









"What can I say? The medicines are eloquent enough. What they have done for me is amazing. Everyone was shocked when I went home for Christmas. I was so sick before I started treatment. I was skinny, and the medicines made me big again. I was so weak I could not walk, and now look at me."

## Lessons learnt

## Miracles do happen!









Correspondence and requests for materials should be addressed to W.H.R.M. (email: miltner@biopsy. uni-jena.de).	1999. Nature
Origin of HIV-1 in the chimpanzee <i>Pan troglodytes troglodytes</i>	
Feng Gao*, Elizabeth Bailes†, David L. Robertson≑, Yalu Chen*, Cynthia M. Rodenburg*, Scott F. Michael*§, Larry B. Cumminsll, Larry O. Arthur5, Martine Peeters#, George M. Shaw* <sup>#</sup> , Paul M. Sharp† & Beatrice H. Hahn*	
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The human AIDS viruses human immunodeficiency virus type 1 (HIV-1) and type 2 (HIV-2) represent cross-species (zoonotic) infections <sup>1-4</sup> . Although the primate reservoir of HIV-2 has been clearly identified as the sooty mangabey ( <i>Cercocebus atys</i> ) <sup>2,4-7</sup> , the origin of HIV-1 remains uncertain. Viruses related to HIV-1 have	

































## **HIV origins**

- 1. An infection blood
- 2. T<sub>4</sub> cells  $\downarrow$  retrovirus













































































"The time has come to close the book on infectious diseases. We have basically wiped out infection in the United States"

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