**Hazard Log**

**Instructions for use**

The table below should be used to log any hazards associated with the proper use of the eFI2 and incorporated eFI2 algorithms. We have included foreseeable hazards, but the intention is to update the hazard log if additional hazards come to light. Explanations of each column are shown, below.

* **Number**: An increasing index to identify and tally the count of hazards logged.
* **Date**: The date on which the hazard was logged. The format should be DD/MM/YYYY.
* **Hazard**: A short description of the hazard.
* **GitHub Issue**: The unique numeric identifier associated with every Issue that is posted as an ACMI repository Issue. Every hazard much be raised, discussed and closed as a GitHub issue.
* **Hazard Likelihood**: The subjective likelihood of the hazard occurring. Options are "High" (highly likely, score of 3), "Moderate" (moderately likely, score of 2), "Low" (unlikely, score of 1).
* **Hazard Impact**: The subjective magnitude of harm should the hazard be realised. Options are "High" (very harmful, score of 3), "Moderate" (moderately harmful, score of 2), "Low" (very low harm, score of 1).
* **Risk**: The product of Hazard Likelihood and Hazard Impact. Calculate the Risk by multiplying the Hazard Likelihood score by the Hazard Impact score. For example, a hazard that is highly likely ("High", Hazard Likelihood score = 3) but that that is not very harmful ("Low", very low harm = 1) has a Risk score = 3 x 1 = 3. The Risk associated with each Risk score are:
  + "High" 6 - 9
  + "Moderate" 3 - 4
  + "Low" 1 - 2 Therefore, our hypothetical hazard has a moderate risk.
* **Mitigation**: Details of the steps taken to reduce either the Hazard Likelihood or the Hazard Impact, or both.
* **Updated Risk**: A recalculation of the Risk in the context of the mitigations. Please, note the updated Hazard Likelihood score, Hazard Impact score, and updated Risk score in addition to the Updated Risk.

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| **Number** | **Date** | **Hazard** | **GitHub Issue** | **Hazard Likelihood** | **Hazard Impact** | **Risk** | **Mitigation** | **Updated Risk** |
| 1 | 30/11/22 | Misclassification of individual patient risk | n/a | Low | Moderate | Low | The eFI2 and incorporated eFI+ algorithms are population risk stratification tools. They are not able to identify individual risk. Therefore the tools should be used in conjunction with direct clinical assessment and clinical judgment before an intervention is or is not recommended by the physician. This is made clear in the eFI2 Instructions | Low |
| 2 | 30/11/22 | Missing SNOMED codes for a deficit | n/a | Low | Low | Low | The developers of the eFI2 and eFI+ have made every effort to ensure relevant SNOMED codes have been included to identify deficits. Should a user identify a code that has not been included, contact can be made with the developers (see risk management plan) and the code can be incorporated where appropriate. | Low |
| 3 | 30/11/22 | Incorrect SNOMED code contributing to a deficit | n/a | Low | Low | Low | The developers of the eFI2 and eFI+ have made every effort to ensure relevant SNOMED codes have been included to identify deficits. Should a user identify a code that does not correctly identify a deficit, contact can be made with the developers (see risk management plan) and the code can be removed where appropriate. | Low |
| 4 | 30/11/22 | Updates or changes in the coding system (e.g. SNOMED) used to define deficits | n/a | Moderate | Moderate | Moderate | The development team plan to keep in touch with the relevant software companies responsible for implementing the eFI2 and incorporated eFI+, which ensures early warning of upcoming changes in coding systems. The development team can then work on updating coding lists with like for like codes, where appropriate. | Low |
| 5 | 08/07/2022 | User eye strain | n/a | High | Low | Moderate | We recommend users take a break from the screen every 20 minutes | Low |