





Elephants 'dance' to rave music played instruments and use hula-hoops after training with painful bullhooks.









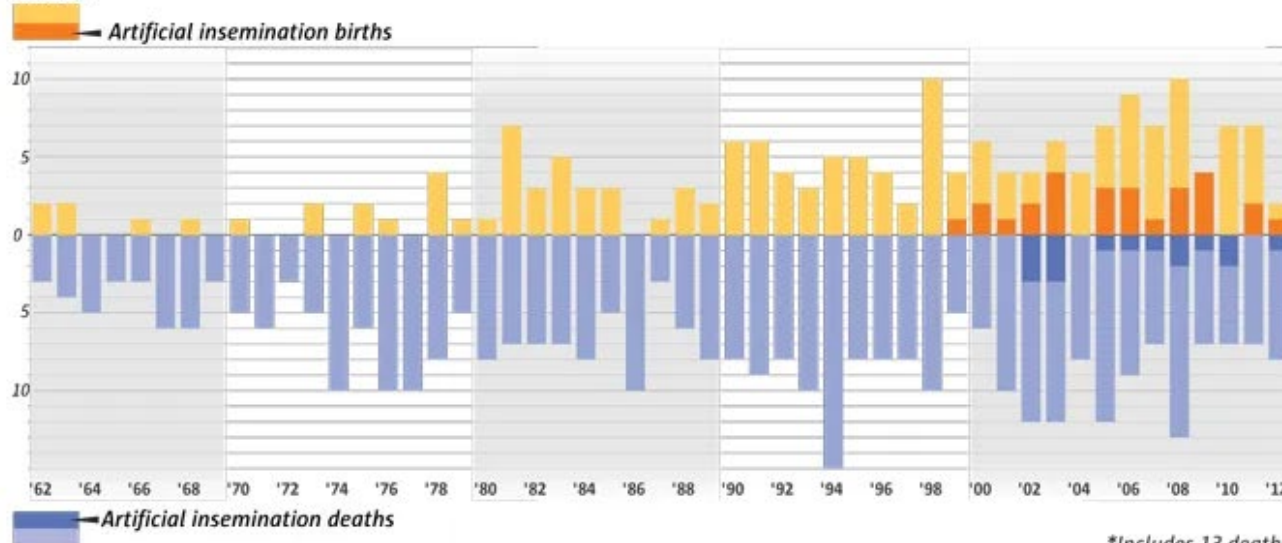


Zoo elephants: 50 years of life and death

Over the past 50 years, elephant deaths in U.S. zoos have outstripped births by a ratio of 2-to-1. Zoos have tried to replenish the ranks of captive elephants

with an aggressive artificial-insemination program, but results have been inadequate.

BIRTHS



DEATHS

Source: Association of Zoos and Aquariums, October 2012

TOTAL ARTIFICIAL INSEMINATION BIRTHS: 27



54% of successful artificial inseminations have resulted in miscarriages, stillborn births or premature deaths.

TOTAL BIRTHS 170



*Includes 13 deaths since 1962 in which the year is unknown

Research and reporting by MICHAEL J. BERENS

Graphics by MARK NOWLIN / THE SEATTLE TIMES