

**Dairy Cattle Reproductive Council
Conference
Denver, Colorado – 2006**

**Synchronization Strategies to
Facilitate Artificial Insemination in
Lactating Dairy Cows**

Jeffrey S. Stevenson, Ph.D.



*Department of Animal
Sciences and Industry*

Objective

Maximize number of pregnancies achieved each week!

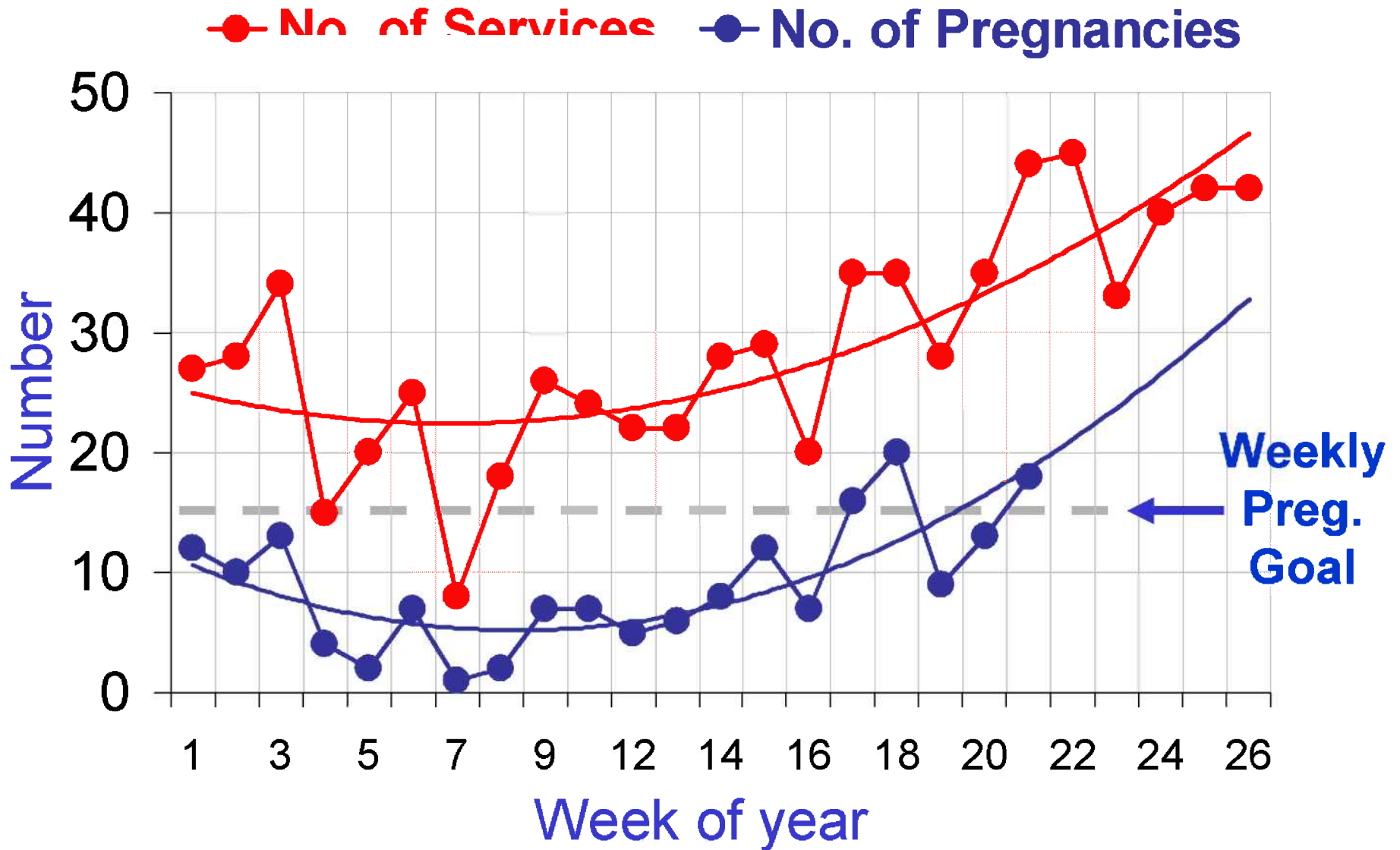
$PR = SR \times CR$

Example:

Herd #1: $PR = 50\% SR \times 30\% CR = \underline{15\%}$

Herd #2: $PR = 70\% SR \times 30\% CR = \underline{21\%}$

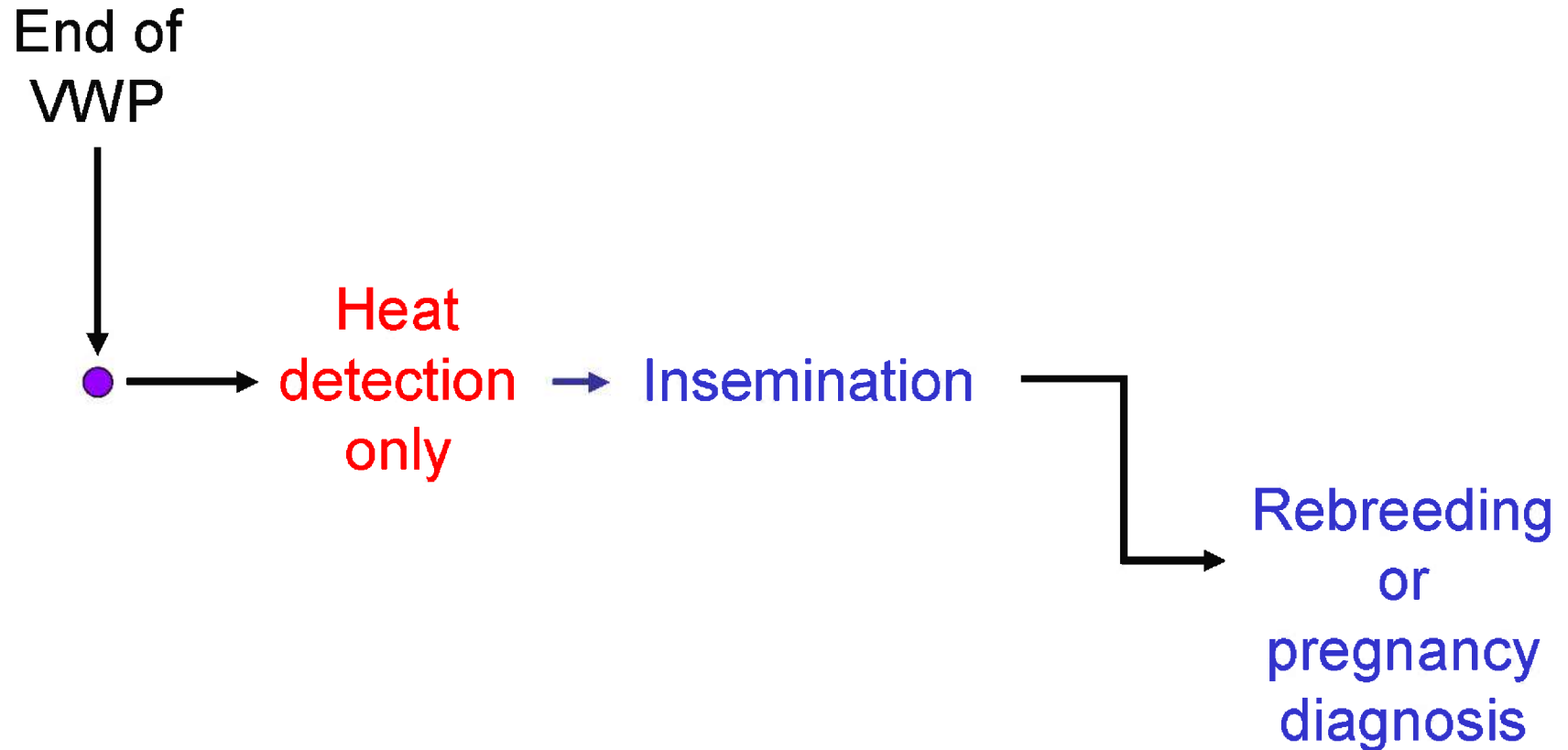
No. of Services and Pregnancies



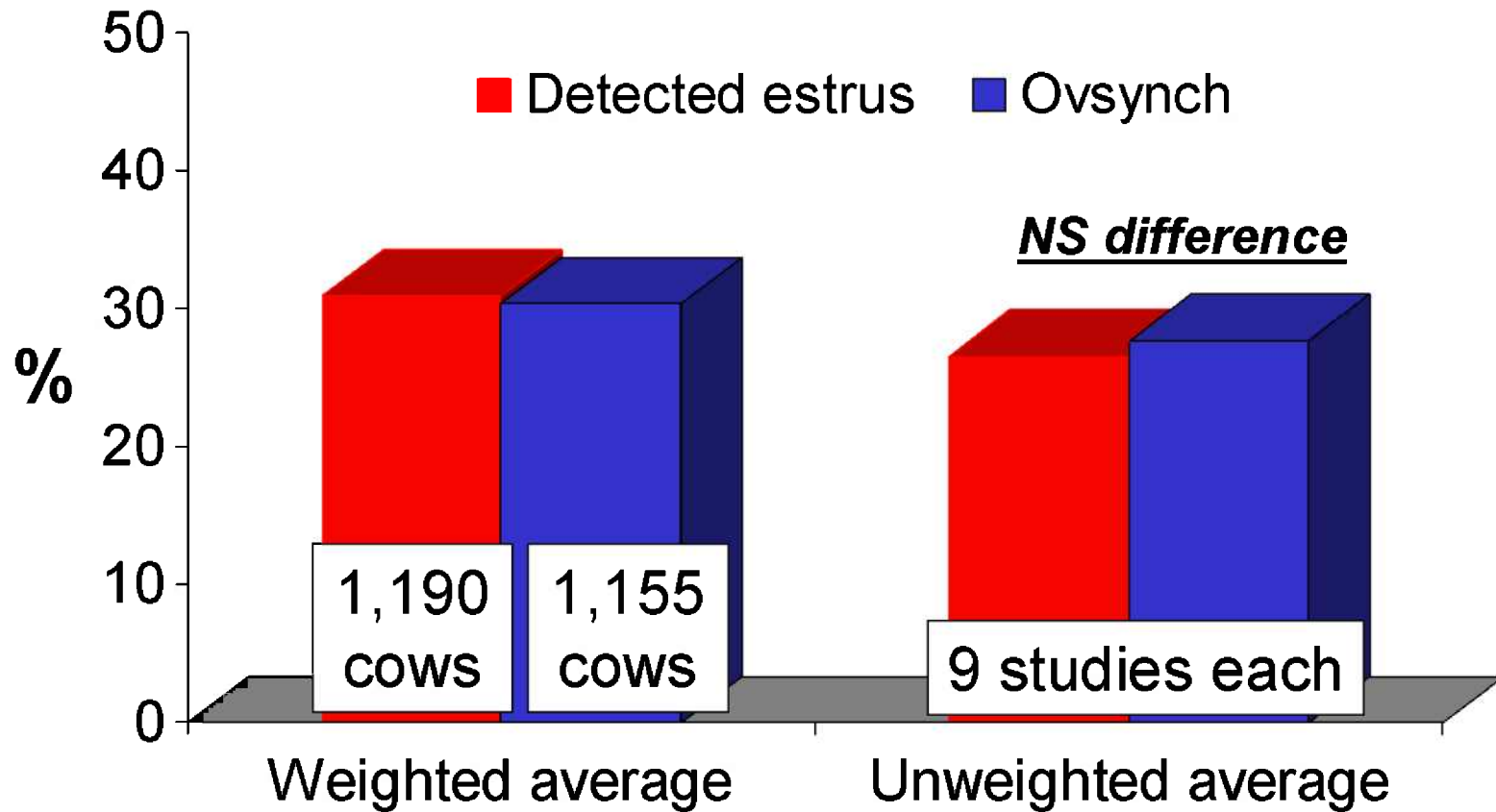
Estrus-Detection Programs

**No hormonal
intervention**

First Service Options



Pregnancy Rates (Table 1)



Adapted from Rabiee et al. (2005)

