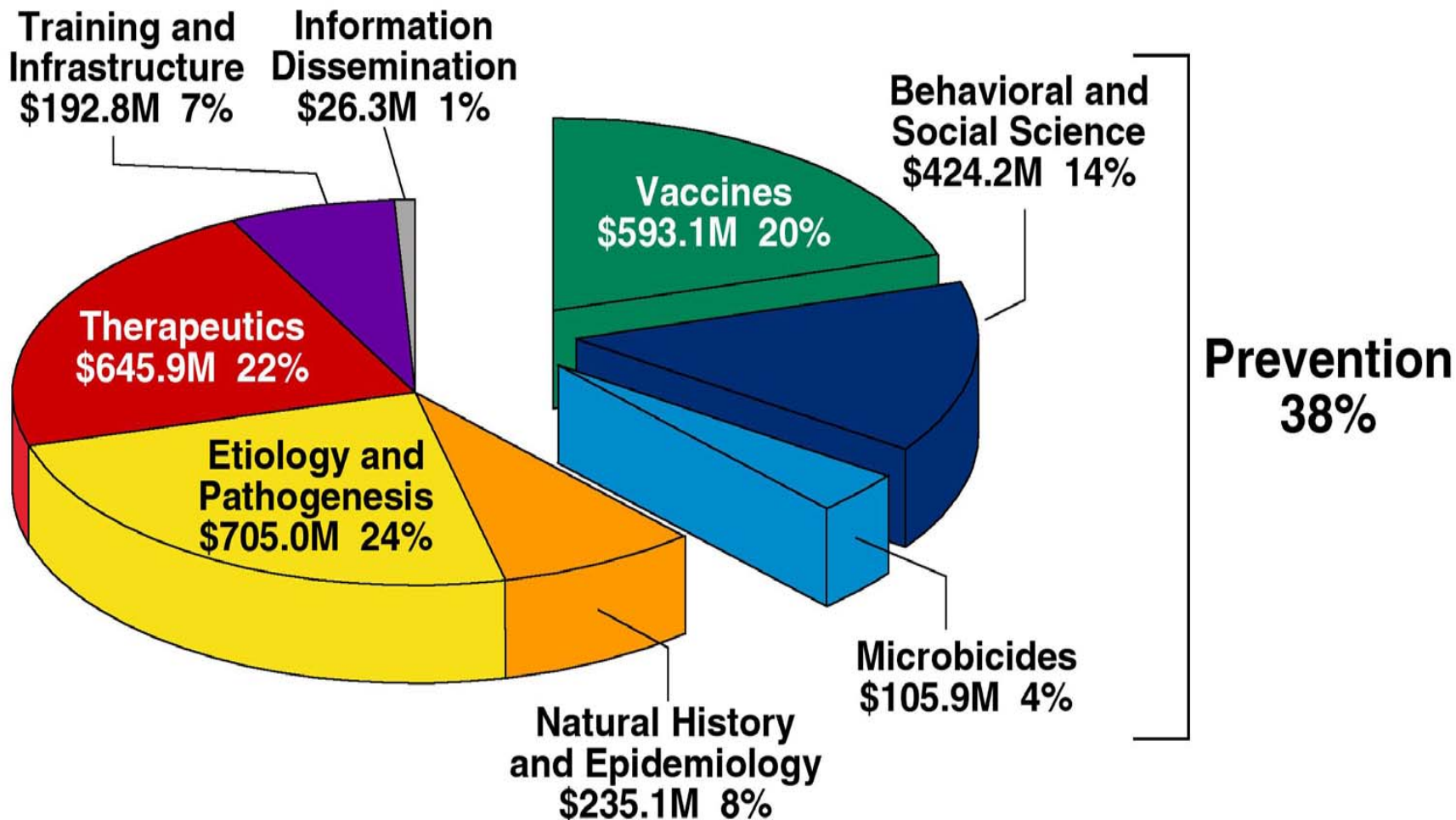
RP Walensky et al.

# **HIV/AIDS in the United States**

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- **545,805 cumulative deaths**
- **~1.1 million living with HIV**
  - **25% unaware of their infection**
- **~56,300 new infections in 2006**

# NIH HIV/AIDS Budget



**FY2008 Enacted**  
**\$2.93B**

# **Proven HIV Prevention Strategies**

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- **Preventing sexual transmission (e.g. behavior change programs, condom promotion, adult male circumcision)**
- **Preventing blood-borne transmission (e.g. needle/syringe exchanges, drug treatment programs)**
- **Preventing mother-to-child transmission (e.g. ARVs)**

# Investigational HIV Prevention Strategies

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- Preventing/treating co-infections (e.g. TB, malaria, other STDs, parasitic infections)
- Topical microbicides
- ARVs as prevention
- Vaccines



The  
New England  
Journal of Medicine

Established in 1812 as THE NEW ENGLAND JOURNAL OF MEDICINE AND SURGERY

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VOLUME 359

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# **An HIV Vaccine – Challenges and Prospects**

Margaret I. Johnston, Ph.D. and Anthony S. Fauci, M.D.

# A Comprehensive HIV Prevention “Toolbox”

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