

## QUARC Benefits

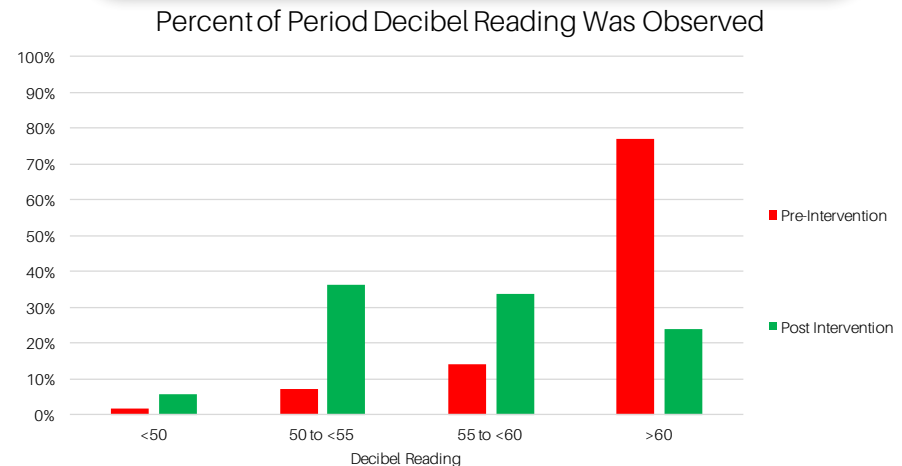
### Unified Clinical Communications

- Reduce need for overhead paging
- Reduce verbal communications
- Enable verbal communications to occur away from the bedside

### Routing and Escalation

- Enable quicker response to noise generating events (e.g. bedside alarms)

## Measured Impact



- Consistent noise levels above 55 decibels have been shown to impair critical thinking skills  
QUARC significantly increased the proportion of time noise on the unit was below 55 dB: 9% vs. 43% (Z= -61.3289; p<0.001)
- Consistent noise levels above 60 decibels have been shown to increase blood pressure and cortisol levels  
QUARC significantly increased the proportion of time noise on the unit was below 60 dB: 23.2% vs. 76.6% (Z= -87.651; p<0.001)