

RISK ASSESSMENT INDEX

QES x QEP = RISK INDEX

RAI - Risk Assessment Index - A tool that may be used to prioritize and select events for root cause analysis and to define the recommended action for an individual event based on an estimated calculation of risk. This tool may be useful in preventing unnecessary change.

QES - Quantified Estimate of the Severity of actual or potential harm to a patient

QEP - Quantified Estimate of the Probability of this event recurring.

Quantified Estimate of Severity of Pt Harm(QES)		Quantified Estimate of Probability of Recurrence (QEP)					
		<u>Extremely High</u> 0.99	<u>Very High</u> 0.90	<u>High</u> 0.75	<u>Medium</u> 0.50	<u>Low</u> 0.25	<u>Very Low</u> 0.10
Extremely High	0.99	1.0	0.9	0.7	0.5	0.2	0.1
Very High	0.90	0.9	0.8	0.7	0.4	0.2	0.1
High	0.75	0.7	0.7	0.6	0.4	0.2	0.1
Medium	0.50	0.5	0.4	0.4	0.2	0.1	0.05
Low	0.25	0.2	0.2	0.2	0.1	0.1	0.02
Very Low	0.10	0.1	0.1	0.1	0.05	0.02	0.01

Directions:

A. Calculation of the risk index

1. Determine QES and QEP categories
2. Locate the risk value on the chart. This value is the risk index.
3. If applicable, make an adjustment to the risk index based on whether a product was issued and the type of recovery from the event:
 - a. If a product was issued, add 0.2
 - b. If there was recovery (i.e.: the actual event was prevented):
 - a) If unplanned recovery (i.e.: event was prevented by chance), add 0.1
 - b) If planned recovery (i.e.: event prevented by a designed barrier or checkpoint) - do not add anything
 - c. If the event occurred outside the transfusion service and was beyond the control of the TS, do not add anything**

B. Determination of Investigation Type:

If the risk index is ≥ 0.5 , a root cause analysis is recommended

C. Recommended Action for the Individual Event: (also include an external report, if appropriate)

If the risk index is < 0.5 , monitor the event type

If the risk index is ≥ 0.5 and ≤ 0.7 , monitor the event type, and consider change

If the risk index is > 0.7 , monitor the event type, and propose change

RISK ASSESSMENT INDEX (RAI)

QES x QEP = RISK INDEX

Quantified Estimate of Severity of Pt Harm(QES)		Quantified Estimate of Probability of Recurrence (QEP)					
		<u>Extremely High</u>	<u>Very High</u>	<u>High</u>	<u>Medium</u>	<u>Low</u>	<u>Very Low</u>
		0.99	0.90	0.75	0.50	0.25	0.10
Extremely High	0.99	1.0	0.9	0.7	0.5	0.2	0.1
Very High	0.90	0.9	0.8	0.7	0.4	0.2	0.1
High	0.75	0.7	0.7	0.6	0.4	0.2	0.1
Medium	0.50	0.5	0.4	0.4	0.2	0.1	0.05
Low	0.25	0.2	0.2	0.2	0.1	0.1	0.02
Very Low	0.10	0.1	0.1	0.1	0.05	0.02	0.01

Calculation of risk index:

Product issued	Add 0.2
Unplanned recovery	Add 0.1

Determination of investigation type:

>/= 0.5	Root cause analysis
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Recommended action:

<0.5	Monitor*
>/=0.5 and </=0.7	Monitor and consider change*
>0.7	Monitor and propose change*

* External Report if appropriate