

FMEA SCORING TOOL

*Risk Priority Number (RPN) is calculated by multiplying **Severity** score by **Probability** score by the **Detection** score. Issues are considered significant priorities if **RPN** is between 32-64 on scale of 1-64.*

	4	3	2	1
SEVERITY	CATASTROPHIC <i>Failure could cause death, injury</i> <u>Patient Outcome:</u> - Death or major permanent loss of function (sensory, motor, physiologic, or intellectual) <u>Visitor Outcome:</u> - A death; or hospitalization of ≥3 <u>Staff Outcome:</u> - A death; or hospitalization of ≥3 <u>Equipment/Facility damage:</u> - Fire beyond incipient stage; or damages ≥\$250,000	MAJOR <i>Failure could cause high degree customer dissatisfaction</i> <u>Patient Outcome:</u> - Permanent lessening of bodily functioning (sensory, motor, physiologic, or intellectual); or - Increased length of stay or increased level of care for ≥3 patients <u>Visitor Outcome:</u> - Hospitalization of 1-2 visitors <u>Staff Outcome:</u> - Hospitalization of 1-2 staff; or ≥3 staff experiencing lost time, or restricted duty <u>Equipment/Facility damage:</u> - Damages \$100,000-\$250,000	MODERATE <i>Failure can be overcome, but there is minor performance loss</i> <u>Patient Outcome:</u> - Increased length of stay or increased level of care for 1-2 patients <u>Visitor Outcome:</u> - Evaluation, treatment of 1-2 visitors <u>Staff Outcome:</u> - Medical expenses, lost time, or restricted duty for 1-2 staff <u>Equipment/Facility damage:</u> - Damages \$10,000-\$100,000; or - Fire, at/smaller than incipient stage	MINOR <i>Failure not noticeable to customer, no effect on delivery of service</i> <u>Patient Outcome:</u> - No injury, nor increased length of stay, nor increased level of care <u>Visitor Outcome:</u> - Evaluated, but no treatment <u>Staff Outcome:</u> - First aid only, no lost time, or restricted duty <u>Equipment/Facility damage:</u> - Damages <\$10,000; or loss of utility without adverse patient outcome
PROBABILITY OR OCCURRENCE	FREQUENT <i>Likely to occur immediately or within a short period (may happen several times in 1 year)</i>	OCCASIONAL <i>Probably will occur (may happen several times in 1 to 2 years)</i>	UNCOMMON <i>Possible to occur (may happen sometime in 2 to 5 years)</i>	REMOTE <i>Unlikely to occur (may happen sometime in 5 to 30 years)</i>
DETECTION	ALMOST IMPOSSIBLE <i>No known controls are available to detect failure mode</i>	REMOTE <i>Remote likelihood that current controls will detect failure mode</i>	MODERATE <i>Moderate likelihood that current controls will detect failure mode</i>	HIGH <i>High likelihood that current controls will detect failure mode. Reliable detection controls are known with similar processes</i>

Threat Detected	LST Category	Potential Failure Effect	Action Recommended by Scoring Team	Severity	Occurrence	Detection	RPN	30-day Post Simulation Action Taken
What is the process step, change or feature under investigation?	[Resource Issue, Process/Systems Issue, Facility Issue, Clinical Performance issue]	What is the impact on the customer if this failure is not prevented or corrected?	What are the recommended actions for reducing the occurrence of the cause or improving detection?					What action will be taken in relation to this finding and what will the follow-up plan be?

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Additional File 1: Appendix D. FMEA Scoring Rubric and Reporting Template