IDF Healthcare Services Center Personnel Response Capabilities During Operation Roaring Lion: The Story of the RAM2 Platform

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Introduction

- **Modern military conflicts** require **close coordination** between **military** medical personnel and **civilian** healthcare infrastructure during prolonged combat operations.
- During "**Operation Roaring Lion**," the IDF Medical Corps utilized the **RAM 2** platform, a real-time **casualty tracking and management system**, to maintain oversight of wounded personnel treated in civilian hospitals.
- The platform enabled continuous monitoring of casualties evacuated outside military medical facilities while supporting operational decision-making and continuity of care.
- This study **evaluated** casualty documentation accuracy, operational readiness, response capabilities, and integration of military and civilian healthcare systems during peer-to-peer combat operations.

Methods

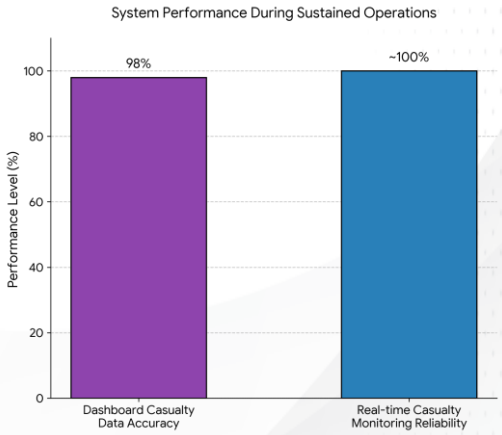
- **Mixed-methods study** integrating **quantitative** operational performance analysis with **qualitative** interviews from medical personnel and healthcare providers.
- **Quantitative** analysis included dashboard performance metrics, casualty classification accuracy, response times, and reliability of real-time monitoring systems using operational data.
- **Qualitative** data were collected through 15 semi-structured interviews examining operational strengths, challenges, coordination processes, and personnel experiences.
- The study focused on evaluating the **RAM 2** platform's role in prolonged casualty management within civilian healthcare infrastructure during large-scale combat operations.

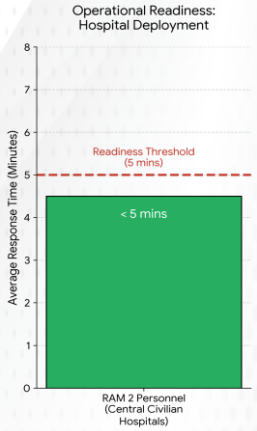
Conclusions

- The **RAM 2** platform demonstrated **high effectiveness** for casualty management during sustained combat operations involving civilian hospital infrastructure.
- Real-time monitoring capabilities provided an **evidence- based foundation** for operational decision-making and medical recommendations to combat forces.
- **Successful implementation** depended heavily on experienced personnel, rapid response capability, and strong civil-military medical integration.
- **Future requirements** include development of standardized operational doctrine, continued investment in data-driven casualty management systems, and enhanced training frameworks for prolonged combat casualty care in civilian medical facilities.

Results

- Dashboard casualty data accuracy reached **98%**, while real-time casualty monitoring capabilities approached **100%** reliability during sustained operations.
- Average response time for **RAM 2** personnel at central civilian hospitals was **less than 5 minutes**, demonstrating **high operational readiness**.
- Injured personnel expressed **significant satisfaction** with casualty management and medical response processes during hospitalization in civilian facilities.
- The **RAM 2** platform proved **effective** in supporting operational oversight, data-driven decision-making, and coordination of military casualty care within non-military healthcare systems.





Five Key Themes