

Interest of dose banding in preparation of 5-FU infusors in ambulatory care

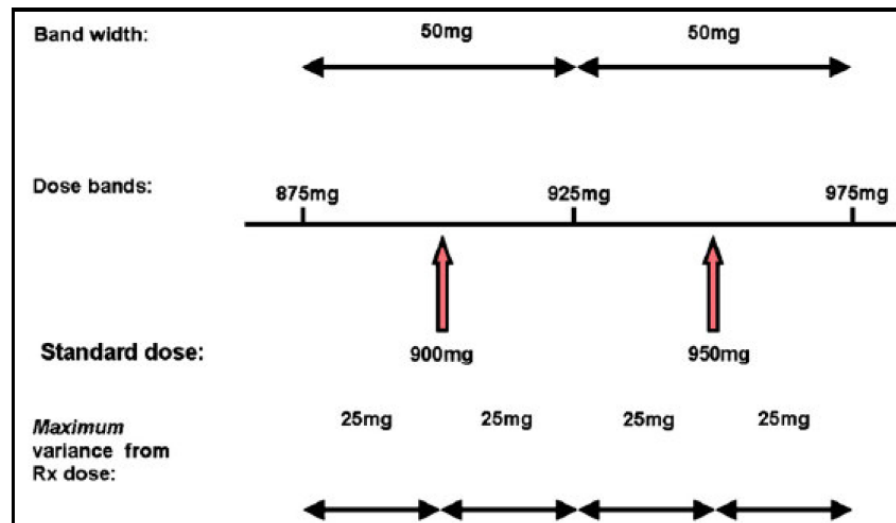
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Definition of dose banding



A system whereby, through agreement between prescribers and pharmacists, doses of intravenous cytotoxic drugs **calculated on an individualised basis** that are within defined ranges, or bands, are rounded up or down to **predetermined standard doses**.

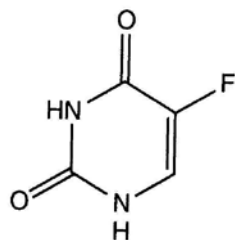


Plumridge R, Sewell G. *Am J Health Syst Pharm.* 2001

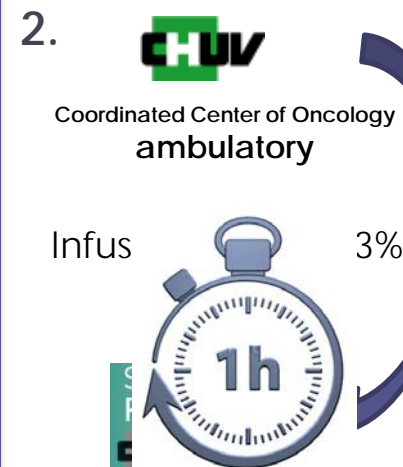
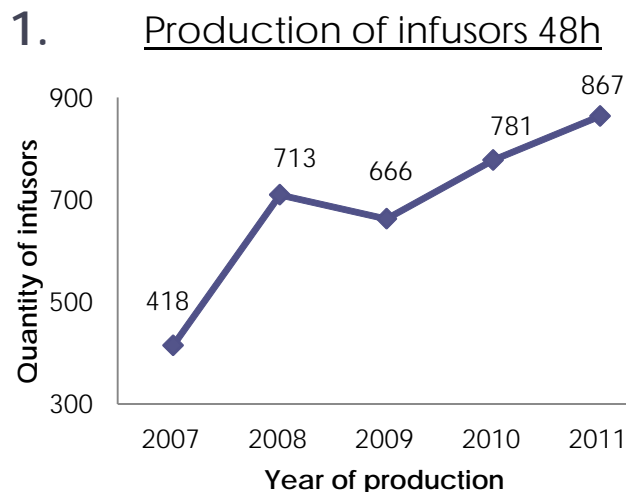
Facts & Aims of the study



F
A
C
T
S



Stability 30 days



RATIONALISATION OF PRODUCTION WITH THE DOSE BANDING?

A
I
M
S

A better **organisation** at the pharmacy unit

To improve **deadlines** for infusor's delivery

A decrease of infusor **returns**

1

Feasibility study

1.1

Retrospective analysis of 2010's production

1.2

Presentation of the concept to the medical staff

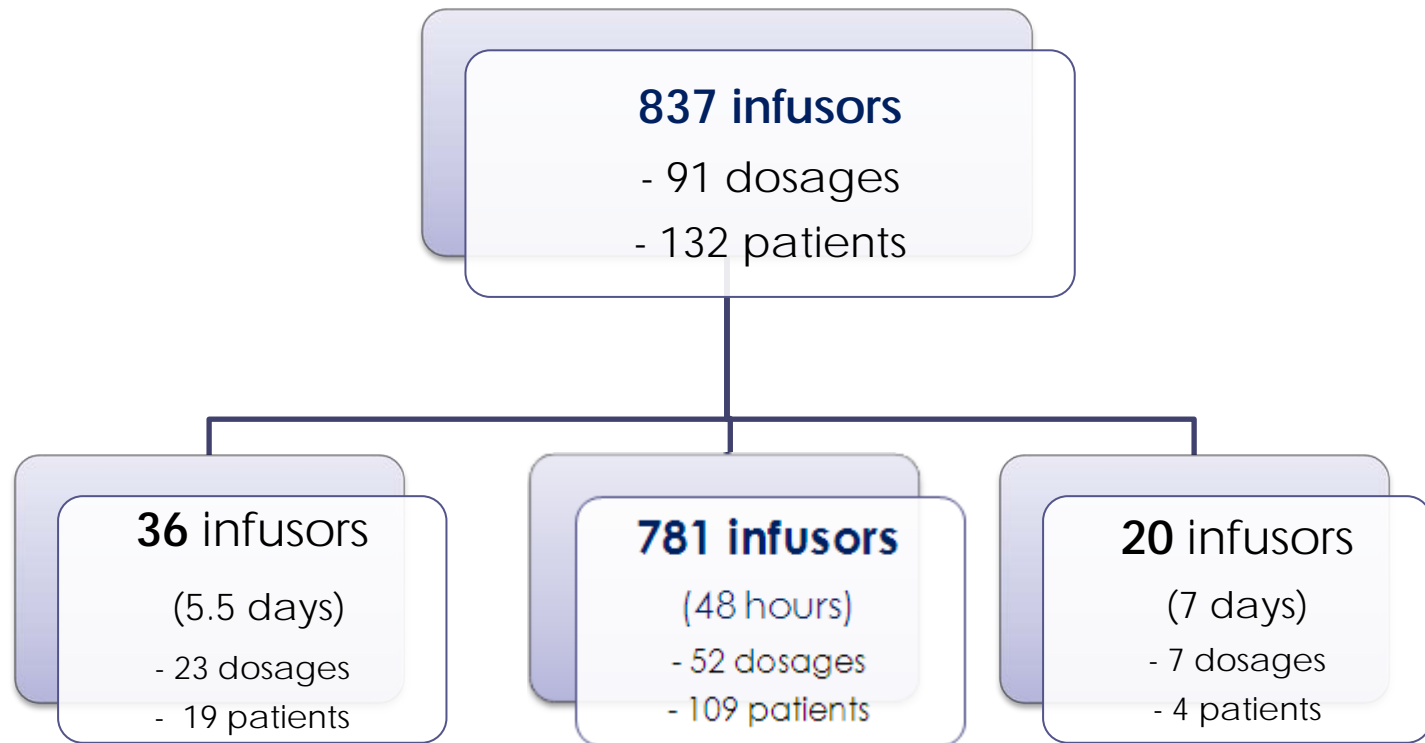
1.3

Selection of standardised dosage

2

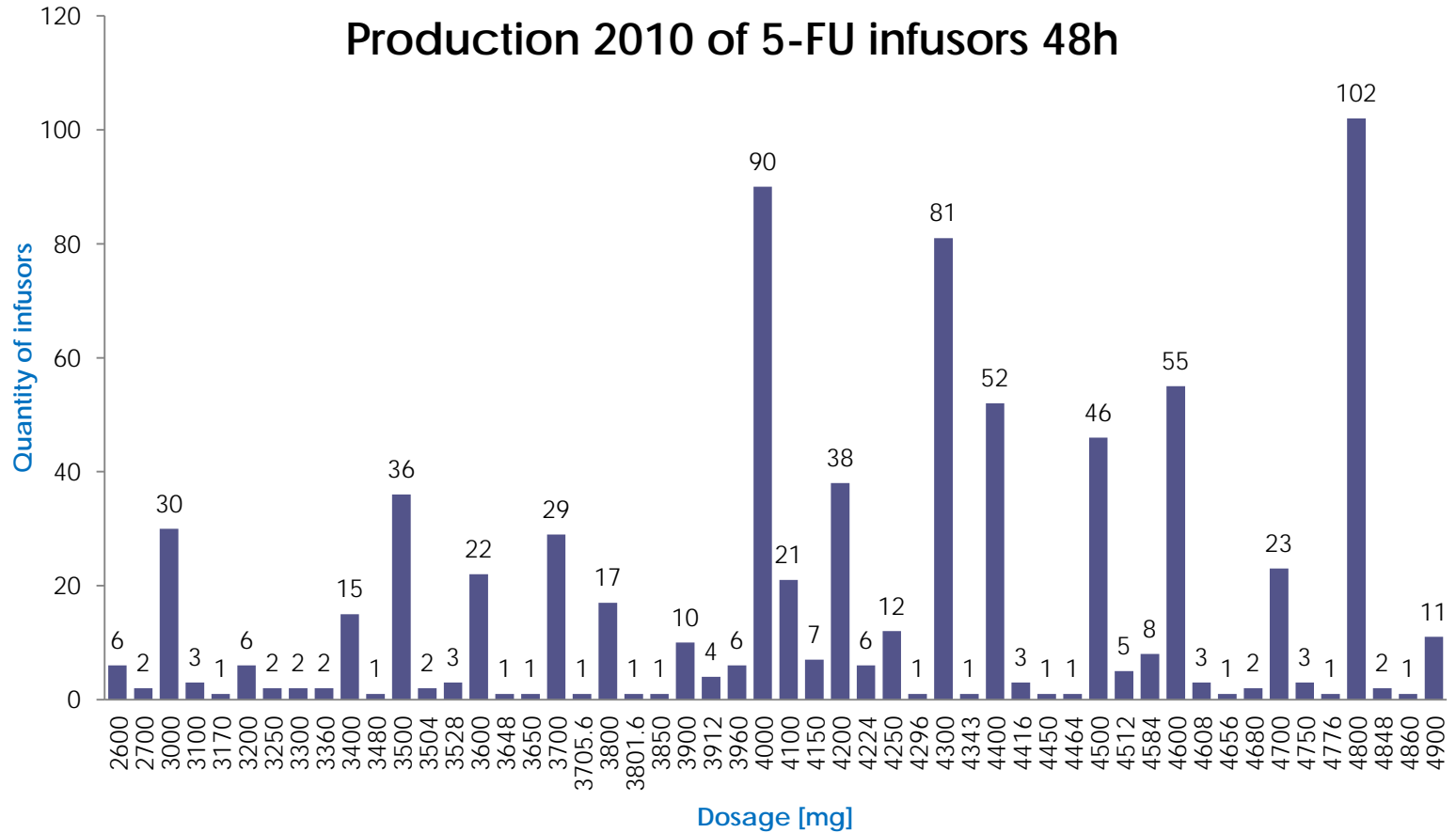
Implementation of dose banding

Retrospective analysis



Retrospective analysis

N=781



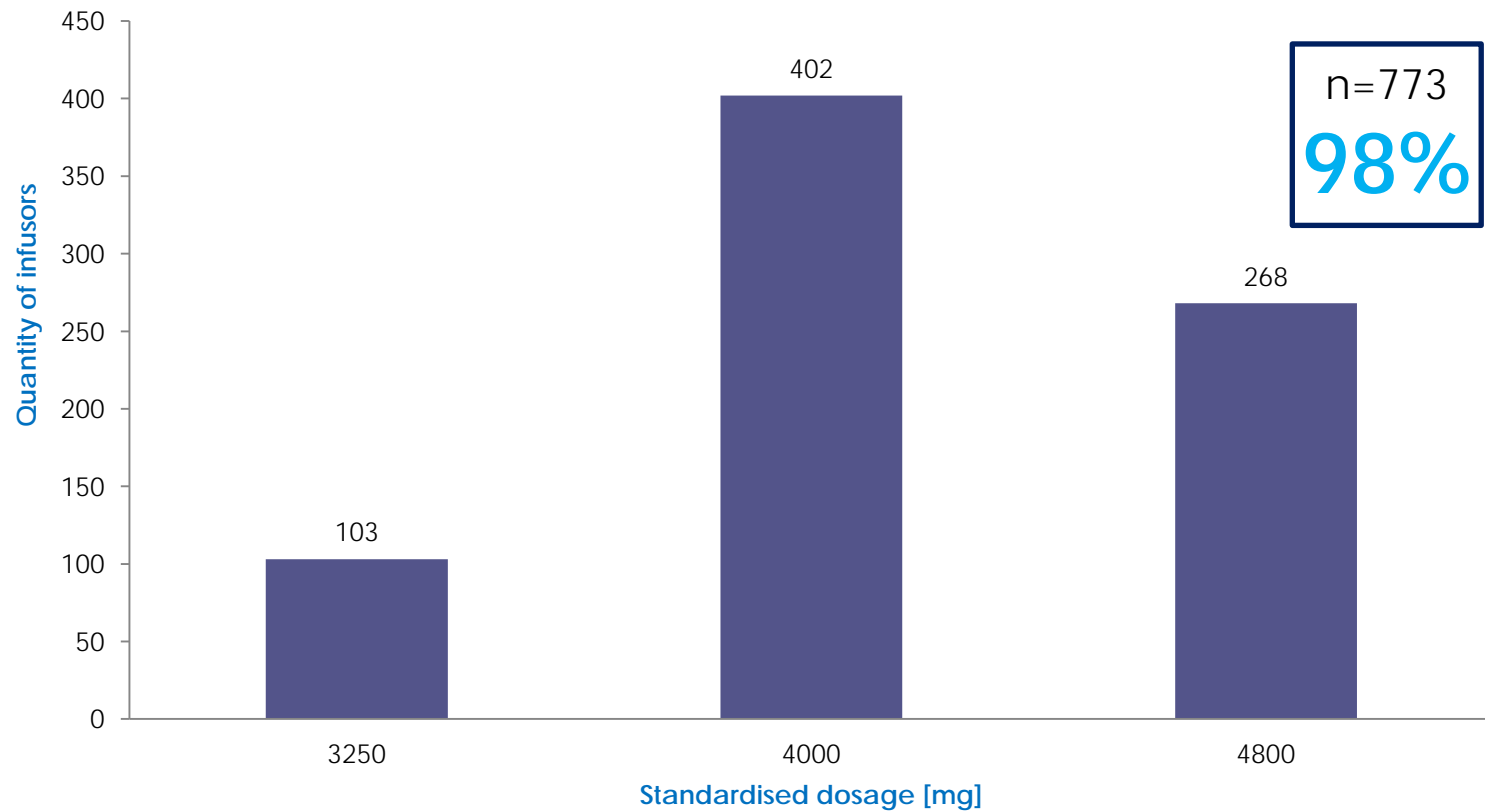
= 52 dosages

Retrospective analysis

N=781



Dose banding with an interval of +/- 10%

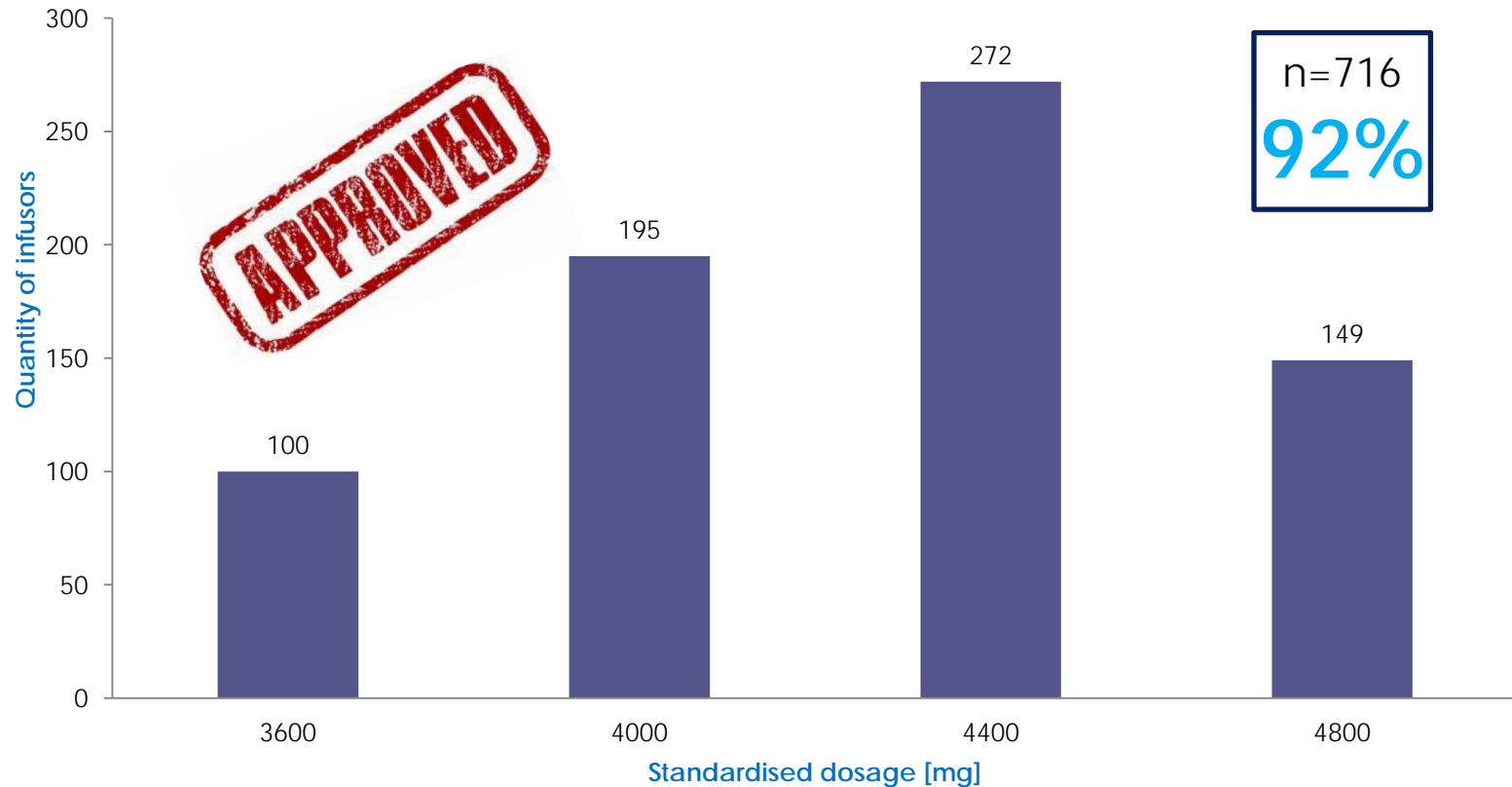


Retrospective analysis

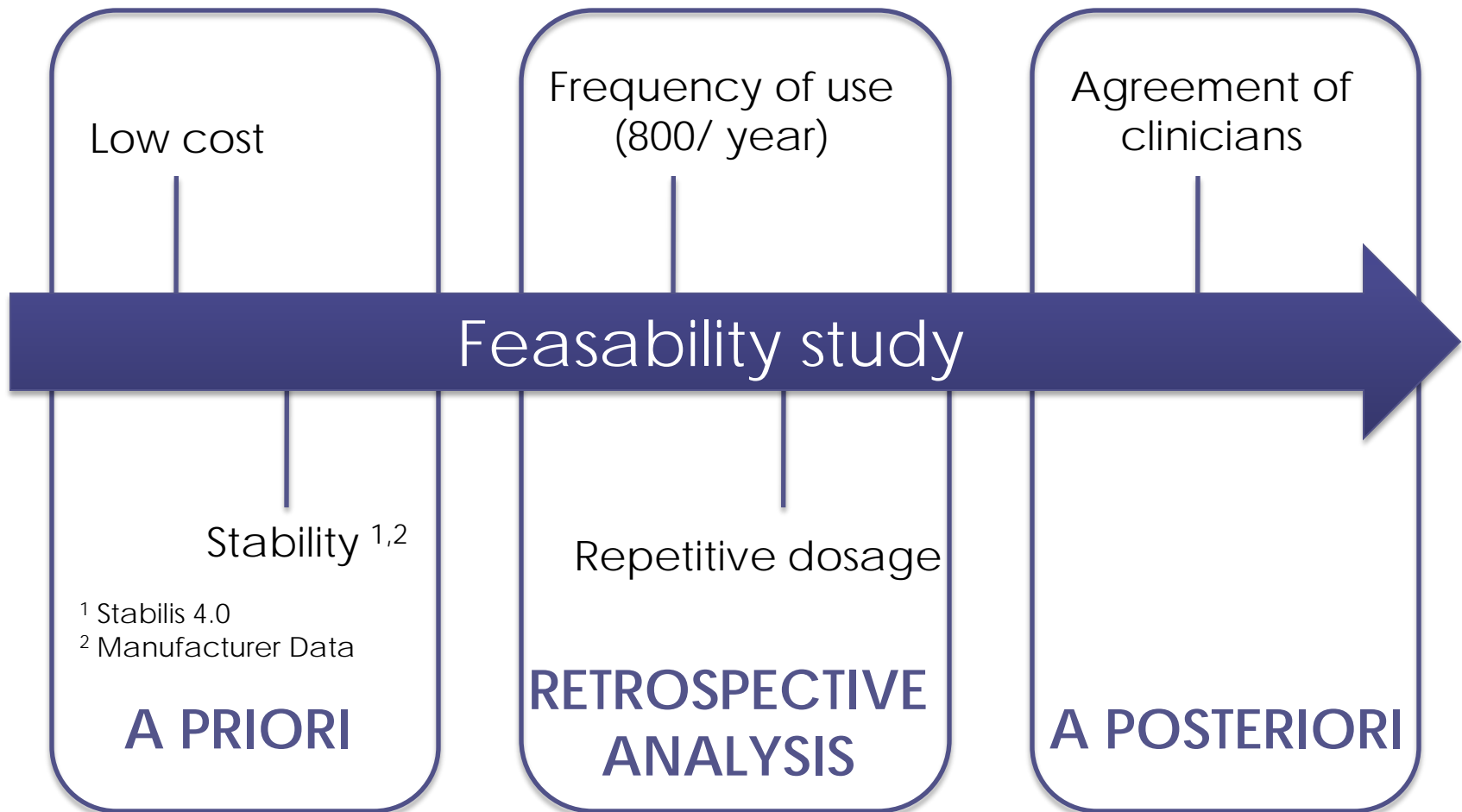
N=781



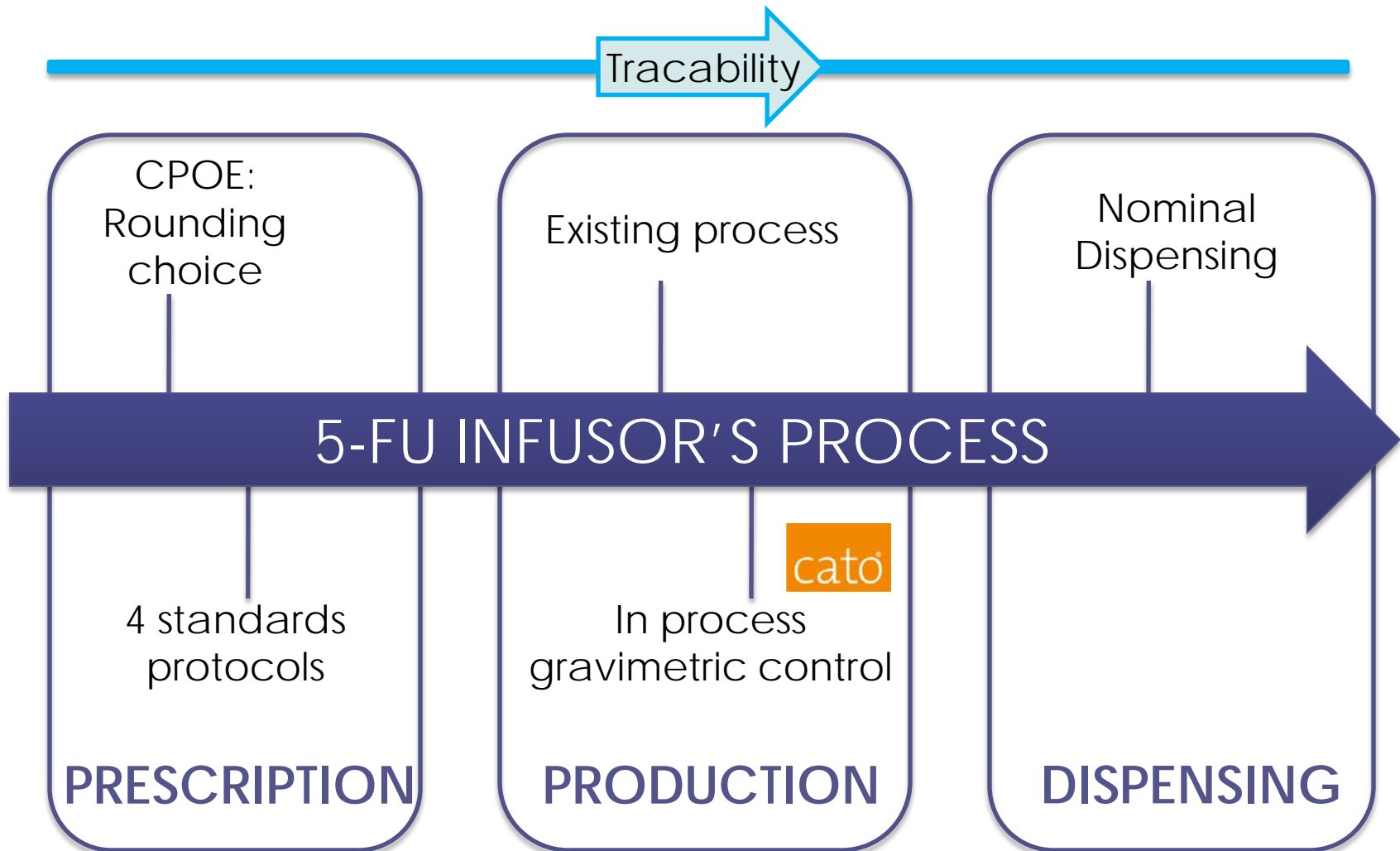
Dose banding with an interval of $\pm 5\%$



Feasibility study of standardisation of doses



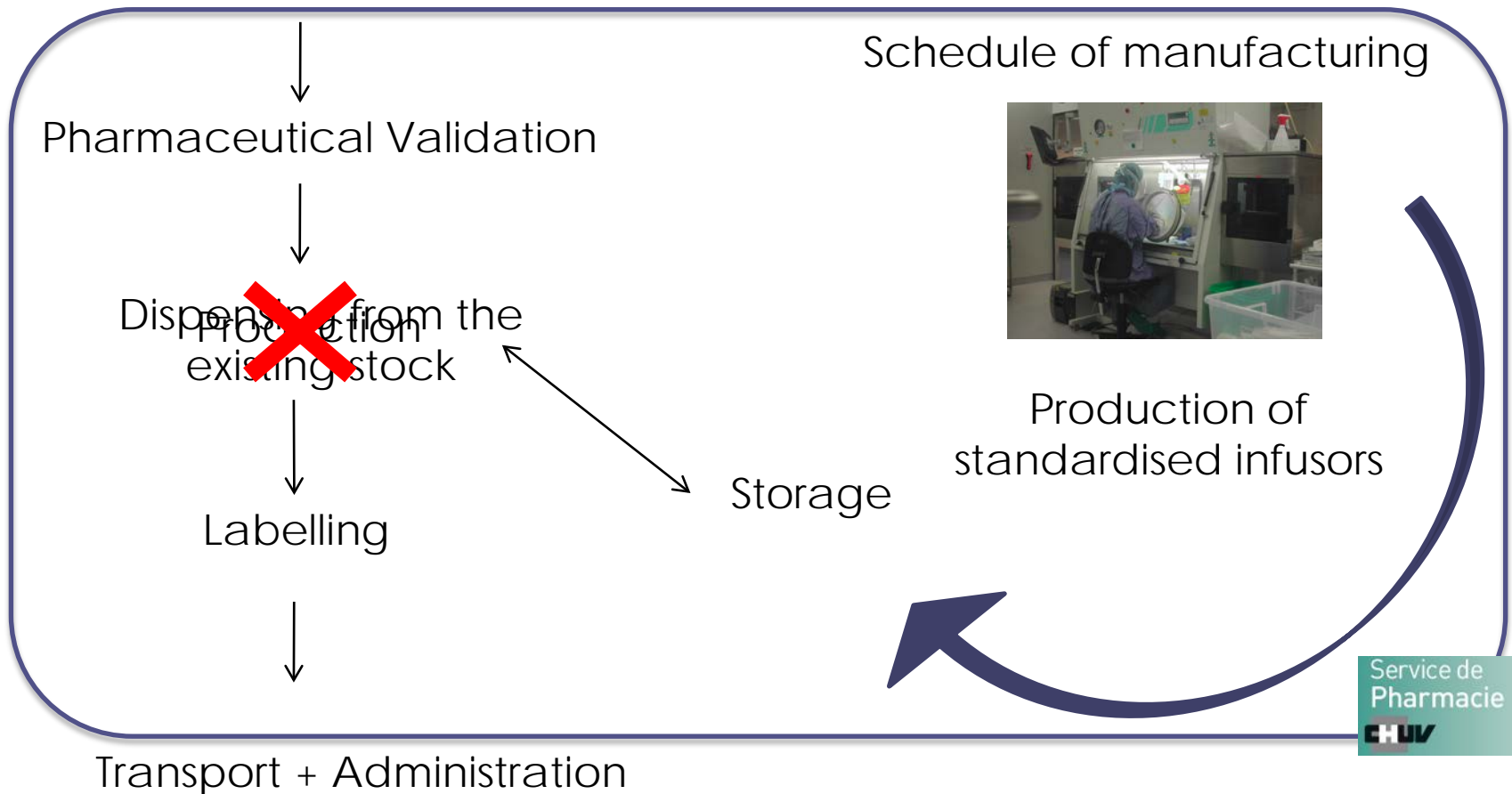
Implementation of dose banding



Implementation of dose banding



Computerised prescription (CPOE)

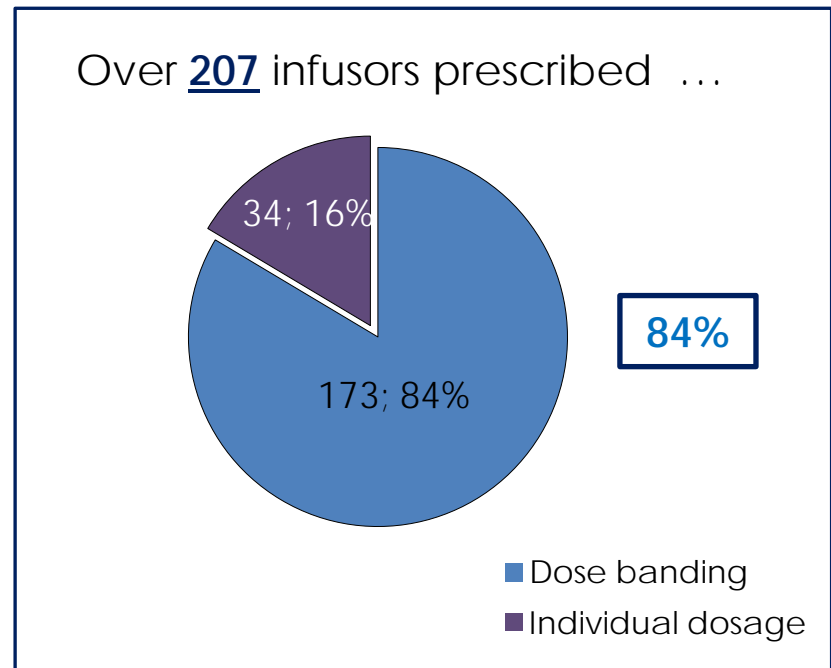
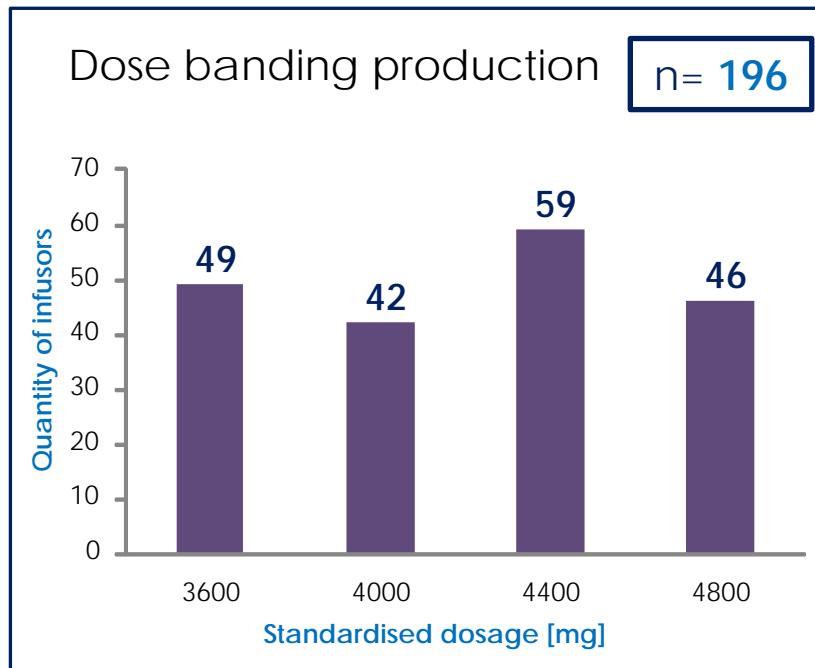


Preliminary Results

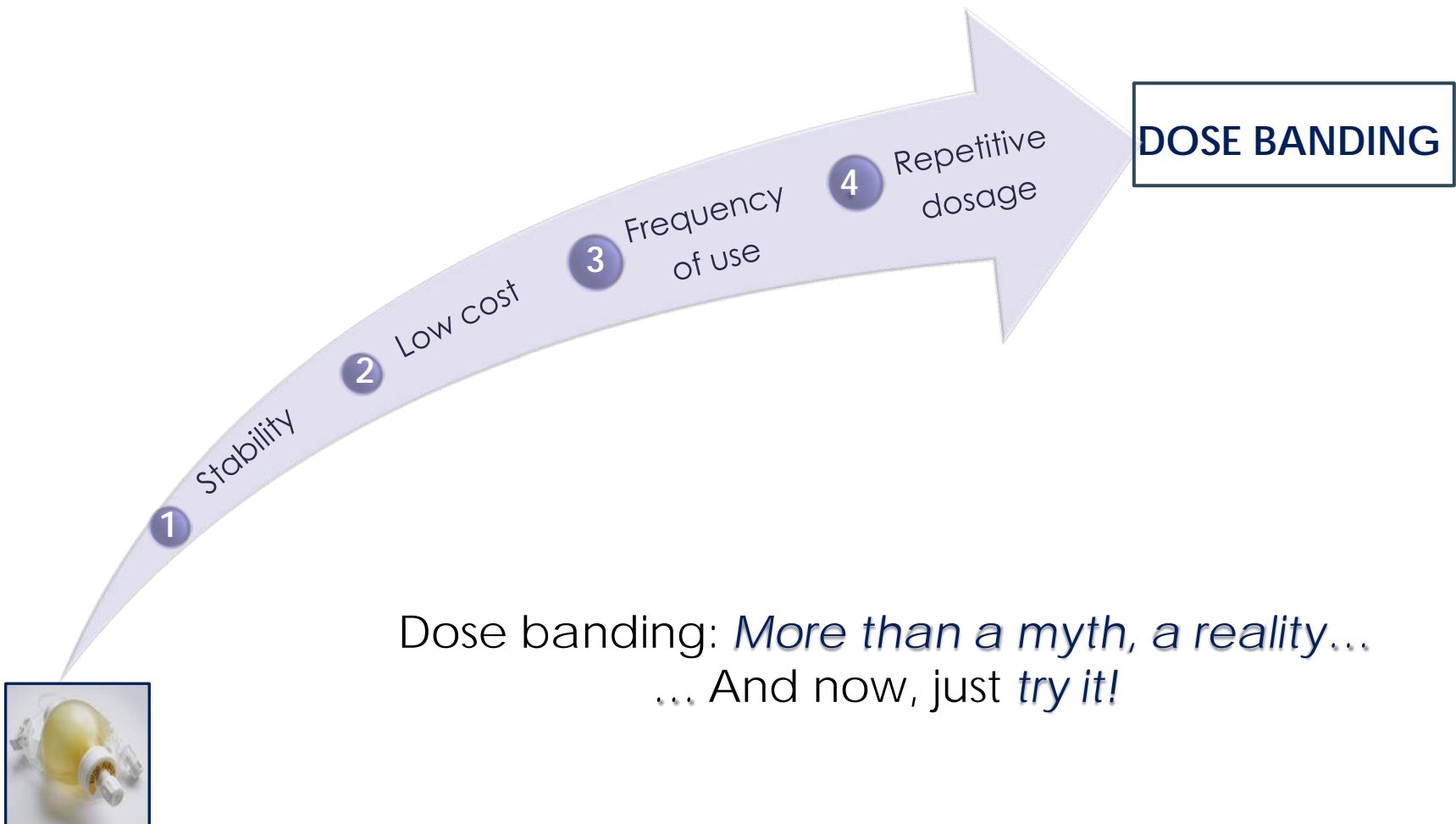


Results will be analysed **6 months later** (Beginning of 2013)

After 3 months...



Conclusion & Perspectives



Acknowledgments



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Thank you for your attention!