

**ABSTRACT**

Disclosed is a computer system for alerting emergency services. The system comprises at least one monitoring device, at least one physical symptom device – each being a movement sensor device, an image capture device, or an audio receiver device – a transmitter, a processor, and memory. The memory stores a predetermined baseline for one or more vital signs of a patient, at least one physical symptom baseline, each physical symptom baseline corresponding to a device of the at least one physical symptom device and being a predetermined baseline movement, a predetermined baseline arrangement of facial features of the patient, or a predetermined baseline speech. The memory also stores instructions that, when executed by the processor, cause the at least one monitoring device to measure one or more vital signs of the patient, the processor to compare the vital sign(s) to the respective predetermined baseline for the one or more vital signs, and if the measured vital sign(s) exceed the predetermined baseline, detect one or more physical symptoms corresponding to the at least one physical symptom baseline, by causing the movement sensor device to measure a movement of one or more arms of the patient, the image capture device to image a facial arrangement of a face of the patient, and/or the audio receiver device to listen to a speech of the patient. The instructions further cause the processor to compare the one or more physical symptoms to the respective physical symptom baseline, and initiate contact of emergency services using the transmitter, if at least one of the one or more physical symptoms deviates from the respective physical symptom.

[FIG. 3]