“The effectiveness of enhanced pulse oximetry sonifications for conveying oxygen saturation ranges: A laboratory comparison of five auditory displays”

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Supplemental materials in the zipped folder

Demonstration of tones 100-80% SpO₂ for Alarm Only (AO)
Example trial for Alarm Only (AO)
   (Silent until alarm sounds in Critical range)

Demonstration of tones 100-80% SpO₂ for Variable pitch (Vp)
Example trial for Variable pitch (Vp)
   (Variable pitch across all ranges)

Demonstration of tones 100-80% SpO₂ for Variable pitch + Alarm (Vp+A)
Example trial for Variable pitch + Alarm (Vp+A)
   (Variable pitch across all ranges, plus alarm sounds in Critical range)

Demonstration of tones 100-80% SpO₂ for Enhanced for Single Patient (EVp:S)
Example trial for Enhanced for Single Patient (EVp:S)
   (Variable pitch across all ranges, plus tremolo in Low range and tremolo and brightness in Critical range)

Demonstration of tones 100-80% SpO₂ for Enhanced for Multiple Patient (EVp:M)
Example trial for Enhanced for Multiple Patient (EVp:M)
   (Chirp in Target range, plus variable pitch across Low and Critical ranges, plus tremolo in Low range and tremolo and brightness in Critical range)

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Figure 1: SpO₂ values and trial tone numbers for example trial of enhanced sonifications.