MED1st MR
Mixed Reality Training

Mass Casualty Incident Preparedness

- Better prepare medical first responders for **stressful** and **complex** disaster situations.
- Train mass casualty incidents incl. **triage**, **communication**, and **organisation** on site.

Video Link

TRAIN [SKILLS. RESILIENCE. PERFORMANCE] SAVE LIVES

Innovative **mixed reality** technology **combining** medical patient **simulator mainikins** with **virtual environments** and **smart scenario control**:

- Trainer **defines scenario** (injuries etc.), incident, **level** of stress factors etc. for **each** training.
- **Trainees** execute **triage** on different virtual **patients** (some represented by simulation **manikins)**
- Trainer **adapts the scenario on the fly** based on trainee performance and stress level
- Automated **debriefing** with easy-to-replay **video analyses** including performance indicators

Project Organisation

- 3 years of European Research
- Horizon 2020 Grant No.: 101021775
- 18 partners - 9 European countries
- 7 medical first responder expert partners
- 4 Webinars on Research/Technology/EndUser
- 6 Field Trials all over Europe
- 1 Final Conference in Ranst, BE - 17th & 18th April 2024

SMART SCENARIO CONTROL

Wearable technology for monitoring trainees' stress load during sessions. Real-time scenario control through the trainer (dashboard) & the system (AI-based)

TRAINING FRAMEWORK & SCENARIOS

To train in high-risk situations like mass casualty incidents to improve the performance and resilience of the medical first responders

MIXED REALITY SOLUTION & MANIKIN & WEARABLES

Advanced MR medical training solution featuring haptic feedback & sense of touch by the integration of VR-enabled manikins. Wearables for biosignal measurement of trainees during training.

HORIZON 2020

www.med1stmr.eu