

# The PIRASOA® programme: implementation and first outcomes of an infection control programme based on educational intervention bundle in all hospitals of the public health system of Andalusia, Spain.

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## BACKGROUND

It has been estimated that 1 in every 25 inpatients has an infection related to hospital care. PIRASOA® programme is an institutional program about surveillance, outbreak investigations, laboratory research, and prevention of healthcare-associated infections. Our objective is to describe and report the implementation of this program involving all public hospitals in the region of Andalusia, Spain, and to provide preliminary data about its impact.

## MATERIAL AND METHODS

### DESIGN

- Descriptive ecological study

### STUDY PERIOD

- Programme started on January 1<sup>st</sup> 2014.
- Data are prospectively recorded quarterly
- We present data until June 30th 2015

### SETTING

- All 34 Andalusian public centers:
  - 8 regional hospitals,
  - 9 specialty hospitals
  - 17 district hospitals
- Attending 8.4 million population

### INTERVENTION PIRASOA programme

- Institutional Programme for the Prevention, Control of Healthcare-Associated Infections and Appropriate Use of Antimicrobials
- Aiming at reducing the rate of HAI and improving antibiotic use.
- The IRAS part of PIRASOA is a multidisciplinary team-based professional leadership in surveillance, prevention and control of HAIs and institutional involvement in each of the centers.
- Feedback was provided to every hospital quarterly

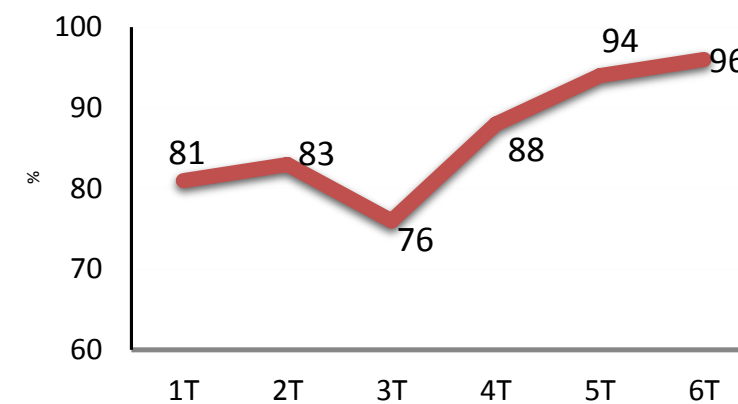
### INDICATORS

- Process on prevention and control indicators
- Results on HAI indicators

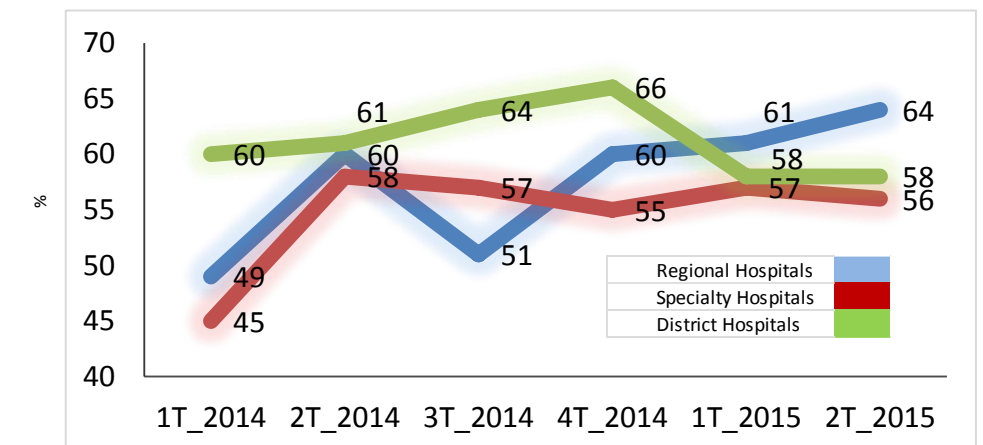
## CONCLUSIONS

- ✓ We have **successfully implemented** an Infection Control Programme in the region.
- ✓ The preliminary outcomes showed a trend towards an **improvement** in the actions to **prevent and control HAIs**
- ✓ We still **have rates higher** than national or international reference to **be worked by local teams infections** in each hospital.

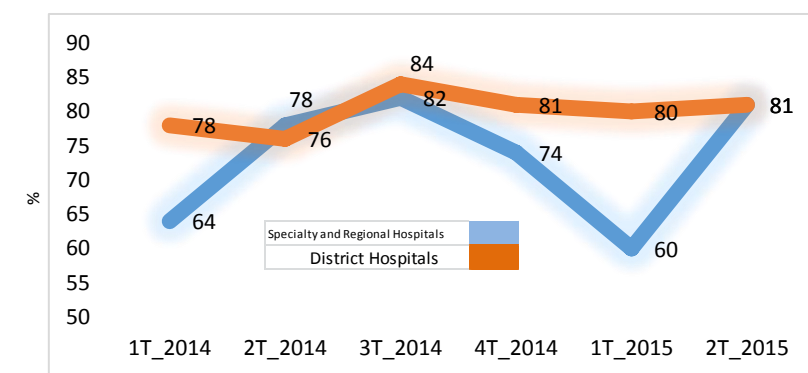
## RESULTS



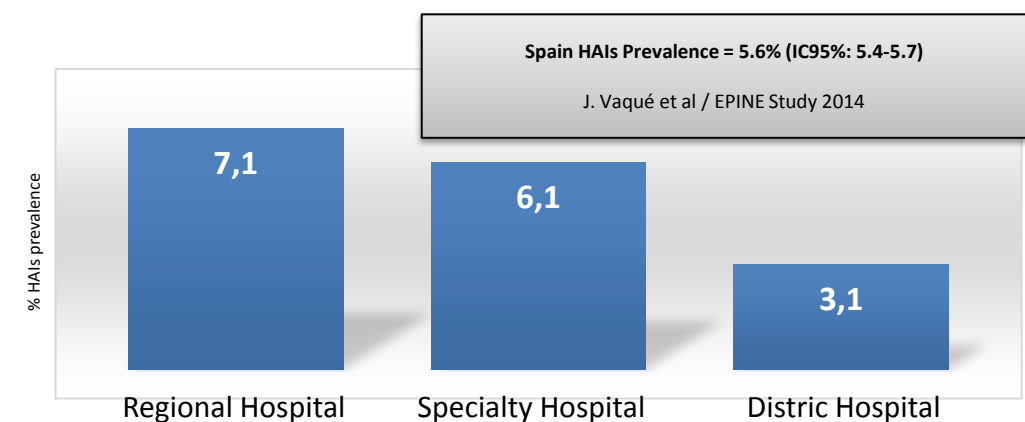
Graphic 1. Percentage of adherence to the 77 indicators in all hospitals



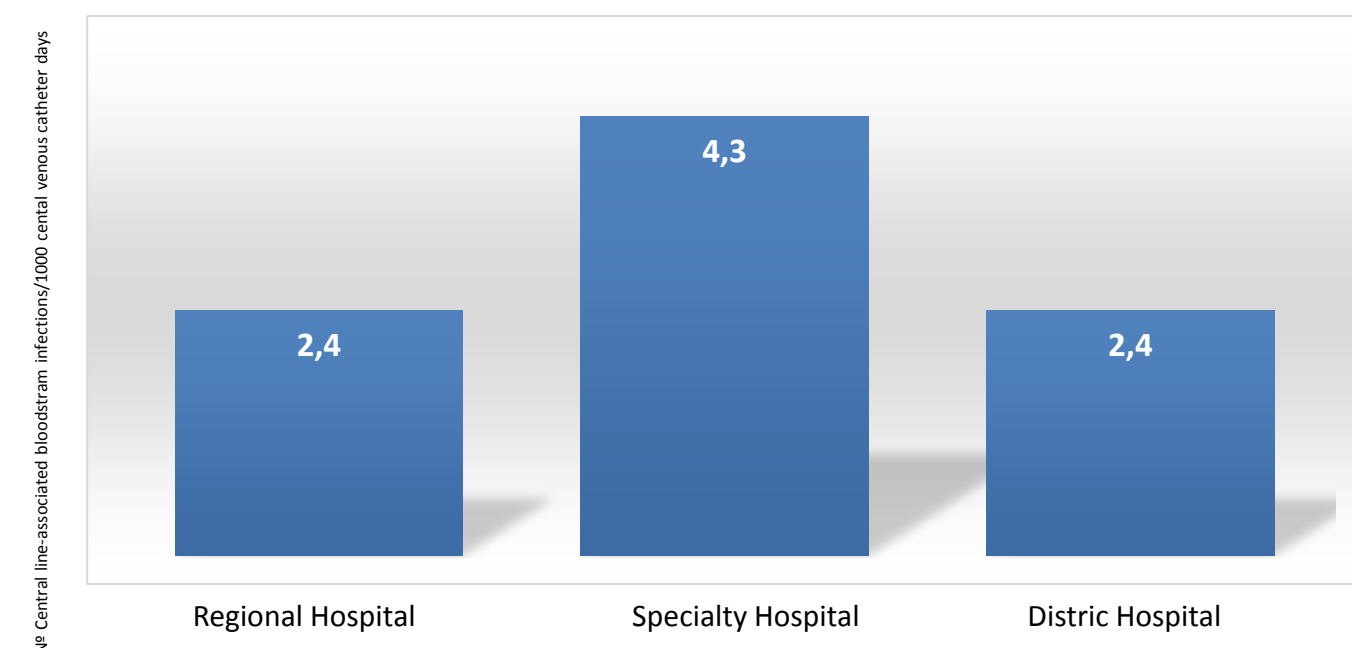
Graphic 2. Percentage of adherence to hand hygiene compliance



Graphic 3. Percentage of adherence to the contact precautions



Graphic 4. HAIs prevalence 2014



Graphic 5. Rate of central line-associated bloodstream infections