

RESOURCE ALLOCATION

Resource Allocation and Tiered Medical Service Adaptations in the IDF Healthcare Services Center During Operation Roaring Lion

Dr. Daniel Elbo Arama, PhD^{1,2,3}; Prof. Declan McGuone, MB, BCh³; Itai Even-Tov¹; Yael Ben-Yehuda¹; Rom Nesher¹; Dr. Dean David Lichter, MD¹; Dr. Matan Daniel, MD¹; Or Zer¹; Viktoria Gulyaev¹; Ilay Re'em¹; Roie Sabban¹; Dr. Avi Shina, MD¹

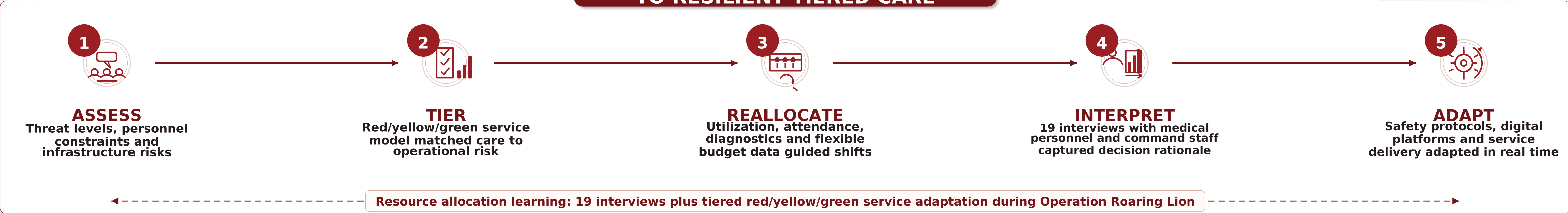
1. Department of Military Medicine and "Tzameret", Faculty of Medicine, The Hebrew University of Jerusalem and Israel Defense Forces Medical Corps, Jerusalem, Israel
2. School of Public Health, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, Israel 3. School of Medicine, Yale University, New Haven, CT, USA

TAKE-HOME MESSAGE

A formalized, tiered "traffic-light" model, combined with rapid digital-health adoption and flexible budgeting, enabled the IDF Medical Corps to preserve operational capacity and patient safety under severe uncertainty. Future resilience depends on pre-authorized emergency procurement, protected infrastructure for critical diagnostics, and standardized civilian-military coordination.

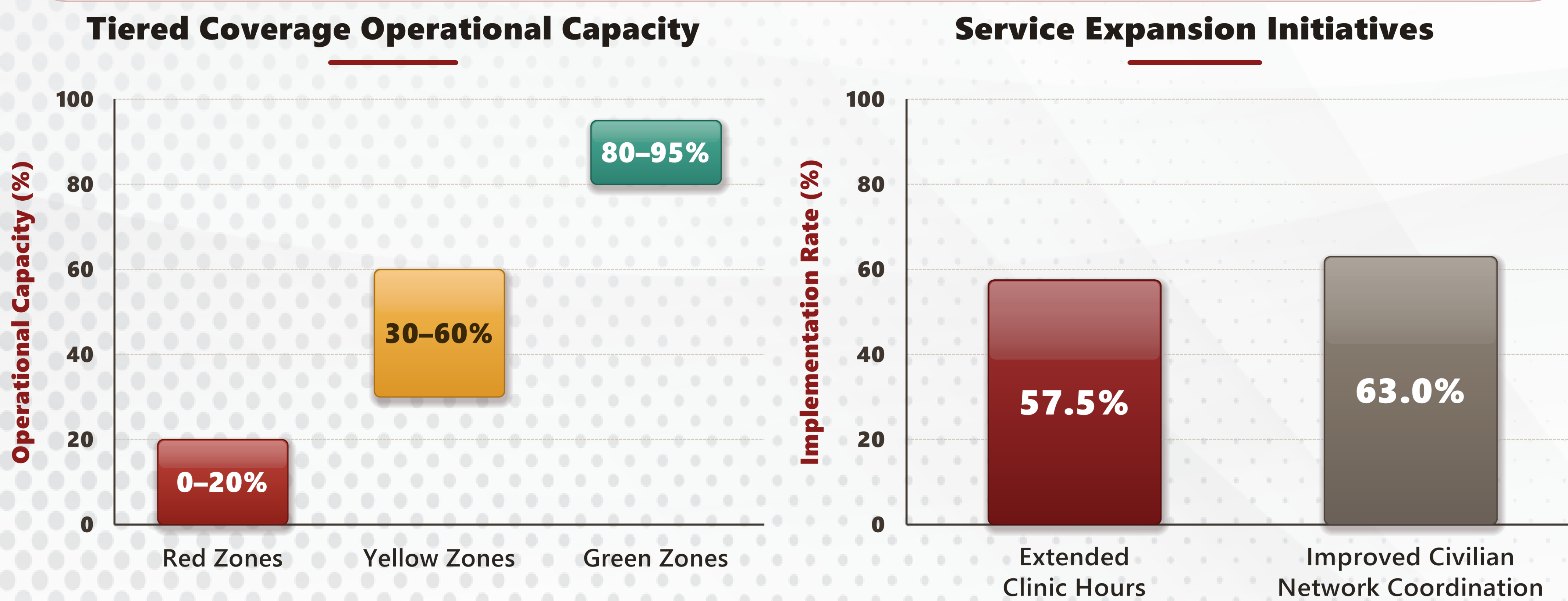


FROM REAL-TIME CONSTRAINTS TO RESILIENT TIERED CARE



Quantitative Results

Based on a complete cohort analysis (100% of patients), 1 March – 15 June 2026



Qualitative Results - Four Themes Emerged, n = 19

Resource Allocation & Tiered Medical Service Adaptations

01

Prioritization of patient safety

02

Effectiveness of traffic-light method

03

Value of night/Friday service shifts

04

Importance of preparedness exercises and civilian collaboration

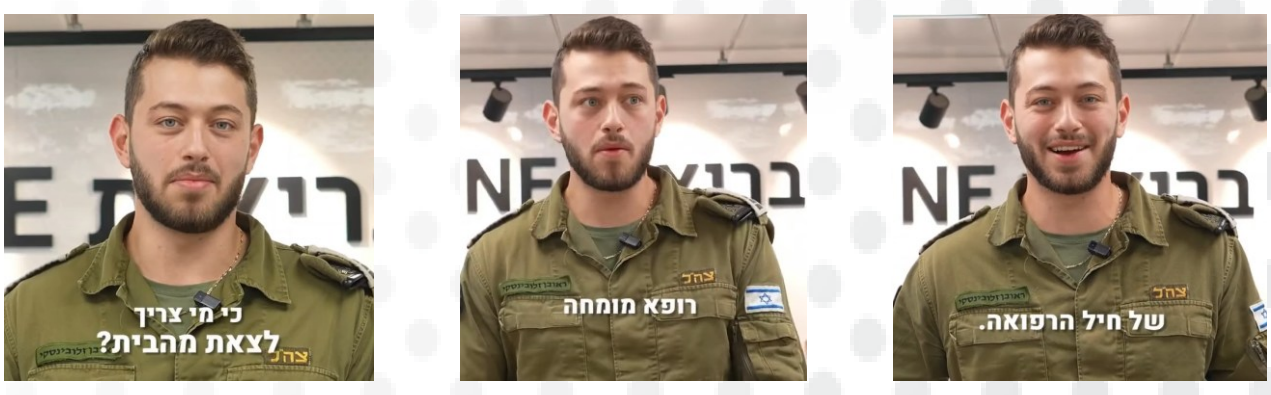
WHY IS THIS IMPORTANT?

Addressing the "Human Element" of Telemedicine

Technical deployment is only half the battle. Sustaining a remote clinical workforce demands active management of provider burnout, emotional strain, and the need for professional recognition — not merely the rollout of infrastructure.

SCIENTIFIC RIGOR & LIMITATIONS

This study integrated a substantial qualitative component — 19 in-depth interviews with content experts — with quantitative data capturing 100% of the medical services delivered. However, findings were not benchmarked against external comparators, and the design does not support causal inference.



150% INCREASE

150% increase in utilization of night and weekend telemedicine shifts

3 CIVILIAN CENTERS

3 civilian centers repurposed as clinics delivering military medical response within population centers

100% ASSESSMENTS

100% of twice-daily situation assessments (March 1 - June 20) incorporated the traffic-light policy status and actions taken into decision-making

4 PROCESSING CONVERSATIONS

4 Processing conversations, peer discussion, and sharing of work and task content

Abstract disclaimer: The authors declare that they have no conflicts of interest or disclosures relevant to the content of this abstract. All research procedures were conducted in accordance with established ethical guidelines and with the approval of the appropriate institutional review board. The findings presented are based on the data available at the time of submission and may be subject to further analysis or refinement.

Drdaniel@idf.il
 Elbodaniel@gmail.com
 www.linkedin.com/in/Daniel-elbo-arama
 <https://orcid.org/0000-0002-2815-6125>
 Dr. Daniel Elbo Arama

At the moment of truth,
IDF MEDICAL CORPS.