







HSR – "Health Sense & Respond"

HSR is what Semantrix believe medical decision support systems will look like over the next decade.

- Future hospital systems will actively monitor your patients location, state and the hospital environment around them.
- Smart phones and iPads are ubiquitous and will provide staff with their patients current state, scheduled treatment plan activities, and diagnostics in real-time.
- High quality, relevant information made available to medical staff next to the patient - translates to more informed decisions delivering better patient outcomes.

Patient Behavioural Monitoring

- Use 3D Vision systems & sensors for patient monitoring
- Determine patient status, & monitor patient activities and patterns of behaviour:
- Automatically identify dangerous situations and behaviours and trigger response

Falls detection & prevention

- Based on patient state, typical behaviour and postural patterns flag unstable patients at risk of falls quickly – send help before fall occurs
- Provides risk detection and incident response in real-time.
- Detect if unsteady on feet, holding furniture to stay upright, moving in the dark
- Identify when a patient is a falls risk or is lying on floor send help immediately

Track & Monitor Patient Activities & Status

- Track Walking, exercising, sitting reading, meals, etc.
- Identify patients exhibiting unsteady stance, agitated or unusual behaviours, wandering, signs of dementia, poor sleep patterns -long periods of sitting standing, lying, on toilet, lost in the dark
- flag unauthorised people entering single patient rooms & call security
- HSR delivers electronic vs. Physical patient tracking a tool to improve capacity

Real-time Sensor & Information Distribution

- HSR integrates all hospital sensors, patient, specific dayto-day, staff rosters and schedules into its core.
- Dynamically Find, links, and "dynamically publishes" all relevant patient related information, PHR, and any external sources



Secure Mobile Access To Patient Info - At Your Finger-tips

- HSR makes Patient info, treatment plans available through mobile devices "literally next to the patient"
- Range of Security options: access protected by Biometrics including Fingerprint Scanners, Face & Voice Recognition, your staff "multi-tag"



Highlights & Monitors Patient Safety Issues

- HSR analyses a patients condition & Treatment Timeline
- HSR will display contra-indicators, allergies, shift handover info, patient stats vs. age, trends in stats, etc
- Monitors in real-time, identifies falls risks, patients on floor, etc













You're monitoring two babies in the neonatal room:

Baby-Jack has minor breathing issue, Baby-Anne was born premature

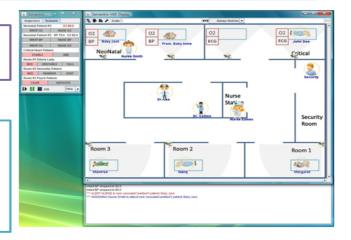
We have a vision which looks like this - you specify "Conditions of Interest" to the HSR system – describing the scenario of interest and appropriate responses:

Case 1 -Baby Jack O2 drops

Call Nurse if Baby-Jack has 02 < 90%

Case 2 -Baby Anne - first O2, then O2 & BP drops

- Call Nurse if Baby-Anne has 02 < 75% or BP < 60 mm/hg
- Call Nurse and Paediatrician if Baby-Anne has 02 < 75% and BP < 60



Interested in HSR technology? Call us to find out more:

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