

CIMA CARE POLICY BRIEF

Strengthening Global Immunization Systems Through Digital Innovation and Evidence-Based Capacity Building

EXECUTIVE SUMMARY

CIMA Care presents a comprehensive, evidence-based digital health ecosystem designed to strengthen national immunization programs across diverse health system contexts. Our integrated three-pillar approach combines advanced digital health technology, internationally certified professional development, and evidence-based community engagement to achieve measurable improvements in vaccination coverage while building sustainable local capacity. With documented vaccination improvements of 23% in Cameroon and 19% in Jordan, coupled with training delivered to approximately 3,000 healthcare professionals across 77 countries, CIMA Care demonstrates the transformative potential of holistic digital health solutions in advancing global immunization goals.

GLOBAL IMMUNIZATION CHALLENGES

The global immunization landscape faces unprecedented challenges that threaten decades of progress in child health protection. The COVID-19 pandemic has exacerbated existing vulnerabilities, creating critical gaps in vaccination coverage that demand innovative, scalable solutions.

Key Challenges:

- Post-pandemic immunization backlog affecting millions of zero-dose and under-immunized children globally
- Healthcare workforce capacity gaps limiting program effectiveness and sustainability
- Vaccine hesitancy driven by misinformation and inadequate parent education
- Fragmented health information systems hindering data-driven decision-making
- Resource constraints in low- and middle-income countries requiring cost-effective interventions
- Limited systematic approaches to defaulter identification and follow-up

These interconnected challenges require comprehensive solutions that address both technological infrastructure and human capacity development while remaining feasible for implementation in resource-limited settings.

CIMA CARE COMPREHENSIVE SOLUTION

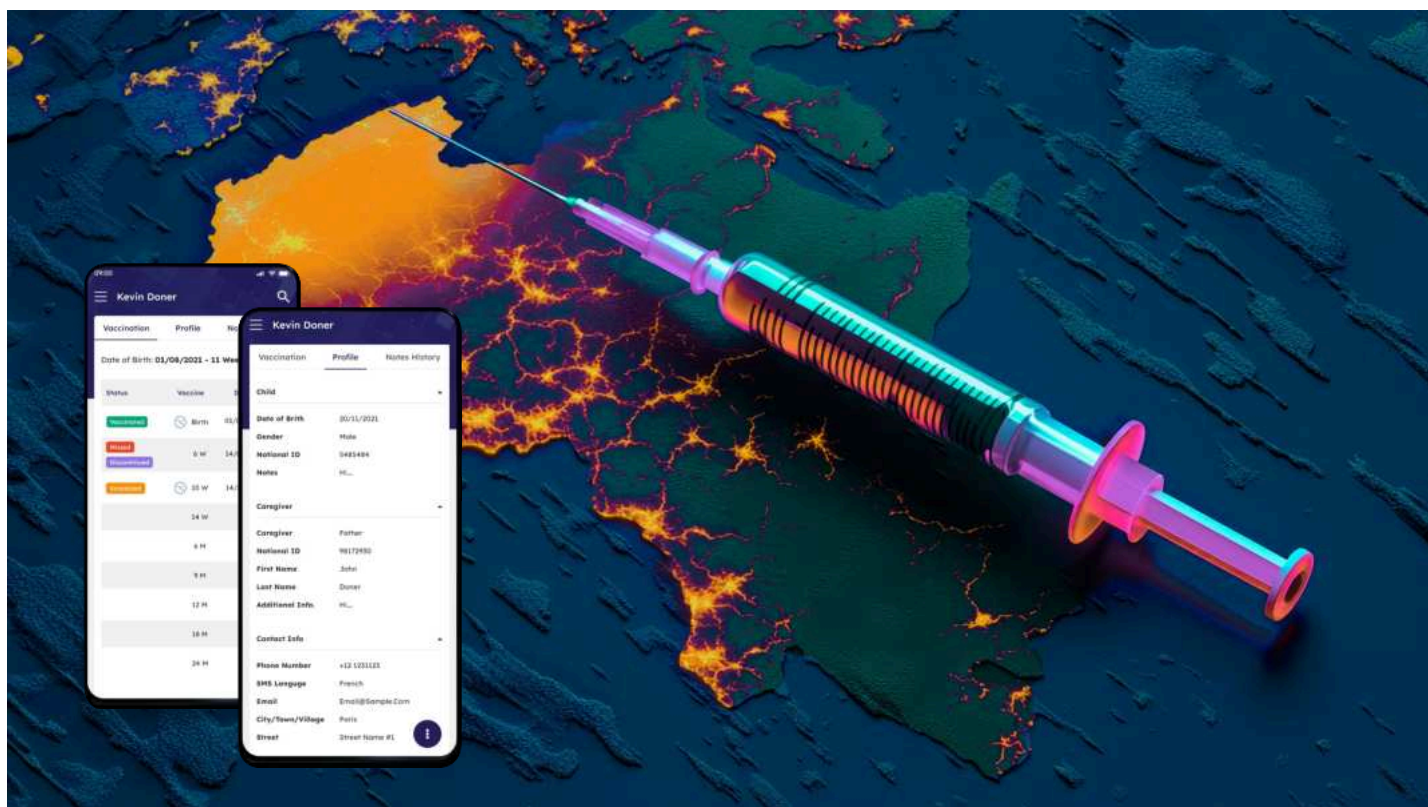
CIMA Care addresses these multifaceted challenges through an integrated ecosystem that combines digital health technology, professional capacity building, informed decision-making, and evidence-based community engagement. Our approach aligns with WHO's Immunization Agenda 2030, the UN Sustainable Development Goal 3, and the global Big Catch-Up initiative, providing practical tools for national health systems to achieve immunization targets.

Three-Pillar Integrated Ecosystem

Pillar 1: Advanced Digital Health Platform

The CIMA digital platform provides comprehensive immunization program management through mobile and web-based applications designed for diverse health system contexts, from well-resourced facilities to remote, resource-limited settings.

- Real-time vaccination tracking with offline functionality, ensuring data continuity
- Intelligent defaulter identification system and automated multilingual SMS reminders
- Advanced data visualization through interactive heat maps and coverage dashboards supporting strategic resource allocation
- AEFI monitoring system and vaccine stock management with DHIS2-compatible, blockchain-ready architecture



Pillar 2: CIMA Health Academy—CPD-Certified Professional Development

CIMA Health Academy addresses critical healthcare workforce capacity gaps through internationally recognized professional development programs. As a certified member of the CPD Certification Service (Member #19938), the Academy delivers evidence-based training that strengthens local health system capacity while providing globally recognized credentials.

- Specialized courses spanning hours of content worth accredited CPD credits, with a continuously expanding curriculum
- Nearly 3000 healthcare professionals trained across 77+ countries with three independently CPD-UK certified courses
- Content aligned with WHO, UNICEF, GAVI, and international health authority frameworks, ensuring evidence-based standards

Pillar 3: Evidence-Based Parent Education and Community Engagement

Recognizing that sustainable immunization improvements require community-level engagement, CIMA Care delivers scientifically validated health messaging to parents through accessible, low-infrastructure channels that combat misinformation while building vaccine confidence.

- SMS-based delivery system requiring no smartphones or internet connectivity, ensuring accessibility in resource-limited settings
- WHO, UNICEF, and UNODC-validated content covering vaccination, nutrition, breastfeeding, parenting, and child development
- Developmental milestone-aligned messaging with multilingual support and a holistic family wellness approach



EVIDENCE OF MEASURABLE IMPACT

CIMA Care's effectiveness is demonstrated through rigorous evaluation across diverse contexts, from humanitarian settings to established national health systems. Our evidence base includes peer-reviewed publications, institutional partnerships, and documented outcomes from multiple regions.

Quantitative Outcomes

- 23% vaccination improvement in Cameroon's Bamenda Region across four clinics
- 19% vaccination improvement in Jordan's Zaatari Refugee Camp
- Return rates increased from 20.7% to 24.6% in the Jordan refugee vaccination trial
- 99% success in decreasing defaulter rates in Northwest Cameroon (Dr. Cornelius Chebo, EPI Coordinator)
- 2,763+ healthcare professionals trained across 77+ countries

POLICY IMPLICATIONS AND STRATEGIC VALUE

CIMA Care's comprehensive ecosystem offers health systems and policymakers a strategic approach to addressing immunization challenges through integrated solutions that deliver measurable outcomes while building sustainable local capacity.

Strategic Advantages for National Health Systems

- **Cost-Effective Implementation:** Minimal infrastructure investment with sustainable, low-maintenance technology requiring limited ongoing support
- **System Integration:** DHIS2-compatible and blockchain-ready architecture enabling seamless connection with existing health information systems
- **Measurable Impact:** Documented 19-23% vaccination coverage improvements with proven scalability across humanitarian settings, conflict-affected regions, and established health systems
- **Sustainable Capacity Building:** Internationally recognized CPD-certified training strengthening local healthcare competencies without creating external dependencies, while advancing UN SDG 3 and WHO Immunization Agenda 2030 targets

RECOMMENDATIONS FOR HEALTH SYSTEMS AND POLICYMAKERS

Based on documented outcomes and strategic alignment with global health priorities, CIMA Care presents a viable pathway for health systems seeking to strengthen immunization programs while building sustainable local capacity.

- **Pilot Implementation:** Consider a phased deployment, starting with selected facilities, to demonstrate feasibility and impact within local contexts
- **Workforce Development:** Integrate CIMA Health Academy's CPD-certified training into national professional development frameworks
- **System Integration:** Leverage DHIS2 compatibility to enhance existing health information systems without requiring parallel infrastructure
- **Multi-Sector Collaboration:** Engage governmental health ministries, academic institutions, and civil society organizations in comprehensive implementation planning
- **Evidence Generation:** Establish monitoring and evaluation frameworks to document local impact and contribute to the global evidence base
- **Sustainability Planning:** Develop long-term capacity-building strategies ensuring local ownership and reducing external dependencies



CONCLUSION

The global immunization landscape requires innovative, evidence-based solutions that address both technological infrastructure and human capacity development. CIMA Care's comprehensive three-pillar ecosystem demonstrates that meaningful improvements in vaccination coverage are achievable through integrated approaches that combine digital health innovation, professional development, and community engagement. With documented success across diverse contexts and strong alignment with global health priorities, CIMA Care offers health systems and policymakers a strategic pathway toward achieving immunization targets while building sustainable local capacity. The evidence supports consideration of CIMA Care as a viable partner in strengthening national immunization programs and advancing global health equity.



FOR FURTHER INFORMATION

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Building a Healthier, More Equitable Future Together