

1987

- New Yorkers form ACT UP to protest the \$10,000 per year cost of AZT. It adopts the motto "SILENCE=DEATH."
- The U.S. forbids immigration by people with HIV, a policy reversed in 2010 by President Obama.
- [L'AIDS: ce l'ha chi se lo va a cercare \(Donat-Cattin\)](#)



1988

- Protests by ACT UP shut down the FDA. Within a week, the FDA begins a "fast-track" policy allowing public access to lifesaving drugs still in clinical trials.
- People observe the **first World AIDS Day on Dec. 1.**

1991

# Annals of Internal Medicine

ESTABLISHED IN 1927 BY THE AMERICAN COLLEGE OF PHYSICIANS

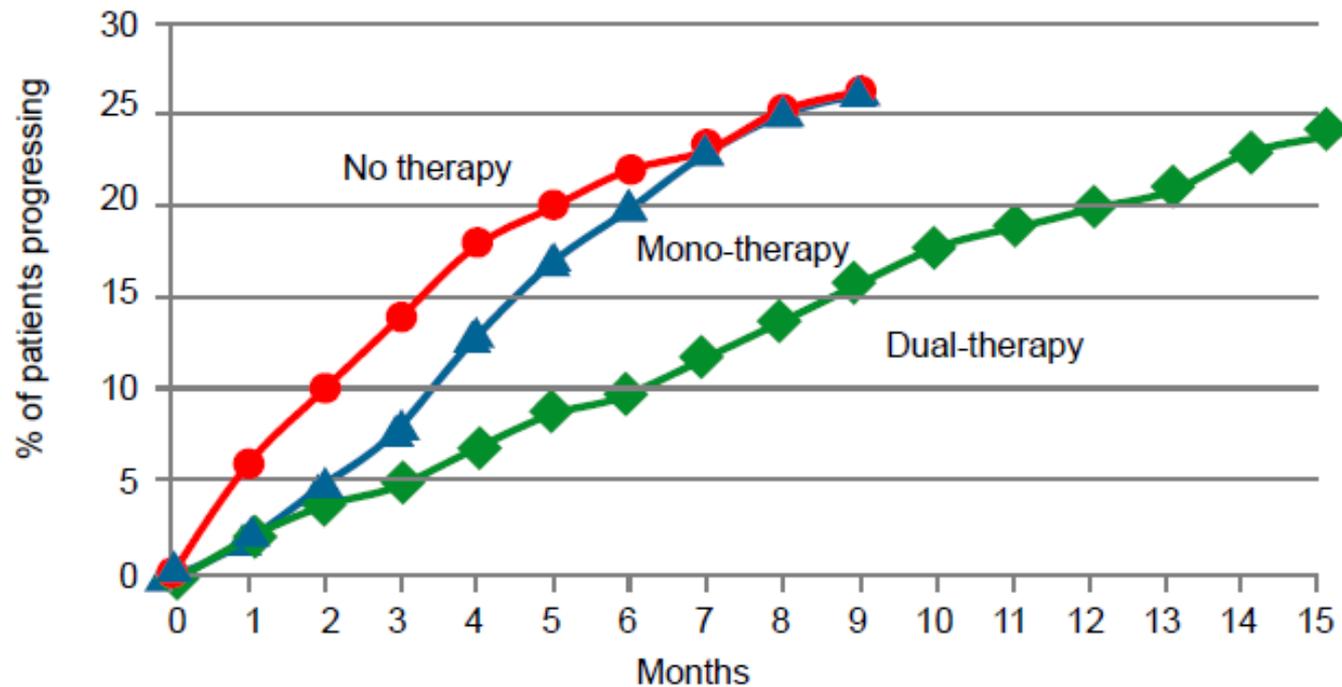
## Combination Therapy with Zidovudine and Didanosine Compared with Zidovudine Alone in HIV-1 Infection

Ann C. Collier, MD; Robert W. Coombs, MD, PhD; Margaret A. Fischl, MD; Paul R. Skolnik, MD; Donald Northfelt, MD; Paul Boutin, BS; Carol J. Hooper, MD; Lawrence D. Kaplan, MD; Paul A. Volberding, MD; L. Gray Davis, PhD; Denis R. Henrard, PhD; Stephen Weller, MS; and Lawrence Corey, MD

*Ann Intern Med.* 15 October 1993;119(8):786-793

**Conclusions:** Combination therapy with zidovudine and didanosine produced larger and more sustained increases in CD4+ cell counts, more frequent decreases in plasma HIV-1 RNA titers, and more stable hematologic status than zidovudine therapy alone.

# Progression to AIDS/death



JAMA 1998 & CMAJ 1999



## 1991-1992

- The **red ribbon** becomes a symbol of AIDS awareness.
- Athlete Magic Johnson announces he is HIV positive.
- Queen lead singer Freddie Mercury dies of AIDS.
- The FDA licenses the first **rapid HIV test**.



1993

- ACT UP and retailer Benetton put a giant condom on the Place de la Concorde in Paris.



1990 - Italy

## The Italian response to AIDS Epidemic

- **National Law and Government initiatives**
- **Surveillance and epidemiological data**
- **Prevention**
- **Health care models**
- **Research**

# Legge 5 giugno 1990, n. 135

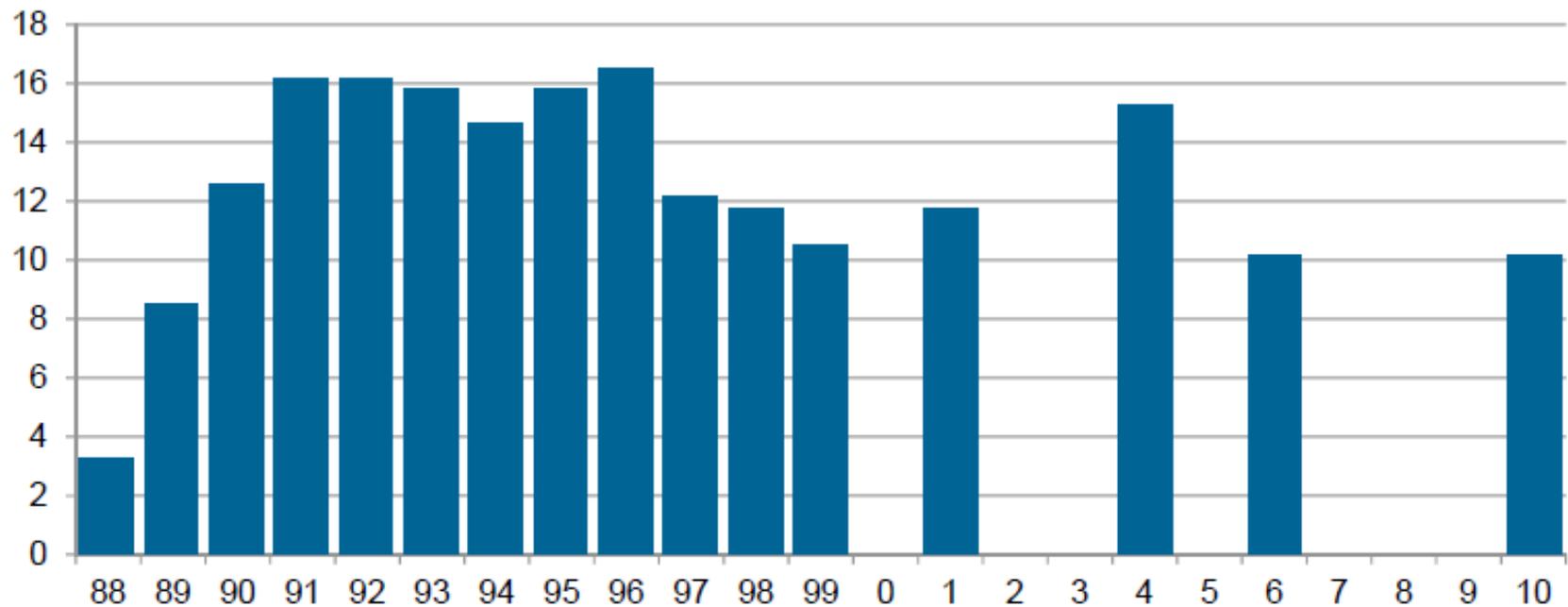
## Legge speciale per la lotta all'AIDS

### Piano degli interventi urgenti per la prevenzione e lotta all'AIDS

- Building of new hospital departments and labs for AIDS patients
- Professional courses for doctors, nurses
- Implementation of IVDU care and of STD care centers
- Implementation of Day Hospital services
- Employment of National Institute of Health personnel
- Employment of infectious diseases and lab doctors and nurses
- Observance of privacy
- Informed consent to HIV test
- No discrimination at workplace
- Research special budget

**BASED ON THE NETWORK OF INFECTIOUS DISEASES DEPTS**

# National AIDS research funding in Italy by year (million €)



# Italian observational studies on HIV

- ◆ **Penta Foundation** – Pediatric network
- ◆ **ICONA Foundation** – HIV adult naive
- ◆ **MaSTER** – HIV adult
- ◆ **ARCA** – resistance network
- ◆ **CISAI** – network toxicities



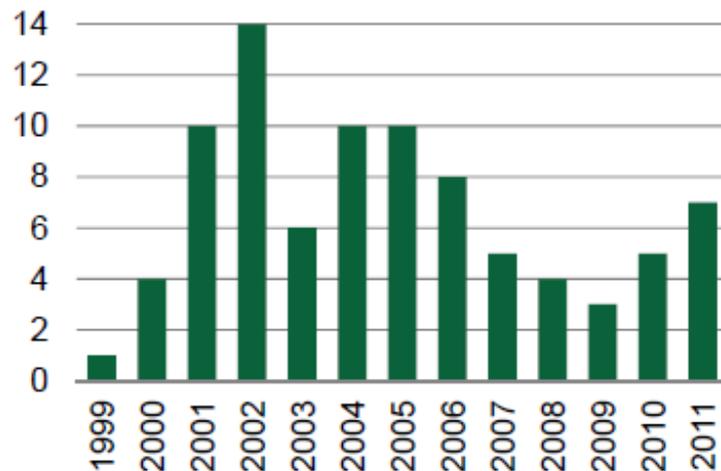
# ICONA Foundation: The Italian Cohort Naive Antiretrovirals



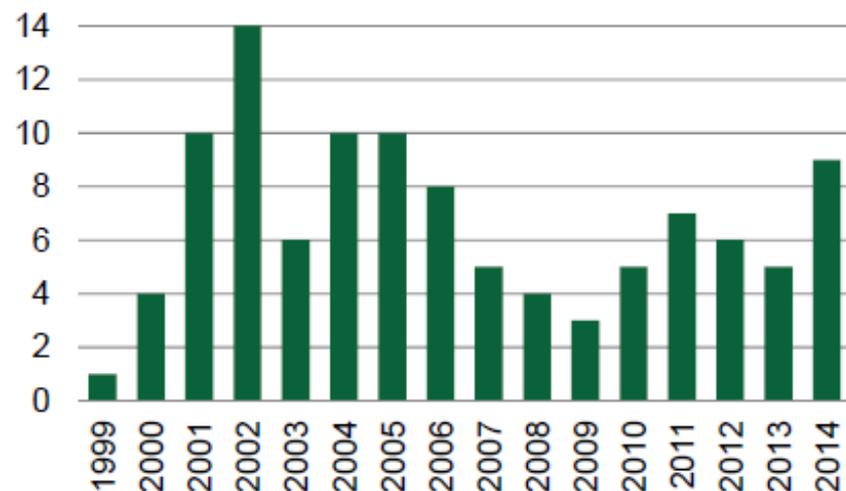
- April 1997: start up
- More than 40 centers across Italy
- 12616 naive pts enrolled till Dec 2014
- Biobank
- Inter-cohort international studies
  
- (D:A:D, CoDe, COHERE, EUROCoord, CHAIN, CASCADE, ART-CC)
- [www.icona.org](http://www.icona.org)
- [www.fondazioneicona.org](http://www.fondazioneicona.org)

# ICONA Foundation: The Italian Cohort Naive Antiretrovirals

ICONA papers in international Journals



ICONA papers from International collaborations



# MISI FOUNDATION MaSTER Cohort: managementStandardized of Antiretroviral Therapy

- April 1997 start up
- 8 clinical centres across italy
- 25690 enrolled patients

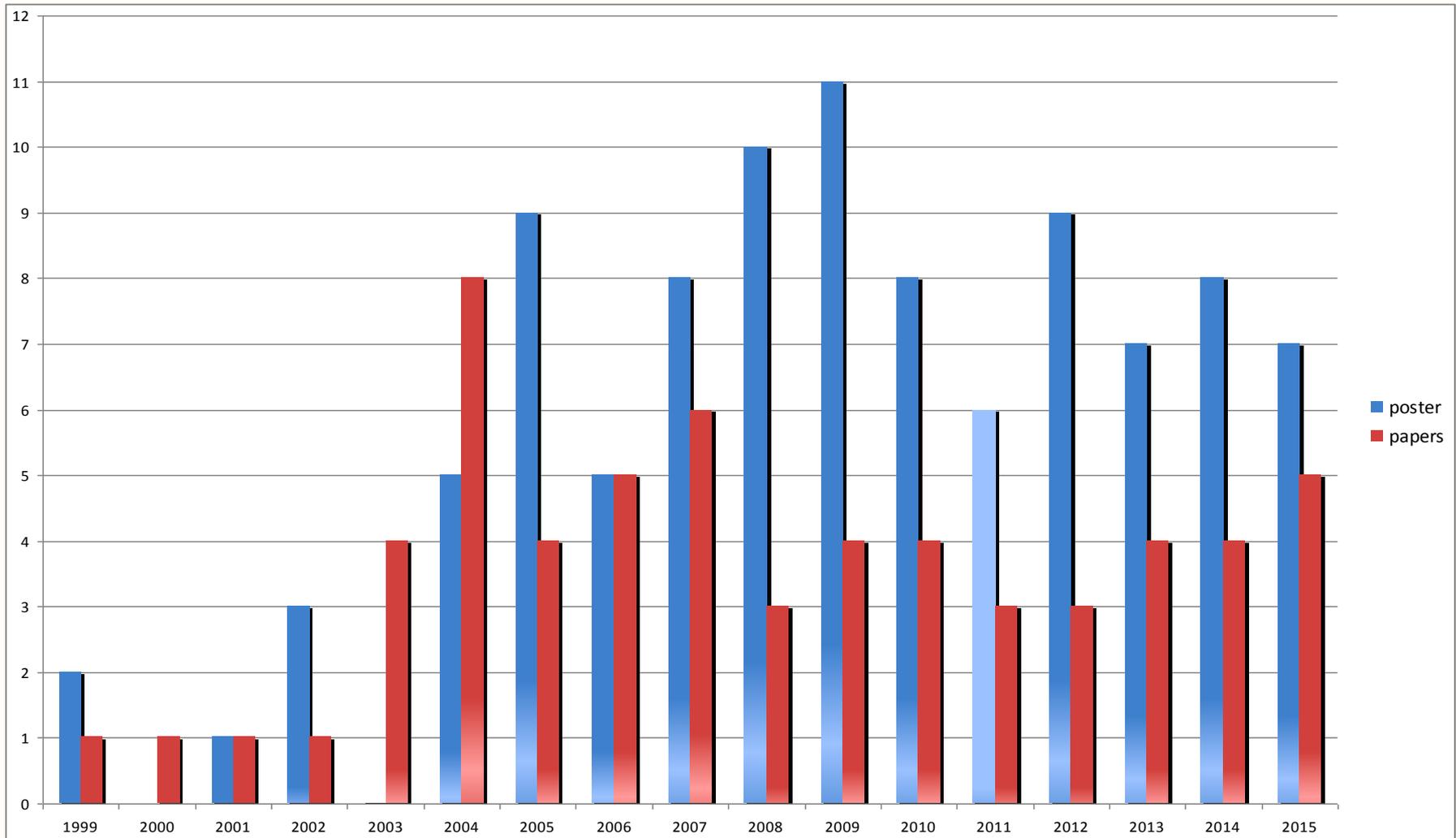
[Cohere](#)

[www.Misi.it](http://www.Misi.it)

[www.mastercohort.it](http://www.mastercohort.it)



## Ma.S.T.E.R. papers and posters in international journals and conferences

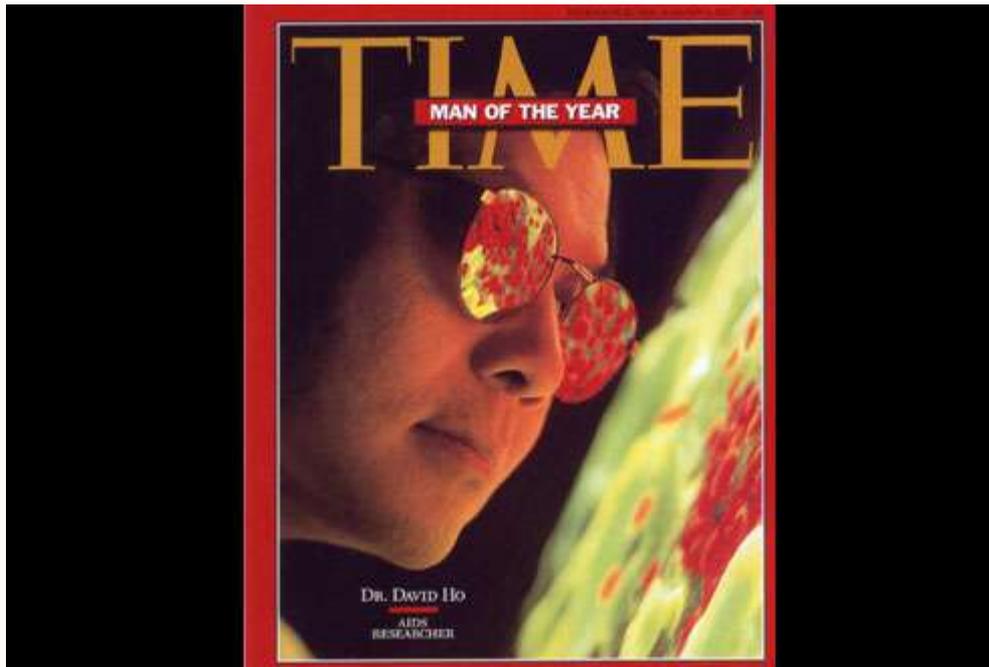


# 1996: the year of turning on

- HIV-RNA copy levels: the new prognostic marker
- Triple combination therapy: HAART

1996 XI- Vancouver

start of the HAART era



1996-1997

A treatment breakthrough: The AIDS drug cocktail -- highly active anti-retroviral therapy or **HAART** -- can cut the HIV viral load to almost invisible levels. Hope surges when AIDS researcher David Ho, MD, suggests treatment **may eliminate HIV** from the body. He's wrong -- it's later found that HIV can hide in cells -- but U.S. **AIDS deaths decline** by more than 40%



1998-2000

Awareness grows that HAART has **serious side effects**. Treatment failures highlight the need for newer, more powerful drugs. The FDA later approves new **classes of drugs** that make HIV treatment safer, easier, and more effective. But the drugs **do not cure AIDS**.