

## Improving Time of First Dose of Antibiotics in Neonates Admitted to NICU from LR/OT in Women's Hospital

**PROBLEM:** Currently, only 13% of neonates admitted to the NICU receive first dose of antibiotics within one hour of prescribing antibiotics (international standard).

**AIM:** To increase the number of cases complying with the international standard from 13% to 56.5% (50% reduction in delayed cases) by January 15, 2013.

### INTERVENTION:

- Reduce time needed to issue patient ID
- Use of the "Mother-Baby" link to print patient ID upon admission
- Use of a red "STAT" stamp on all first dose antibiotic prescriptions
- Education of nurses and of nursing aid

### TEAM:

- Dr. Mohamed Adnan Mahmah
- Dr. Nada Alaraj
- Dr. Mohammed Abu Nahia
- Mrs. Flonor Visda
- Mrs. Rahima A Mocsir
- Mrs. Catherine P Turo

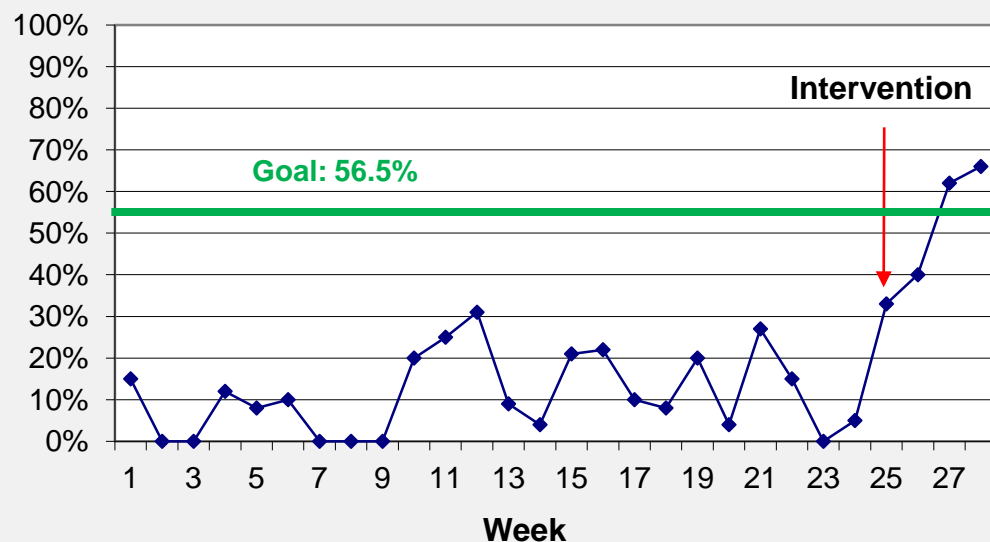
### PROJECT SPONSOR:

- Dr. M. Janahi (Head of Pediatrics)
- Dr. Hilal Alrifai (NICU Director)

### COACH

- Ms. Helen Floyd

### RESULTS: Percent Compliance with Guidelines for 1st Dose of Antibiotics



### CONCLUSIONS:

- After implementation of action plans, the compliance rate increased from 13% to 66% (achieved the goal)
- Delay in issuing patient's ID and delay in sending prescription to the pharmacy were the most significant factors contributing to the delay in administering first dose antibiotic in the NICU
- The appropriate areas have been targeted, the project needs more time, ongoing education and compliance with the new interventions to meet the goal

### NEXT STEPS:

- To achieve 100% compliance by the end of 2013
- Frequent and ongoing re-evaluation of the process by spot checks
- Using Time to First Dose Antibiotic as a Quality indicator