

# The Uppsala Biostatistical landscape in the 2000's

*-an outsourcing perspective*

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# Outline of talk

- Situation within Biostatistics in Uppsala in the mid 90's
- Consequences of the closedown of Pharmacia in 1998
- The “post-Pharmacia” period up to today
- Something about the future

# Companies/organizations with employed Biostatisticians in Uppsala 1995

**PHARMACIA**

**PHARMACIA** *Diagnostics*

\*

PMC

ROC



CDC

\*Today: **Phadia**

# The closedown of Pharmacia in Uppsala in 1998: where did the employed Biostatisticians go to?

 **QUINTILES®**

AstraZeneca 

**PHARMACIA**

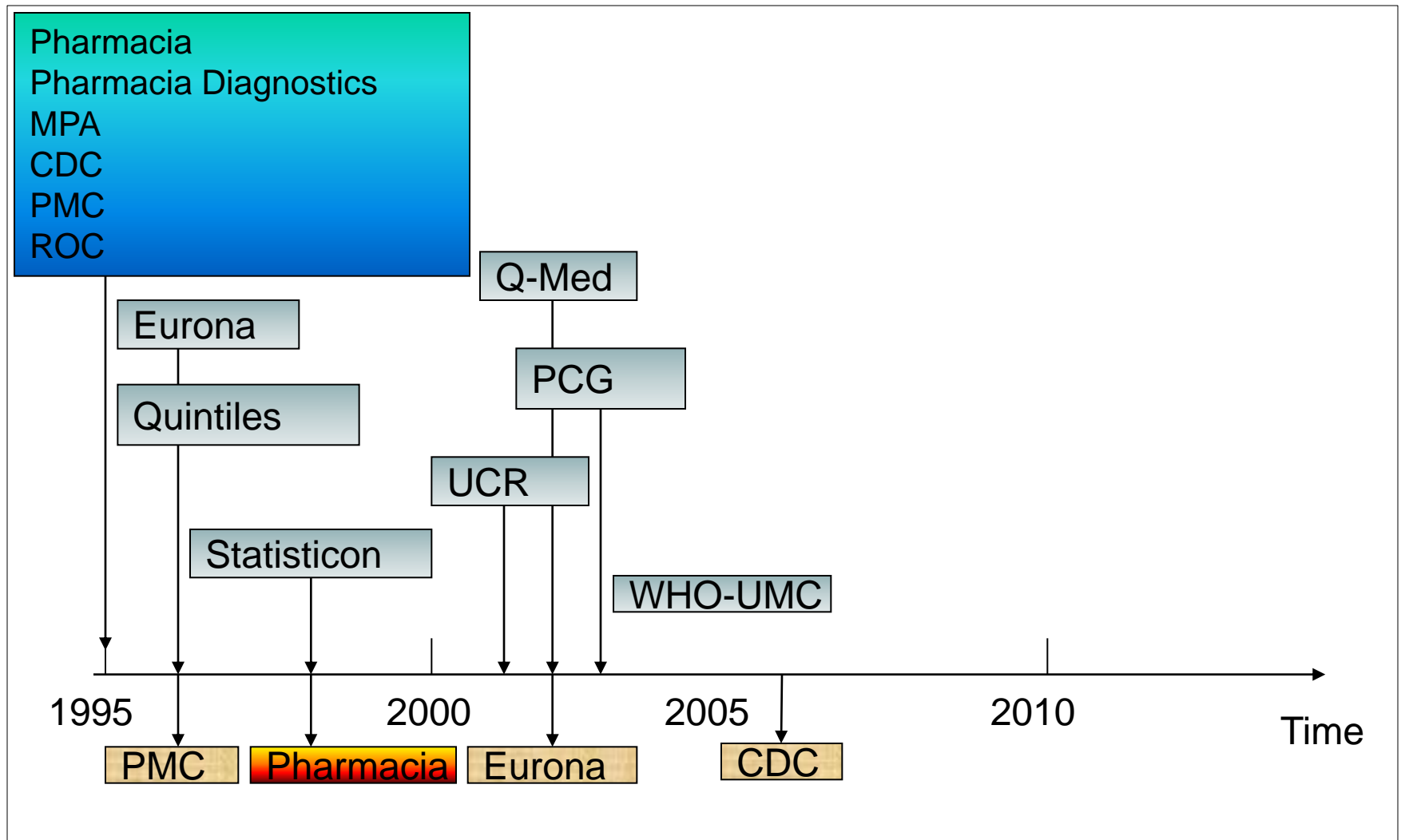
Other

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Note 1: Pharmacia Diagnostics not affected by closedown of Pharmacia.

Note 2: Slide illustrates situation around year 2000.

# Major companies/organizations with employed Biostatisticians in Uppsala 1995-2010



# Questionnaire sent to:

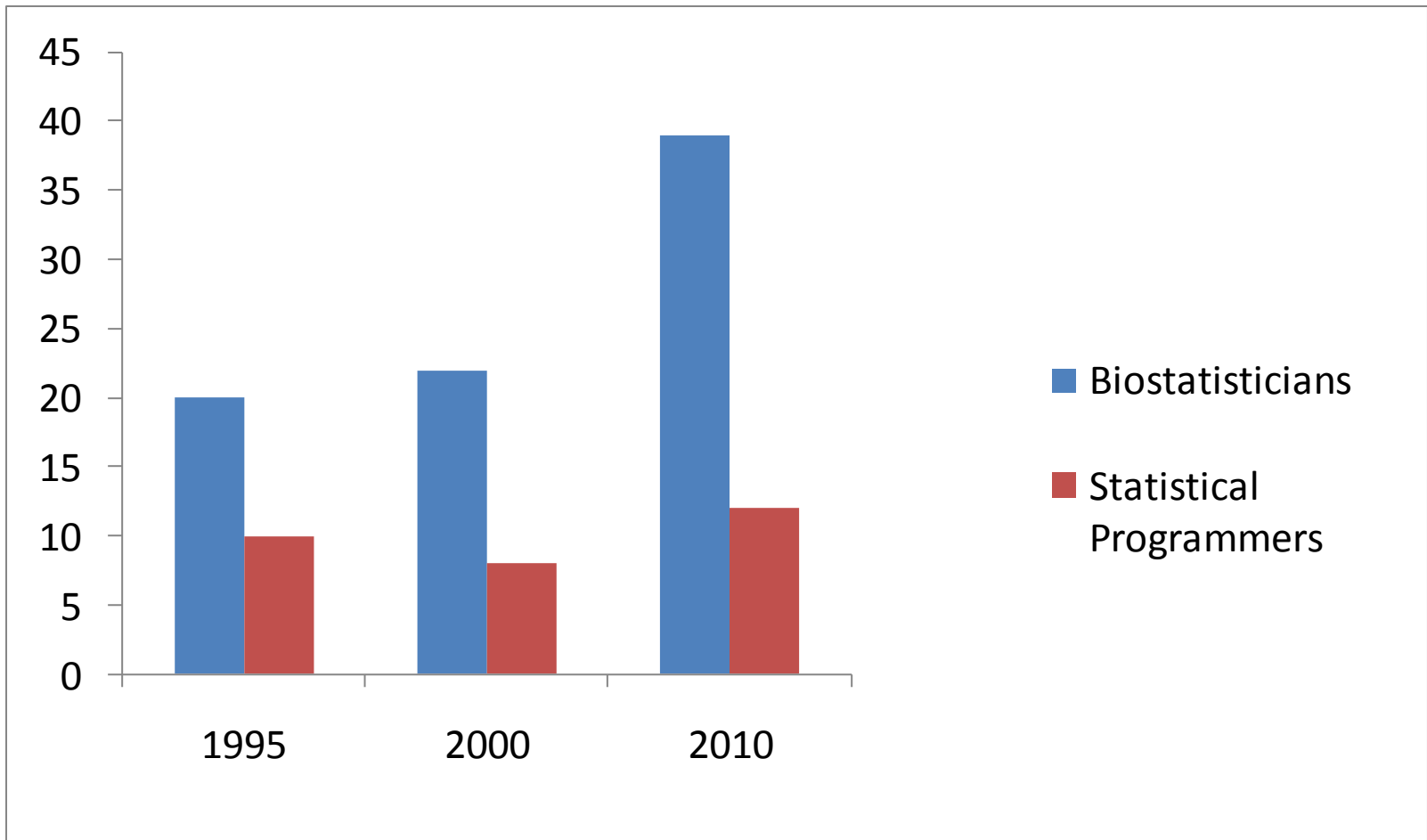
## CRO

- UCR, Statisticon, PCG, Quintiles

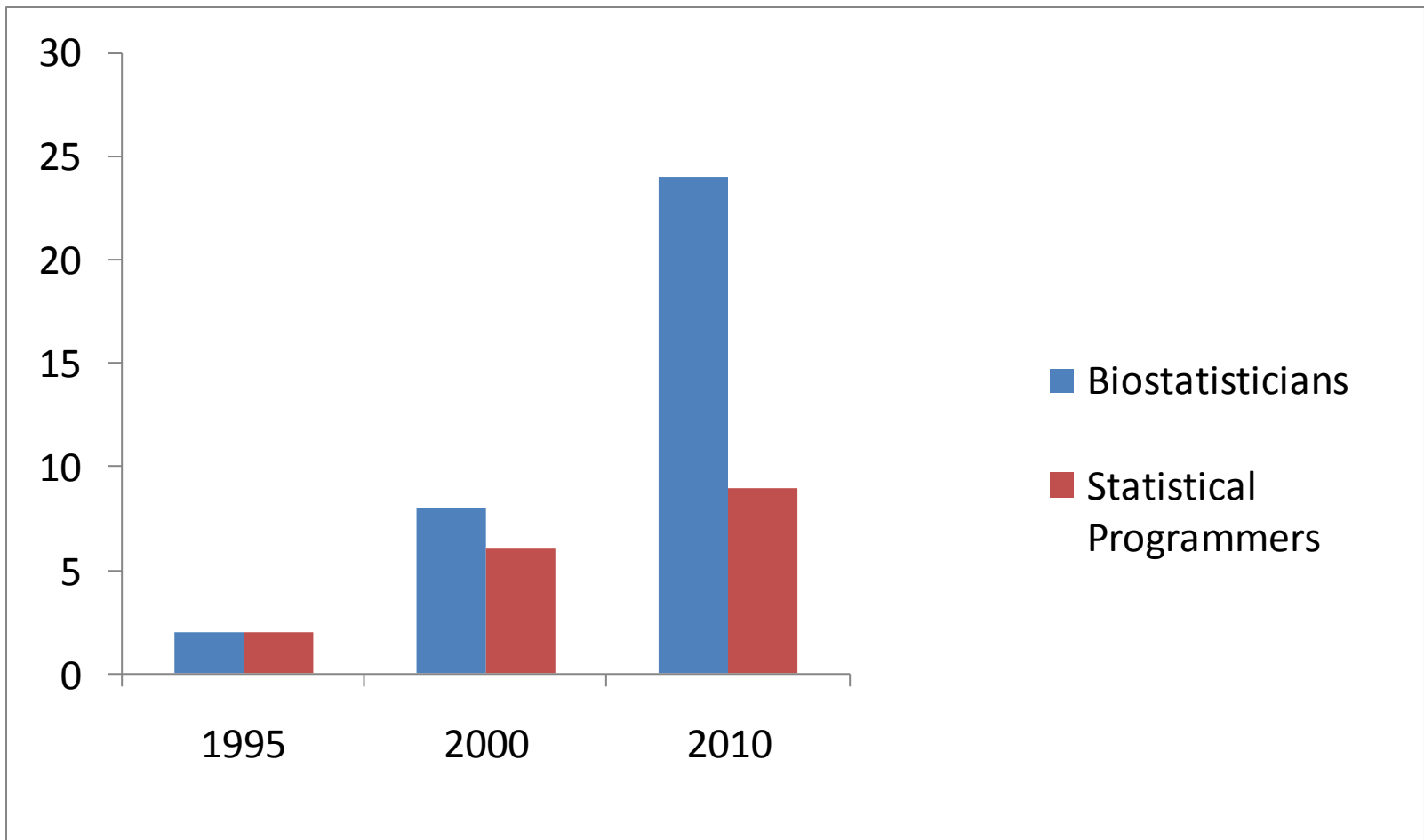
## Pharma/Biotech/Other

- Phadia, Q-Med, ROC, WHO-UMC

# Estimate of Number of Biostatisticians and Statistical programmers in Uppsala



# Estimate of Number of CRO Biostatisticians and Statistical programmers in Uppsala





# Major companies/organizations with employed Biostatisticians in Uppsala 2010

- 1) **UCR**
- 2) **Statisticon**
- 3) Phadia
- 4) **Quintiles**
- 5) ROC
- 6) **PCG**
- 7) MPA
- 8) WHO-UMC
- 9) Q-Med

**Bold=CRO**

# Estimate of today's Work Load



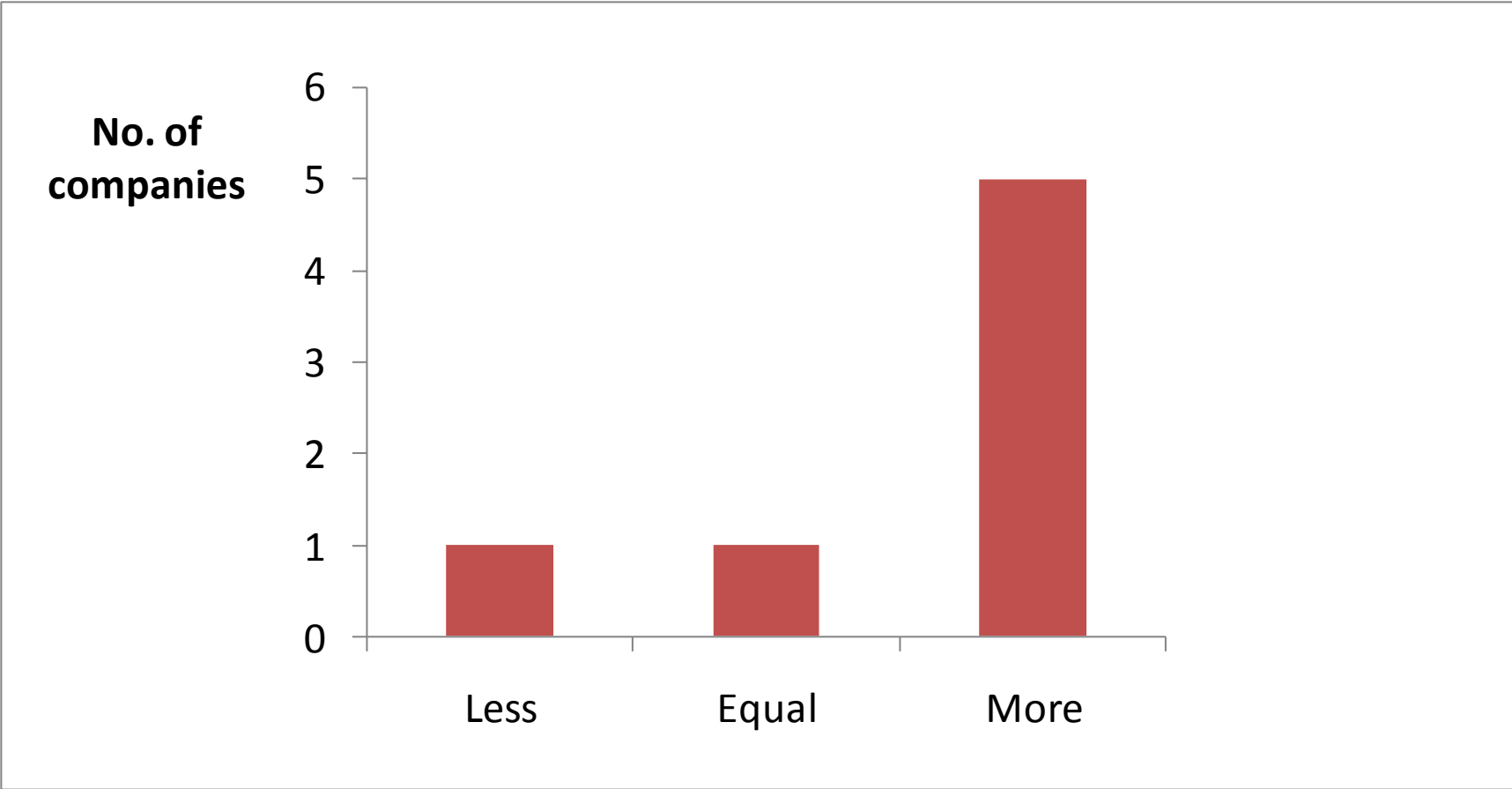
# Expansion plans for the next 12 months

- $\approx$  7 FTE Biostatisticians
- $\approx$  5 FTE Statistical Programmers

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Note that this estimate in growth are within CRO companies ONLY

# Level of Outsourcing seen in 2010 compared to 2000



# Does outsourcing look different 2010 compared to 2000?

- More specialized outsourcing.
- Yes, more is outsourced. More from small companies.
- Yes, strong increase in outsourcing due to strategic reasons. Difficult to find the right competency and variability of resource need over time drives this.
- Yes, more is outsourced.
- Yes. Both small and large companies outsource, an increase seen in the latter.
- No/not relevant: 2
- Missing: 1

# Conclusions

- The closedown of Pharmacia did not lead to Biostatistical unemployment
- The Biostatisticians moved to other companies employing Biostatisticians, mostly to CRO companies
- Uppsala Biostatistical landscape is now dominated by companies providing Biostatistical services
- The trend is that this pattern will be even more pronounced in the future