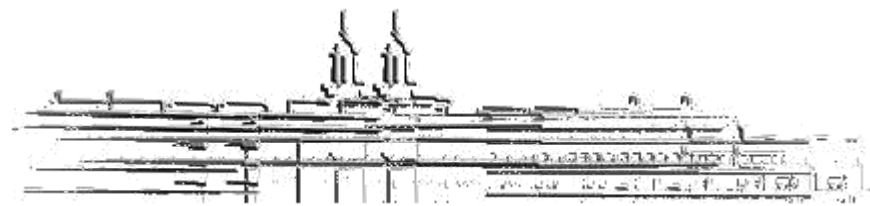
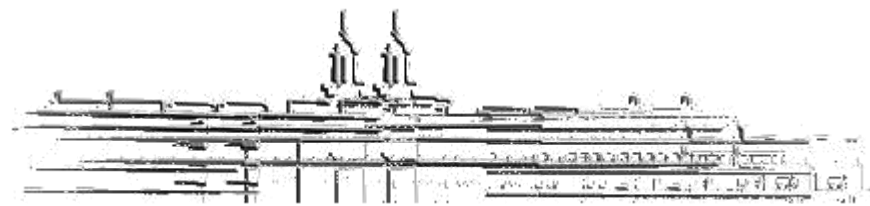


Paediatric Early Warning Score Implementation



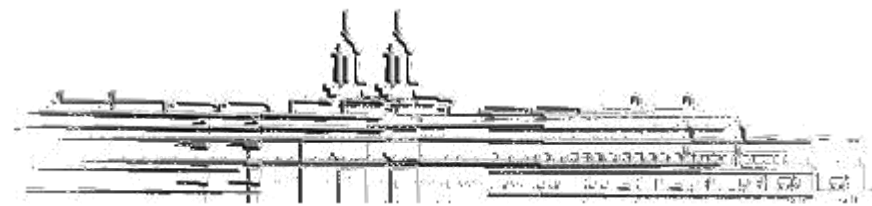
Working system (Design Stage)

- Voluntary participation of nine centres in the project
- Creation of a multidisciplinary working group composed by representatives from every participating centre.
- Work to adapt the PEWS
 - Face-to-face meeting to adapt the PEWS to the Andalusian situation and definition of inclusion criteria
 - Online work to complete the previous work
- Graphic design of the PEWS
- Review of the final result by every member of the working group. Final adjustment of the PEWS for children aged between 0 and 1 years old.



Working system (Action Plan)

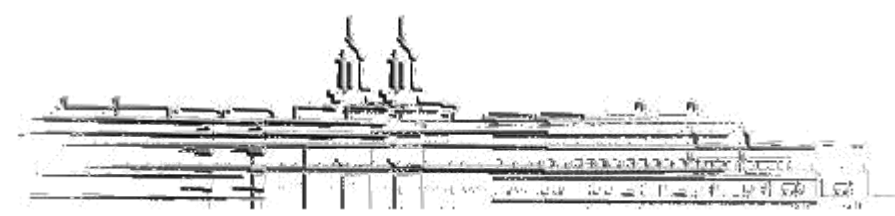
- According to the established criteria, the PEWS will be applied to patients from 0 to 1 years old, with respiratory disease (Bronchiolitis), due to their particular susceptibility of rapid deterioration of their clinical situation.
- A training and dissemination period to the involved professionals is established.
- A starting point after Christmas holidays is established .
- A piloting period with few patients is established, to detect possible errors in the PEWS.



Experience in Virgen del Rocío Hospital

Working System (Implementation: Preliminary Stage)

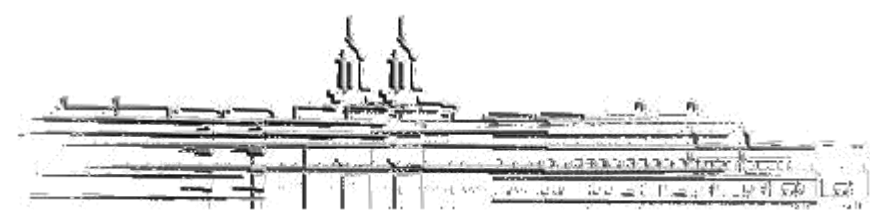
- PEWS is being applied in the Pediatría2 Ward in the Children's Hospital, which has 7 twin rooms with capacity for 14 patients suffering preferably from respiratory disease.
- This Ward is served by two specialist nurses and two other nurses, except for mornings from Monday to Friday, when it is served by three specialist nurses and three other nurses.
- During the piloting period, just one patient at the same time is being monitored through PEWS.
- A group of nurses has been trained to ensure the presence of at least one trained nurse in the Ward, seven days a week.
- Individual sessions between the Nursing Manager and every nurse take place to check the use of PEWS.



Experience in Virgen del Rocío Hospital

Working System (Implementation: Operational Stage)

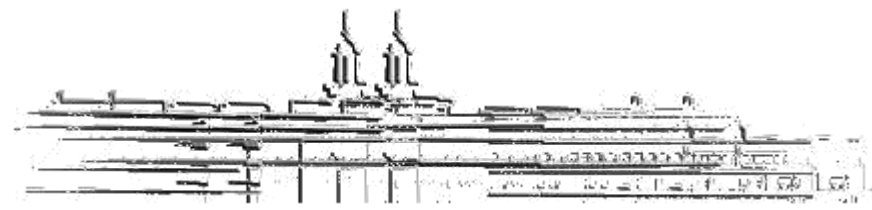
- PEWS has been applied to three patients during all their stay:
 - **Case 1:** 48 hours inpatient child, to whom PEWS is applied 7 times. A maximum score of 3 is reached, which coincides with the admission.
 - **Case 2:** 72 hours inpatient child, to whom PEWS is applied 8 times. A maximum score of 3 is reached.
 - **Case 3:** 96 hours inpatient child, to whom PEWS is applied 8 times. A maximum score of 5 is reached. The call to the Consultant did not result in any therapeutic approach.



Experience in Virgen del Rocío Hospital

Barriers/Difficulties:

- Filling out the PEWS chart means a duplicity of current nursing records.
- Measuring the respiratory rate has been very difficult sometimes, as baby patients can be specially irritated.
- Close patient monitoring means an increase in workload, that would be necessary to evaluate once the PEWS is 100% implemented.
- Once the “Season of Infant Bronchiolitis” is over, most of patients have a low risk of rapid deterioration of their clinical situation, so we find no suitable patients to apply the PEWS to.



Experience in Virgen del Rocío Hospital

Conclusions

- Professionals value PEWS as an useful tool for patients at risk of rapid of deterioration of their clinical situation.
- The implementation of PEWS, with the existing means, is an important work overload.
- PEWS measurements seem to be correct, since the change of score matches with changes in the patient clinical situation.

