



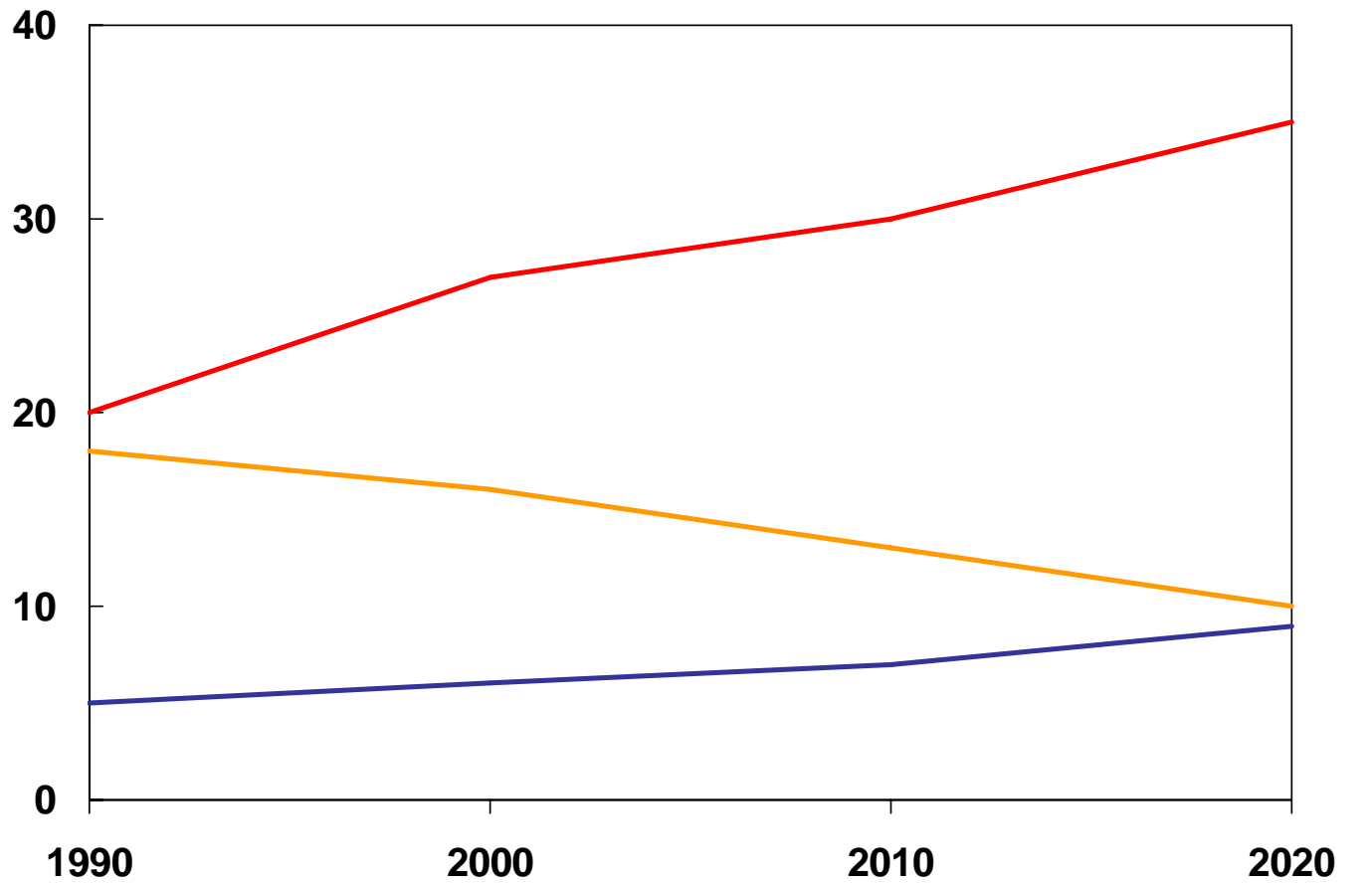
e-Health and Integrated Care:
A New Model for Home Care for COPD

Albert Alonso

Technology Innovation Unit
Information Systems Department
Hospital Clínic, Barcelona, Spain

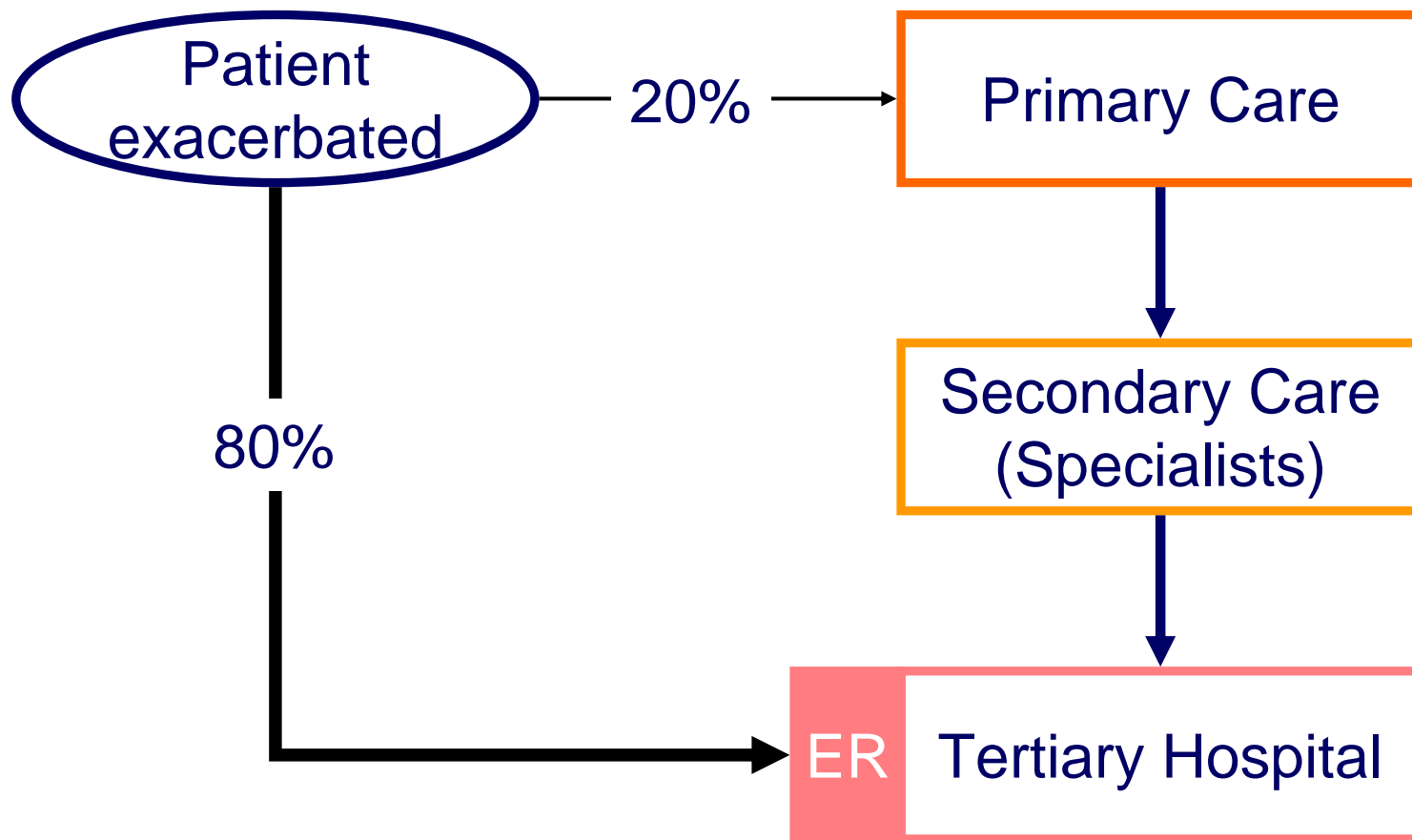
Agenda

- The “Chronic Care Model”
- Specific implementation for COPD patients
- Model evaluation
- The way forward

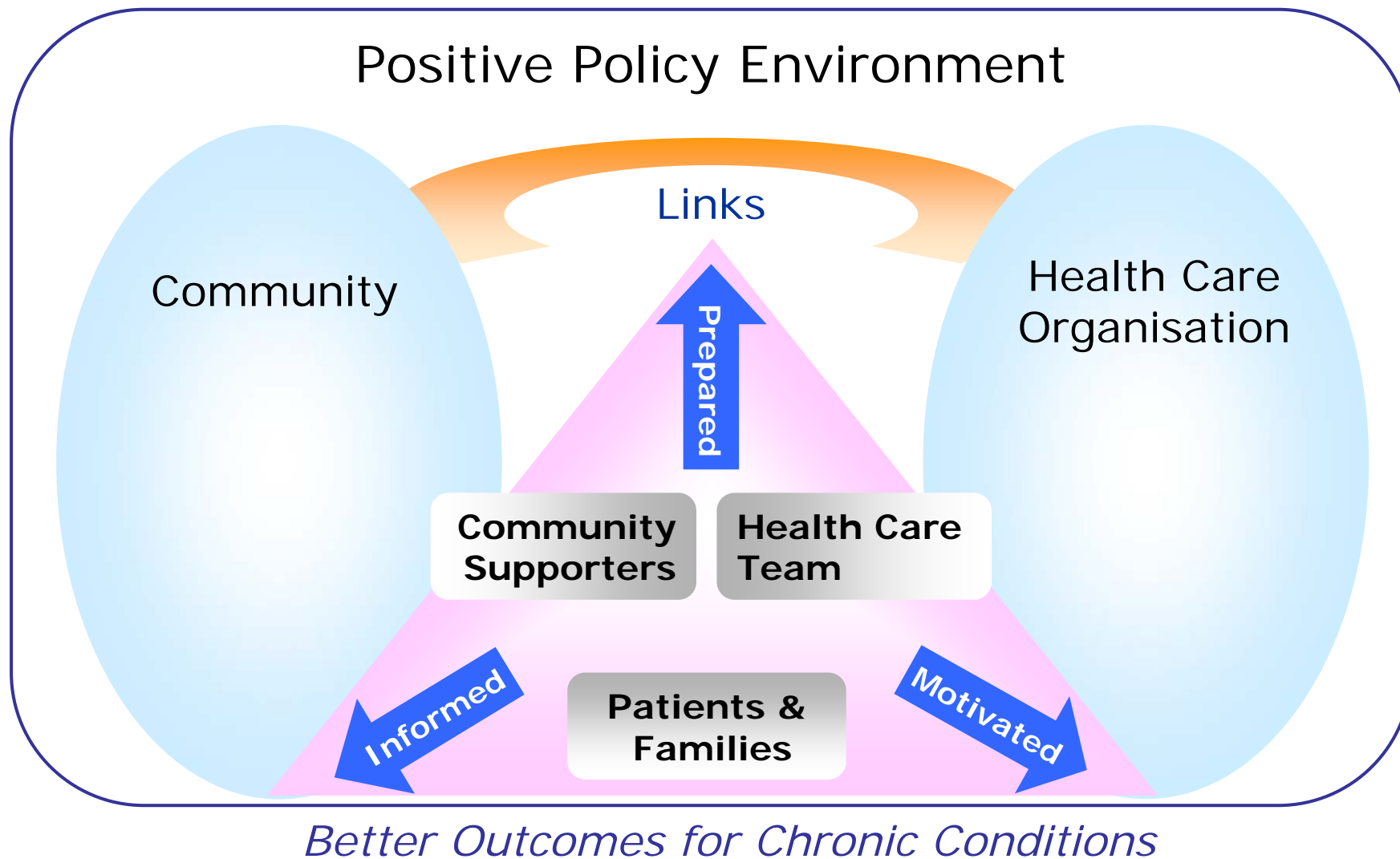


- Noncommunicable diseases
- Communicable, perinatal, maternal and nutritional conditions
- Injuries

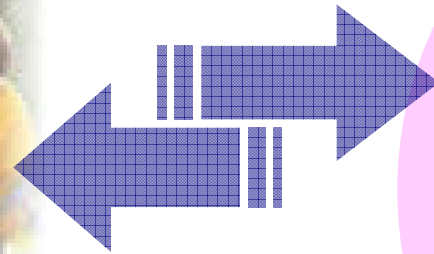
Current model



The Chronic Care model

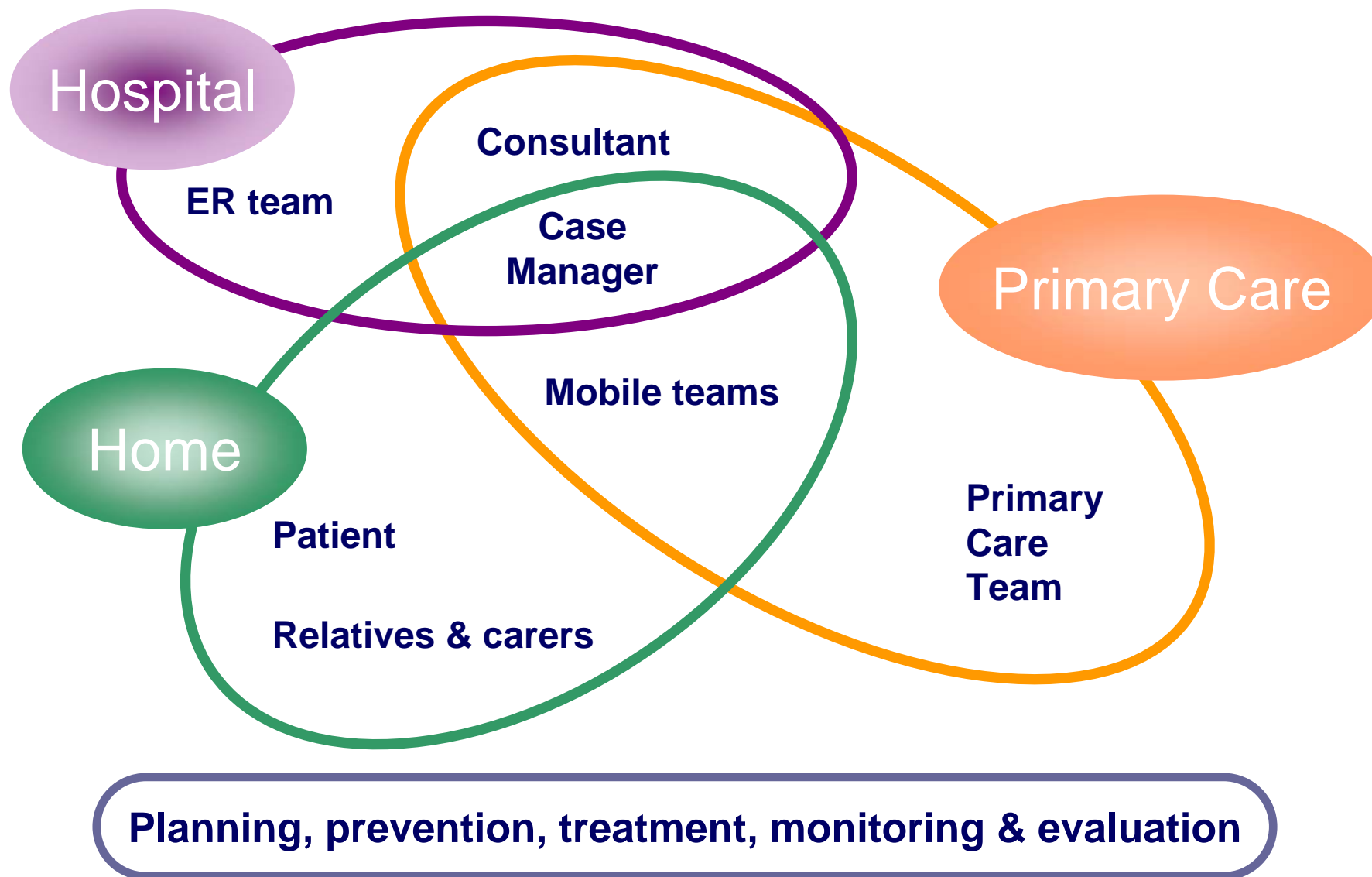


Integrated care in chronic patients

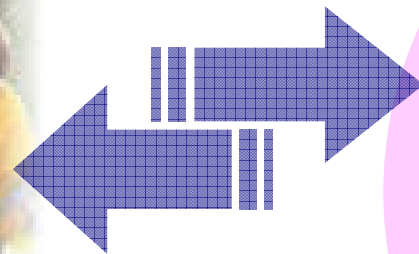


**Health
System**

Integrated care: role redesign



Integrated care in chronic patients



CCMC

- Triage
- Information
- Education

Hospital

2nd level hospital

Home Care

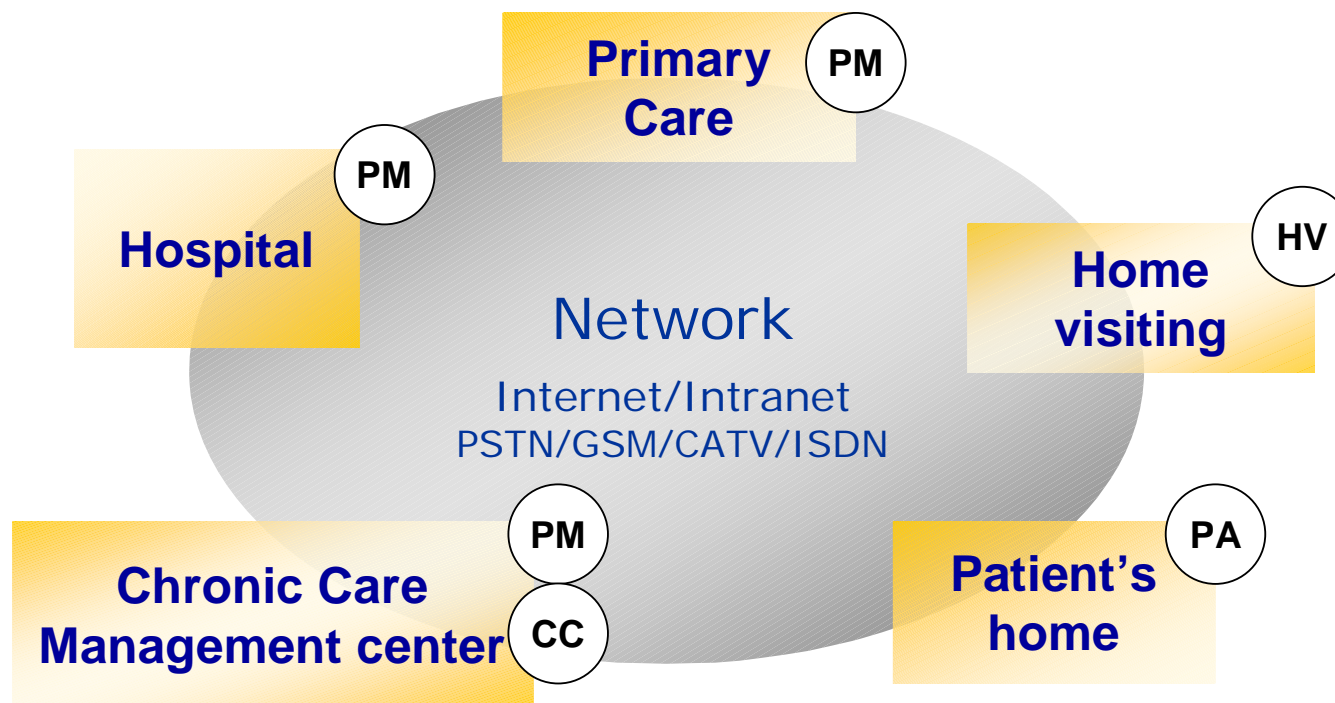
Primary Care

Emergency

Informal carers

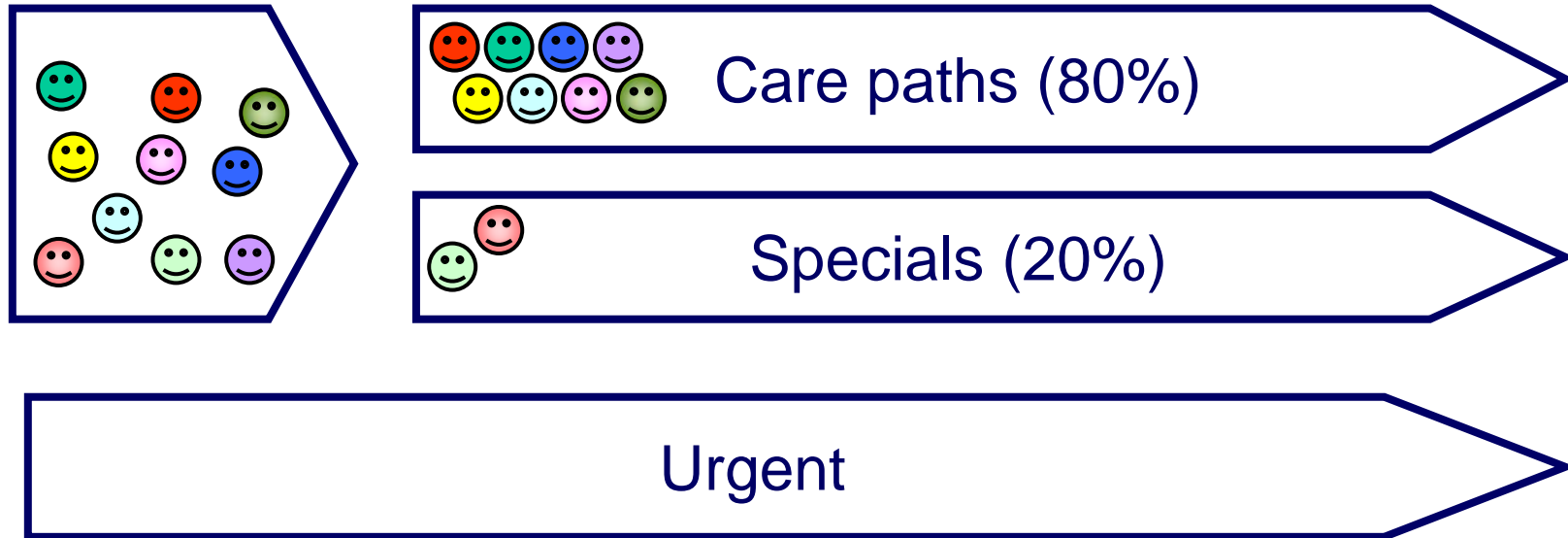
Non health related services

Platform / services

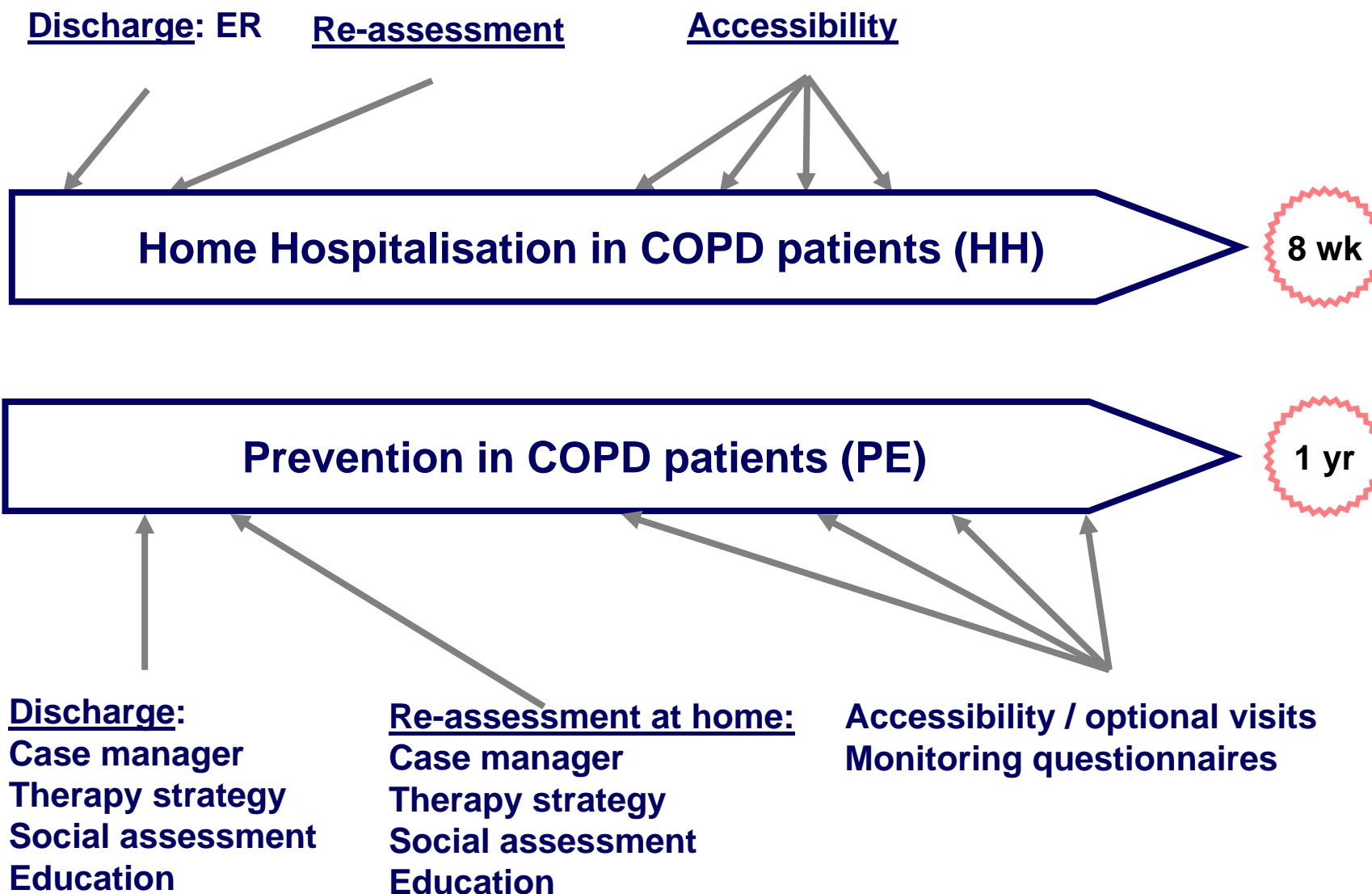


- CC – Call center
- PM – Patient Management Application
- HV – Home Visiting Application
- PA – Patient's Application

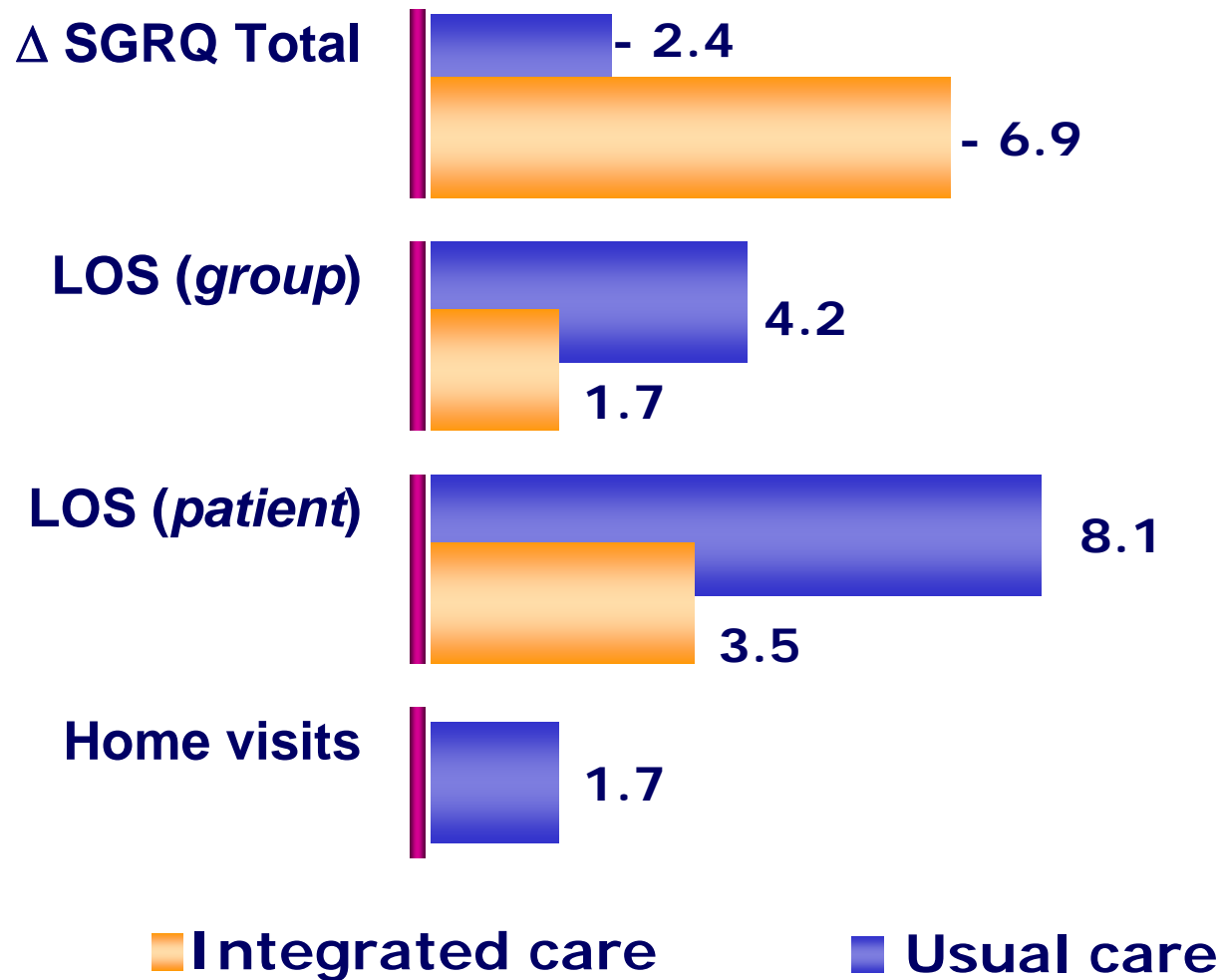
Integrated care: Process redesign



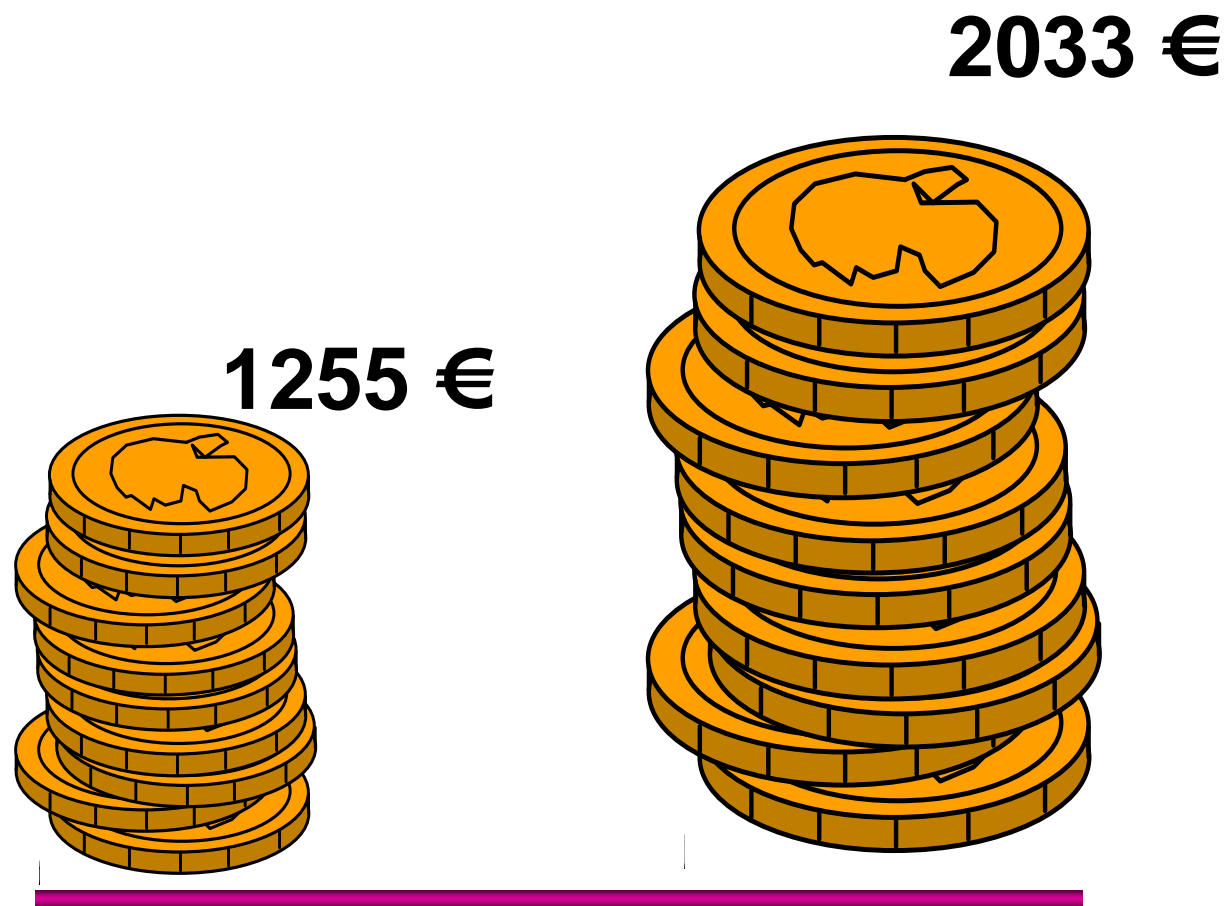
RCT pilots



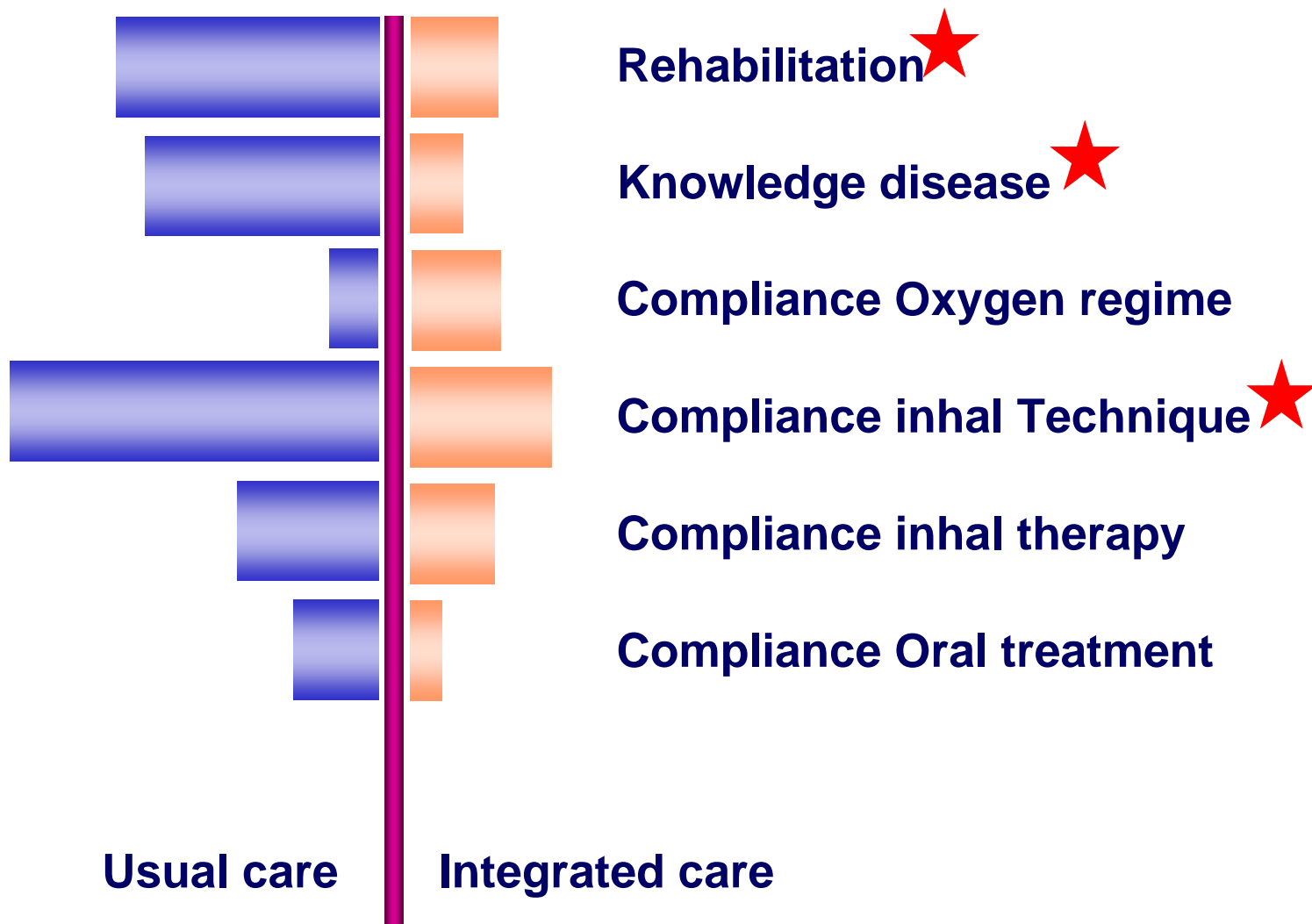
Clinical efficacy (HH)



Cost containment (HH)

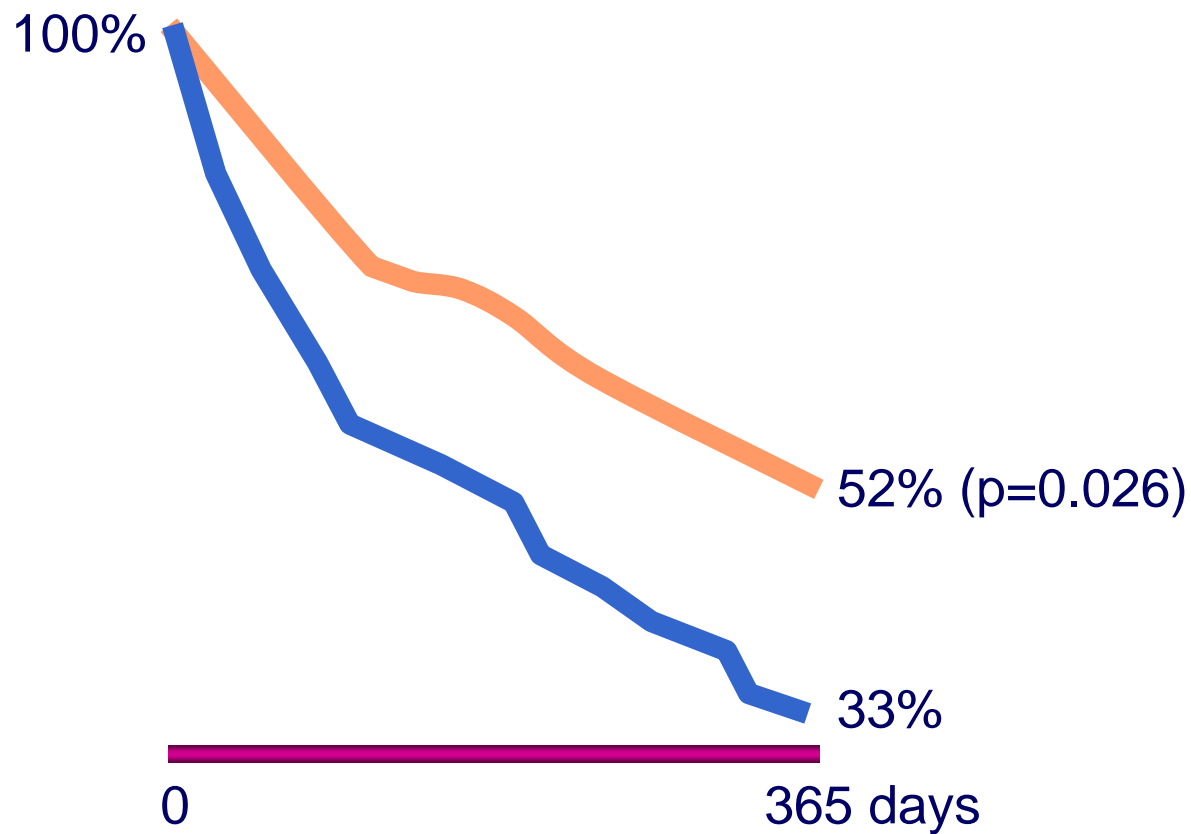


Change in behaviour (HH)



Clinical efficacy (PE)

Patients free from admission



Summary of pilots' results

Efficacy and safety



Decrease in direct costs



Identification of clusters of risk factors defining patterns of care



Validation of health care services based on Integrated Care



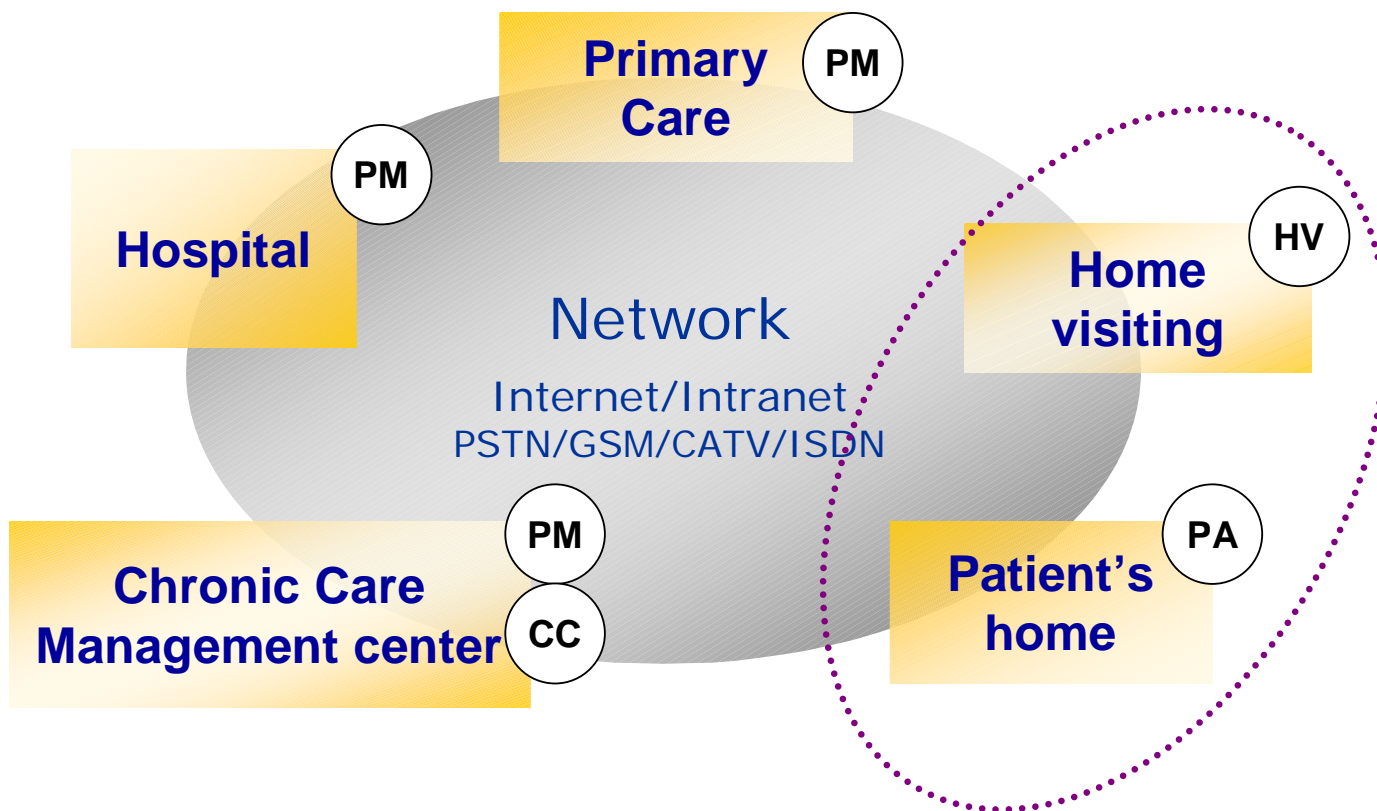
Patient centred management



The way forward

- Practical developments of the Chronic Care model
 - New applications
 - Condition oriented (CHF, DM, AIDS,...)
 - At risk population
 - Palliative care – end of life
 - Technology
- Extensive deployment of currently successful IT pilots
- Evolving to/from telemedicine to e-Health

Platform / services



- CC – Call center
- PM – Patient Management Application
- HV – Home Visiting Application
- PA – Patient's Application

Mobility

