Development of Key Risk Indicators (KRIs) for Effective Monitoring of Incident Trends and Risks Performance

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Incidents
How to make use of AIRS data for effective risks monitoring?
Graphical incident trends

Rate-based figures

Key Risk Indicators (KRI)

Can monitor specific risks

Accurate database
19 Key Risk Indicators

Data a/v in AIRS
1. All incidents, SEs, SUEs
2. Falls
3. Patient Misidentification
4. Medication
5. Missing & Walk Away
6. Blood Transfusion
7. Awareness of Investigation Results & Specimen Handling
8. Suicide
9. Facility Failure & Environment
10. Security & Fire-related
11. IT & Privacy
12. Medical Device & Equipment

From AIRS & Clinical Departments
13. Unanticipated Clinical Deterioration
14. Unanticipated Surgical Outcomes
15. Nosocomial infection

From AIRS, Admin & HR
16. Staff Injury & Incidents
17. Staffing & Turnover
18. Bed Occupancy

19. Risk Watch List
- Incidents not included in regular KRIIs but **required special attention**, e.g.
  - Tourniquet retention
  - Foreign bodies found in patient diet
Import denominators (E.g. BDO, FTE, blood unit transfused)

KRI reports

Categorise according to NTWC Risk Taxonomy (adopted from EQuIP)

Add non-AIRS risk data (E.g. staffing, sick-leave days, bed occupancy)

Report to Cluster/Hospital Management

Follow up by Risk-related Committees for unfavourable trends
Performance of Risk Indicators

**Incidents & Near Misses**

- **Continuous trends** comparing past 2 years’ data
- **Rate-based data**

**Incident & Near Miss Rates (per 1,000 IPBDO)**

**Incident Rates (SI 1-2 & 3-6)**

(Excluded Near Miss) (per 1,000 IPBDO)

**Observations:**

Latest observations
Different formats for individual KRI report
In-depth analysis for specific risks if required

Patient Missing

Follow-up on Incidents of Missing Patients

NSD / Q&S / Admin
8 Apr 2016

Patient Falls

Analysis 1:
- High incident number in _____ in Oct 2016

Incident Number of Falls in Departments (Jan - Dec 2016)

Analysis 3:
In 4Q 2016, there were 14 fall cases in Ward _____ which was doubled than 2 & 3Q 2016

Falls Number in _____ (1Q - 4Q 2016)
Summary

Key Risk Indicators (KRI)

Graphical incident trends
Rate-based figures
Can monitor specific risks
Accurate database
Thank You!