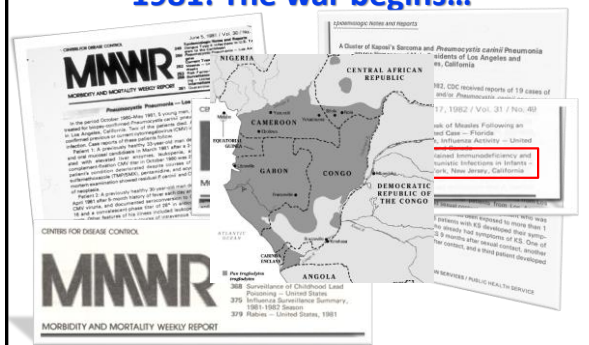




40 Years of the HIV Pandemic: Key Insights From the Panel

Constance A. Benson, MD, FACP, FIDSA
Professor of Medicine and Global Public Health
University of California, San Diego

1981: The war begins...

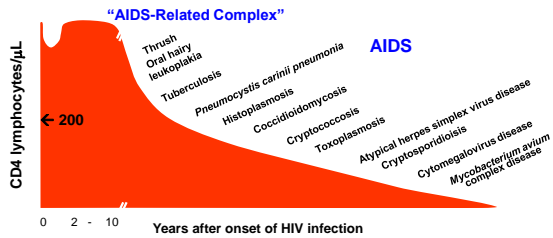


1984: The Clinical Prognosis for Persons with AIDS

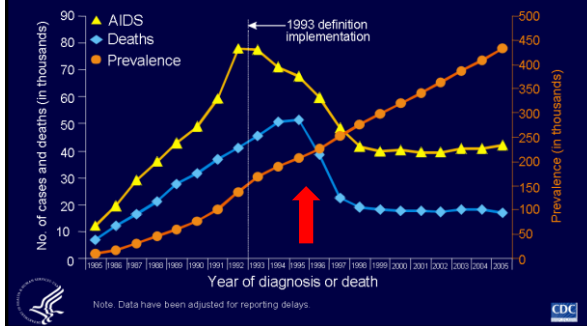
- Presenting with Kaposi's sarcoma
 - Median survival: 16.4 months
 - Two-year survival: 20%
- Presenting with *Pneumocystis carinii* pneumonia
 - Median survival: 6.4 months
 - Two-year survival: 0%

Natural History of HIV-1 Infection

Acute seroconversion



AIDS Cases, Deaths, and Persons Living with AIDS, 1985–2005—United States and Dependent Areas







The Combination Prevention Toolbox

- HIV testing and knowledge of serostatus
- Counseling on risk reduction, disclosure and partner notification
- Screening and treatment of STIs
- Needle exchange
- Voluntary male circumcision
- Individual barrier protection (condoms, microbicides)
- Pre-exposure prophylaxis, including PMTCT
- Post-exposure prophylaxis
- Antiretroviral therapy

Our Distinguished Panel

40 years of experience!

Concluding Remarks

We are not finished....

- Treatment (38 million people living with HIV)
 - Optimize regimens for all; reduce costs; continue new drug development; expand treatment access and address the cascade of care
 - Control/prevent TB, hepatitis, opportunistic diseases, non-communicable complications of HIV and its therapies
- Prevention
 - Universal test and treat
 - Treatment as Prevention (TASP)
 - Vaccines – the promise of broadly neutralizing Ab approaches
- Cure – Research marches on

A war on complacency...

"We must remain fully committed to the efforts to consolidate the gains we have made. The major reductions in morbidity and mortality we have seen have led to a sense of complacency about HIV prevention and to a loss of interest in continuing to improve the quality and the expansion of treatment efforts. If treatment programs are neglected, HIV-related morbidity and mortality will inevitably increase, drug resistant viruses will emerge, and it will be the early days once again."
