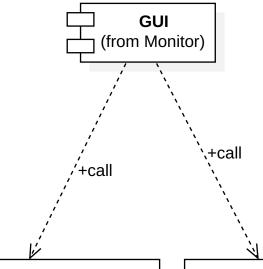


Model::Diagrams::Surveillance\_class



## **HRsurveillance** (from Surveillance)

-lowerhr\_int: int
-upperhr\_int: int
-sound: SoundAlert
-network: NetworkAlert
-text: DisplayAlert
-alarmstate: boolean

+updatelowerhr(lowerhr: String): void +updateupperhr(upperhr: String): void

+alertbreak(): void

+resetdefault(lowerhr: String, upperhr: String): void

+alerthr(): boolean

## SPO2surveillance

(from Surveillance)

-spo2\_int: int -warn: Alert

+alarmstate: boolean -sound: SoundAlert -network: NetworkAlert

-text: DisplayAlert

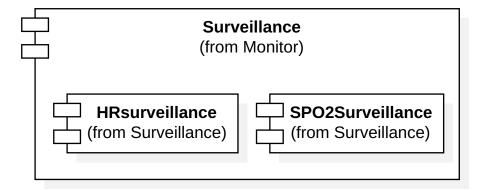
+updatespo2(spo2\_val: String): void

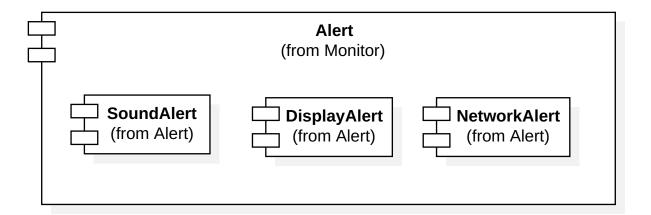
+alertbereak(): void

+resetdefault(spo2: String): void

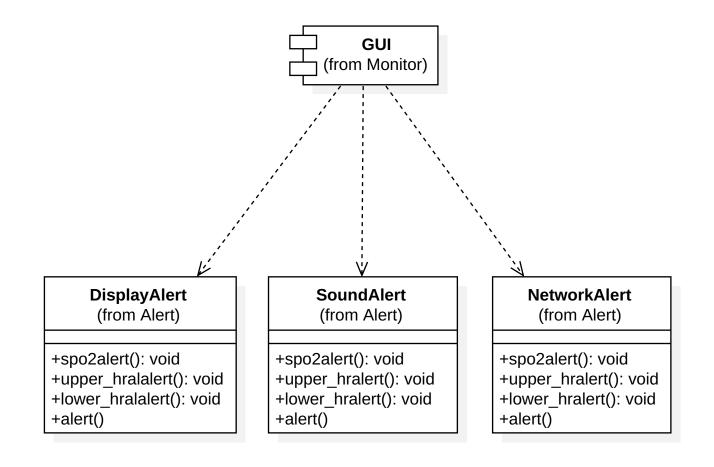
+alertspo2(): boolean

Model::Diagrams::Surveillance\_component

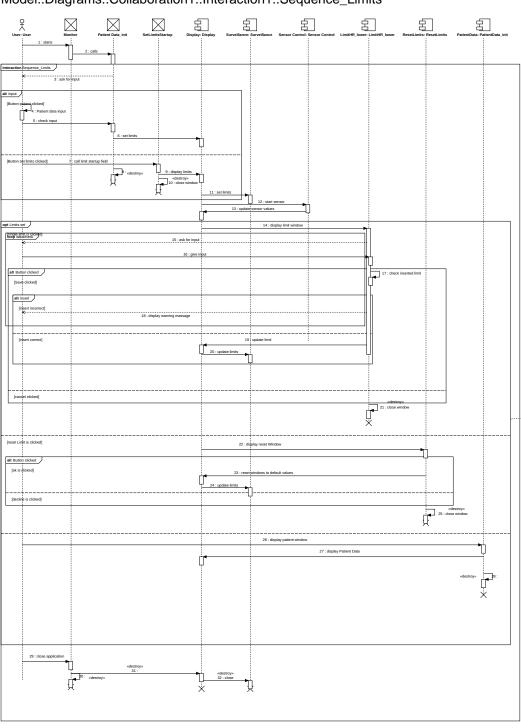




Model::Diagrams::Alert\_class



## Model::Diagrams::Collaboration1::Interaction1::Sequence\_Limits



This includes 4 optional functions:

- Set new upper HR limit
- Set new lower HR limit Set new SpO2 Limit
- Set Patient Data

All this methods display a field with with two buttons (save and decline) by clicking the decline Button, nothing happens. All displays have field(s) to enter value. If a value was

inserted and save was clicked, a check up is done if the inserted value is a correct input. If a correct value was inserted, Value gets displayed in the Display Window. Additional for set limit the value in Surveillance is set as Limit. Otherwise an error Massage is Displayed and asks for an correct input. Same actions are done if OK is clicked in the Reset

