Supplemental Digital Content Table 2. Example of 5 Why’s for Root Cause Analysis

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| *Q: “Why do we routinely change PIVs every 72-96 hours?”* | A: “because that is what the hospital policy is”; |
| *Q: “Why does the policy state to change the PIV every 72-96 hours?”* | A: “because the INS guidelines recommended that cadence in 2006”; |
| *Q: “Why does the policy quote an outdated INS guideline?”* | A: “because current evidence was not used to update the policy in the every 3-year review cycle for clinical policies”; |
| *Q: “Why was evidence not use in the review cycle?”* | A: “because no specific reviewer was expected to check for new evidence”; |
| *Q: “Why not?”* | A: “because the standard work for reviewers to compare to current evidence was not done”; |
| *Q: “Why was the standard work not done?”* | A: “inadequate system of checks to assure that this step in the review got completed”; |
| *Q: “Why?”* | A: “the root cause is an inadequate system for our policies to stay updated with current evidence.” |