



PRACTISE - PhaRmAcist-led CogniTive Services in Europe: Preliminary Results

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Background





Service provision

However, the extent of implementation of these services is unknown.

Bowel cancer screening programmes are provided through pharmacies in Italy, Spain and Switzerland. This screening model is offered by multiple providers (including community pharmacies) and has been proven to improve the screening uptake of the population at risk.

Additional pharmacy services





Service provision

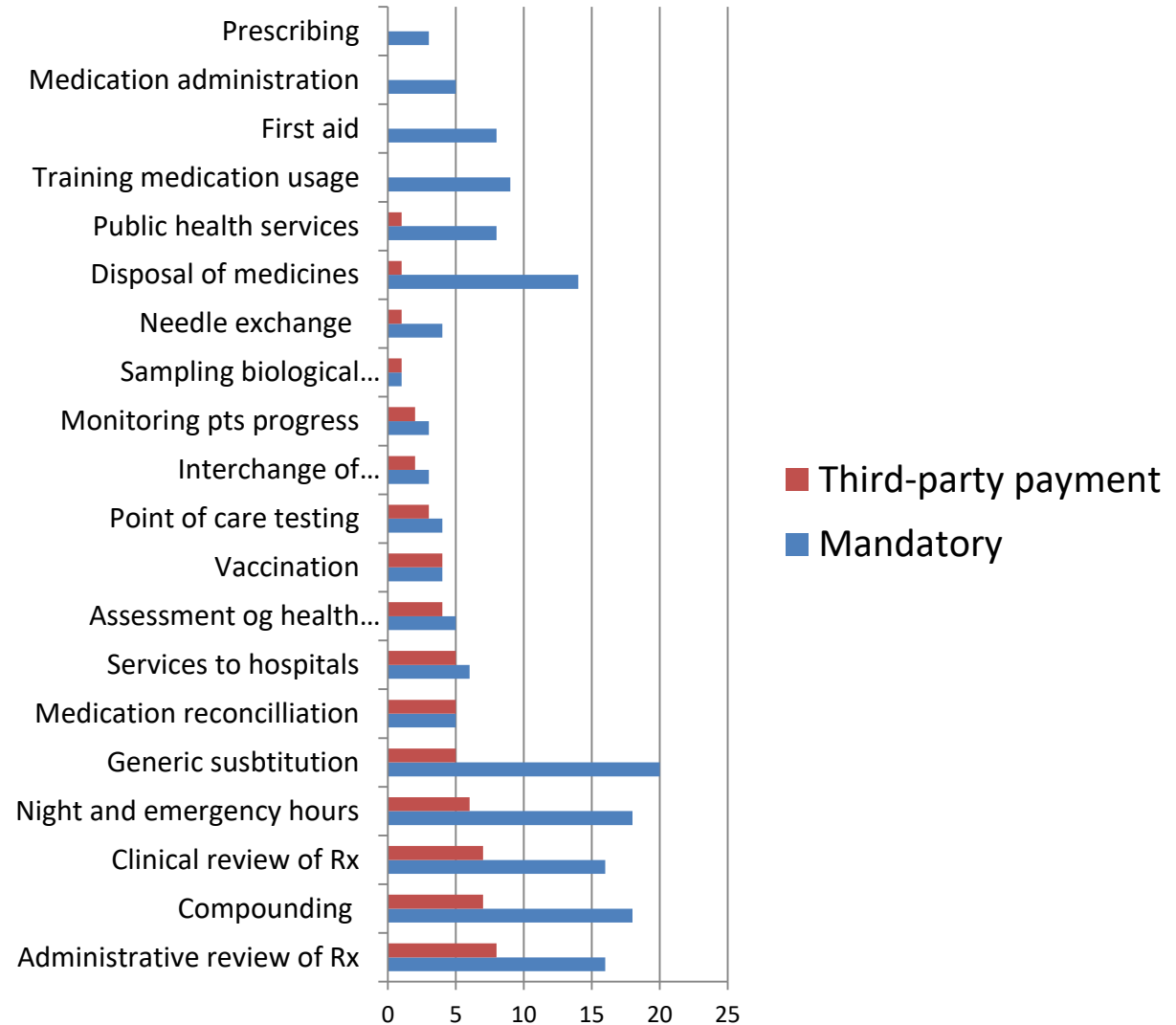
Table 4 Services available in community pharmacies in Europe

| Country | Home care support | Administration of medicines e.g. injectable drugs | Administration of vaccines | Medical appointments (e.g. nutrition) consultations | Measurement of biological and biochemical parameters | Pharmaceutical care programmes | Smoking cessation programme | Needle exchange programme | Medication review | Drug waste management programme | Prescribing | Provision of written standardized information |
|-------------|--------------------|---|----------------------------|---|--|--------------------------------|-----------------------------|---------------------------|--------------------|---------------------------------|------------------|---|
| Belgium | Yes ^a | No | No | No | No | Yes ^a | Yes ^a | Yes ^{a,c} | No | Yes ^{a,c} | No | Yes ^{a,c} |
| Bulgaria | No | No | No | Yes ^a | Yes ^a | Yes ^a | Yes ^a | - | Yes ^a | - | No | Yes ^{a,c} |
| Croatia | No | No | No | Yes ^a | - | No | Yes ^a | - | No | Yes ^a | No | No |
| Denmark | Yes ^a | No | No | No | Yes ^c | Yes ^{a,c} | Yes ^{a,c} | No | Yes ^a | Yes ^{a,c} | No | No |
| Spain | No | No | No | Yes ^a | Yes | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes ^a | No | Yes ^a |
| Netherlands | Yes ^a | No | No | Yes ^a | Yes | Yes ^a | Yes ^a | Yes | Yes ^a | Yes | No | Yes |
| Hungary | No | No | No | Yes ^a | Yes | Yes ^a | Yes ^a | No | Yes ^a | Yes ^{a,c} | No | No |
| England | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes | Yes ^a | Yes ^a | Yes | - | Yes | Yes | Yes |
| Ireland | No | - | Yes ^a | - | Yes ^{a,c} | No | - | Yes ^a | No | Yes | Yes | No |
| N. Ireland | No | No | Yes ^a | No | No | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes ^a | No |
| Iceland | No | No | Yes ^d | Yes | Yes | No | Yes | No | No | Yes | No | No |
| Italy | Yes ^a | No | Yes ^a | Yes ^a | Yes | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes ^a | No | Yes ^a |
| Macedonia | No | Yes ^{a,c} | No | No | Yes ^c | No | No | No | No | No | No | No |
| Malta | No | No | No | Yes | Yes ^a | No | No | Yes ^a | No | No | No | No |
| Norway | No | No | No | Yes ^a | No | Yes ^a | Yes ^a | Yes | Yes ^a | Yes | No | Yes |
| Portugal | Yes ^a | Yes ^a | Yes ^{a,d} | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes ^a | Yes ^{a,c} | No | Yes ^{a,c} |
| Serbia | No | No | No | No | No | Yes ^c | No | No | Yes ^c | No | No | Yes |
| Sweden | Yes ^{a,b} | No | No | No | No | Yes ^{a,b} | Yes ^{a,b} | No | Yes ^{a,b} | Yes ^{a,b} | No | Yes ^{a,c} |
| Switzerland | Yes ^d | Yes ^a | No | Yes ^d | Yes ^a | Yes ^a | Yes | Yes | No | Yes ^d | No | Yes ^d |



Paying for services

Some of these services may be provided for free, others paid out-of-pocket (OOP), or by a third-party. The existing remuneration models seem unclear and not public. (1,2)



(1) S. K. Houle, K. A. Grindrod, T. Chatterley, and R. T. Tsuyuki, "Paying pharmacists for patient care: A systematic review of remunerated pharmacy clinical care services," *Can Pharm J*, vol. 147, no. 4, pp. 209–232, 2014.

(2) FIP, 2015



The importance of the methodology



GI → GO

Table 2
General information about medication review procedures specified by country

| Country | Community setting | | | Hospital setting | Nursing home setting |
|-----------------|-------------------|---------|----------|------------------|----------------------|
| | Type I | Type II | Type III | | |
| Bulgaria | x | x | | x | |
| Croatia | x | x | x | | |
| Czech Republic | x | x | | x | |
| Denmark | x | x | x | x | x |
| Finland | x | x | x | x | x |
| France | | | | x | |
| Hungary | x | | | x | |
| Iceland | | | | x | |
| Latvia | | | | x | |
| The Netherlands | x | x | x | x | x |
| Norway | | x | | | |
| Portugal | | x | | x | |
| Spain | | | x | x | x |
| Sweden | x | x | x | x | x |
| Switzerland | x | x | | x | |
| United Kingdom | | x | | x | x |



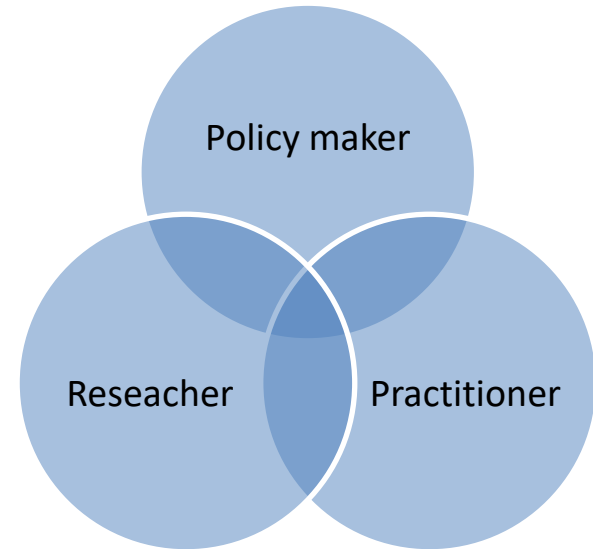
Objectives

- To develop a roadmap of existing pharmacist-led cognitive services in Europe
- To describe the associated remuneration model
- To detail to a greater extent the Medication Review (MR) service



Methods

- Cross-sectional study
- Data collected via online survey: A: 21 existing pharmacist-led cognitive services (each defined using MeSh); B: existing types of MR (63 items).



What are the services provided?

The degree of implementation?

Existing remuneration?

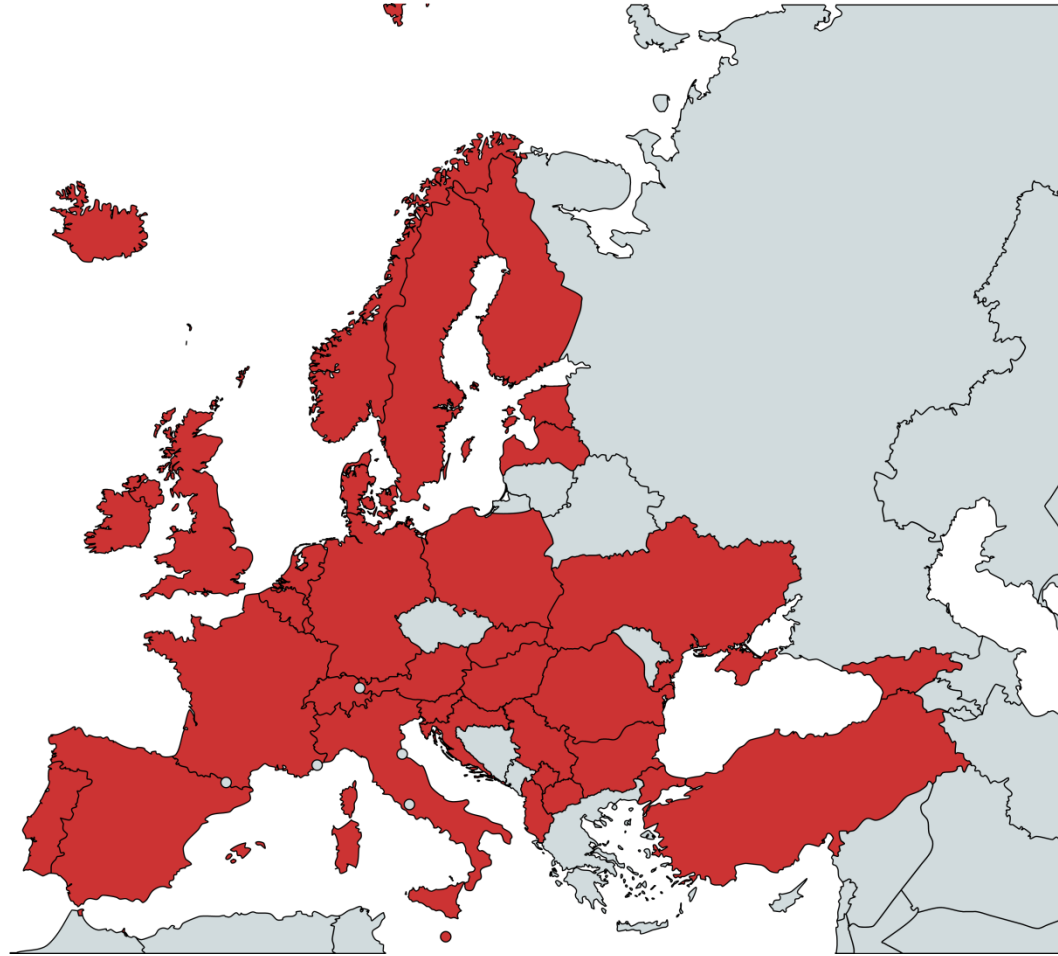
- Purposive sample
- Consensus methods

Ethics approval was obtained from “Comissão de Ética Egas Moniz” on the 26/10/2016.
Process Number 515



Results: sample reached

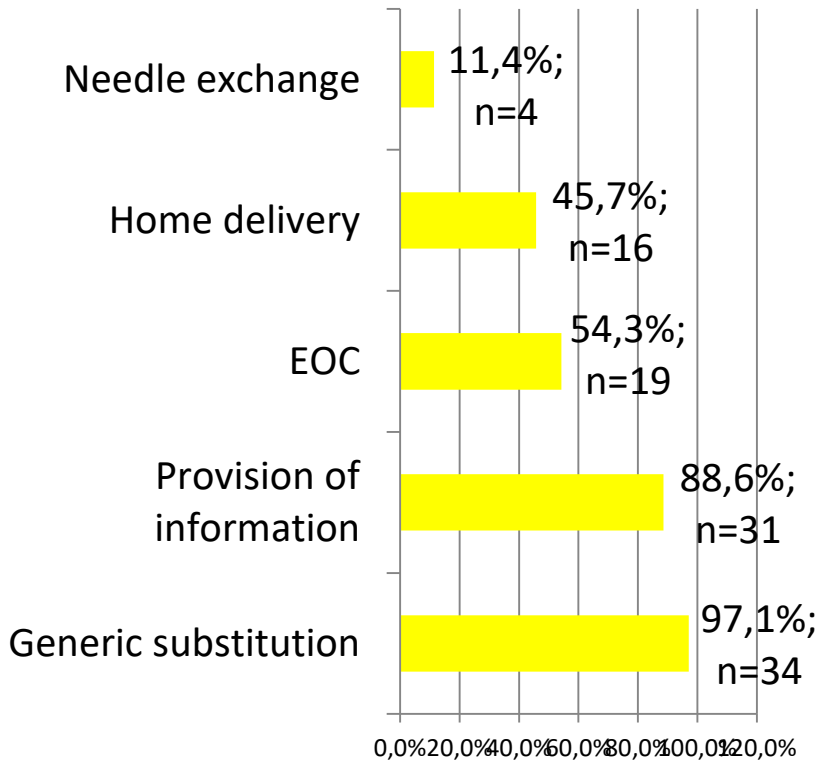
Response rate=72.9%
(35/48)
Respondents/country=2.5



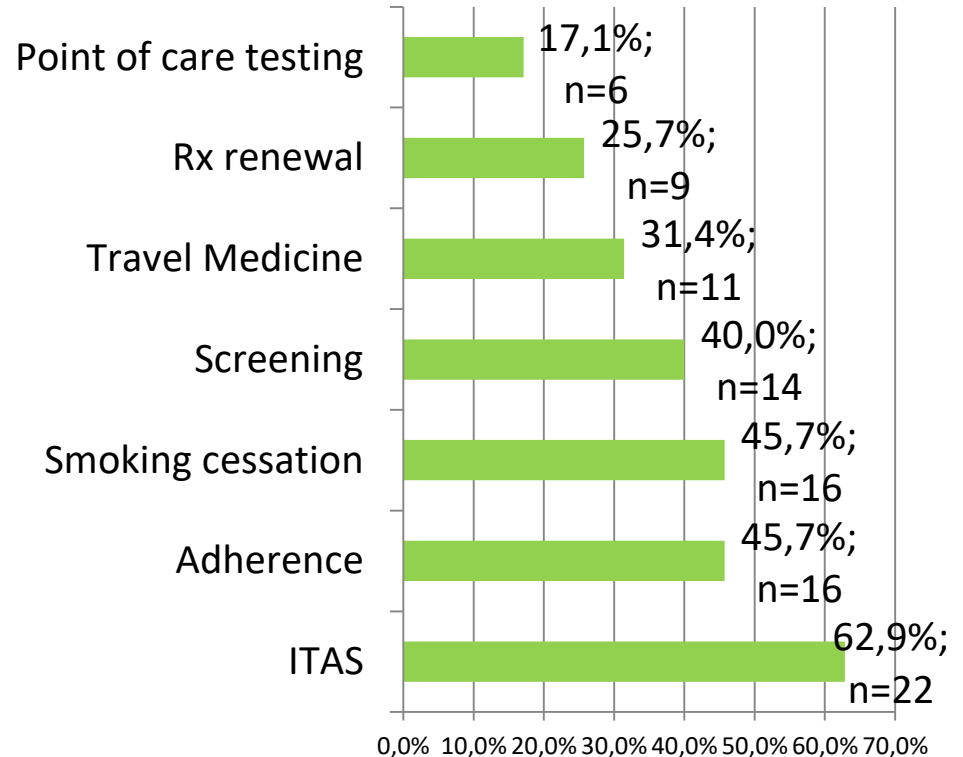


Results: Availability

Core Services

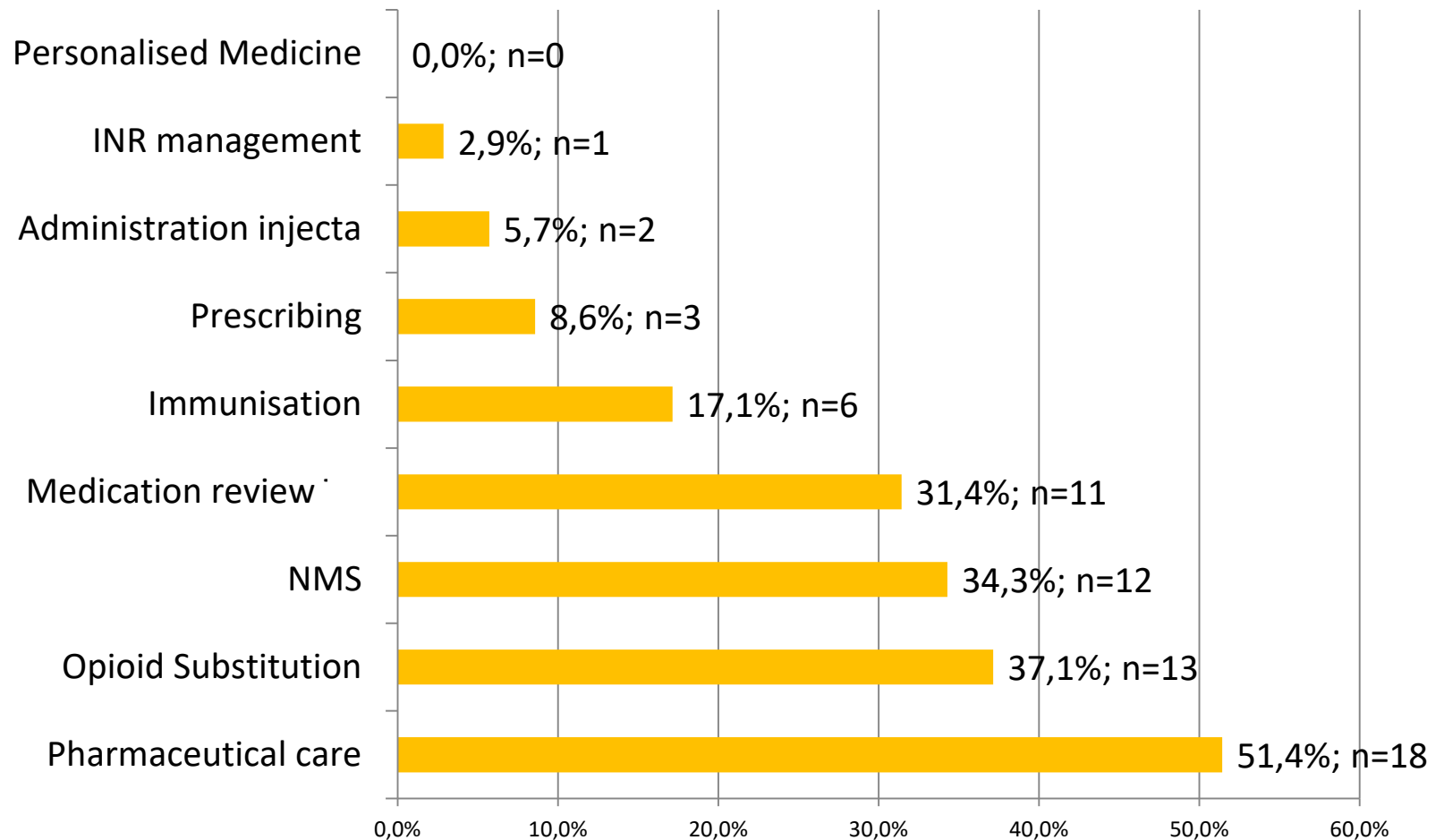


Basic Services



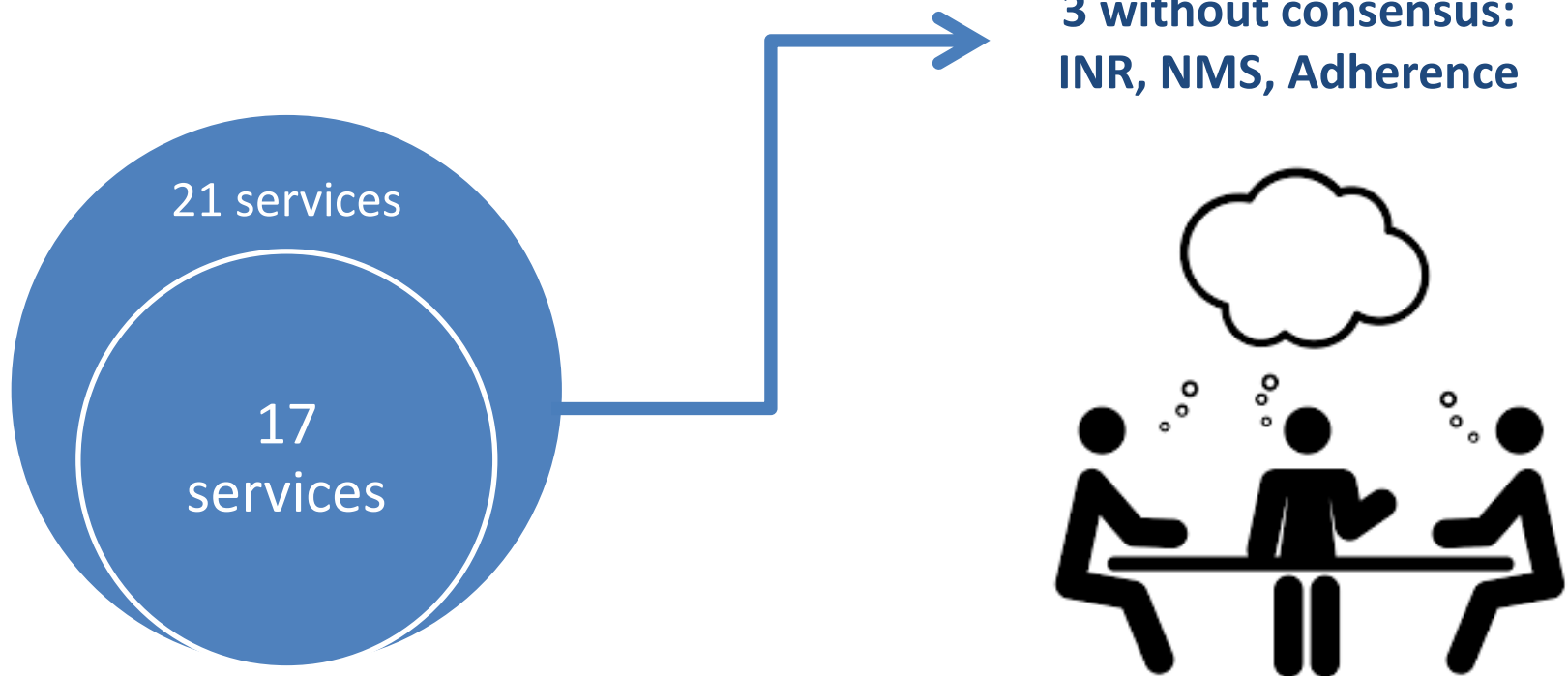


Results: Advanced services



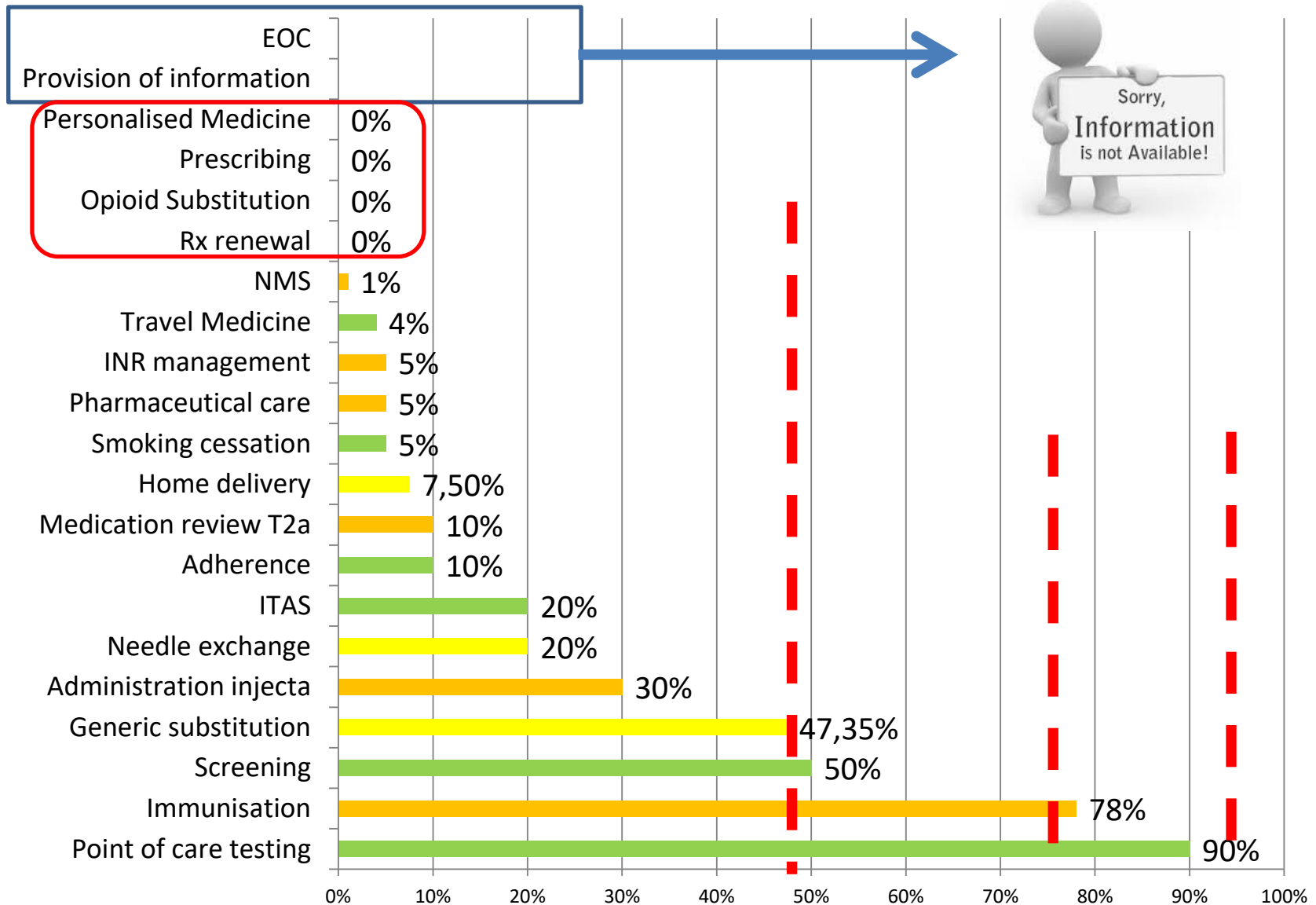


Implementation of services: consensus finding using Portugal as an example





Results implementation





Discussion & Conclusion

- Gathered data needs comparison with official data to eliminate inconsistencies
- Implementation seems to vary widely.
- Definition of “implementation” is needed
- Future work will focus on seeking consensus in all countries included
- Description of the different remuneration models and exploring which are the services more frequently being paid

Thank you for your attention!