

CASE STUDIES

SCALING COMBAT MEDICINE EXPERTISE: HOW DEPLOYED MEDICINE REACHES 300,000+ USERS WORLDWIDE



THE CHALLENGE

When the Joint Trauma System (JTS) analyzed battlefield casualties in Iraq and Afghanistan, they discovered a critical gap:

25%
OF DEATHS
were preventable

WITH

80%
DUE TO POOR
tourniquet protocol

This made clear the need for current, standardized trauma care training at the point of need - especially in austere environments.

Traditional training systems created barriers:



Content updates were slow and costly to distribute.



Materials weren't accessible in disconnected or austere environments.



No standardization across training programs, leading to instructor drift.



Limited insights into training implementation and outcomes.

The DoD needed a solution that could scale expertise from a handful of subject matter experts to tens of thousands of medical trainers, who would in turn support an even larger audience of service members whose lives depended on having the right information at the right moment.

THE SOLUTION

Capillary-powered training at scale

Deployed Medicine, built on Capillary, became the DoD's designated single-source platform for Tactical Combat Casualty Care (TCCC) training. The platform addresses the fundamental challenge facing essential services: how to scale limited expertise to serve unlimited needs.

Content that stays current

Capillary's content management infrastructure allows JTS to publish and update training materials quickly and reliably. Instead of managing complex distribution chains, the JTS maintains a single source of truth that automatically reaches users worldwide—whether they're connected to high-speed internet or working offline in remote locations.

The platform delivers on-demand training, and course bearing certificates for:

- All Service Members (ASM)
- Tactical Combat Casualty Care (TCCC)
- Prolonged Casualty Care (PCC)
- Surgical Combat Casualty Care (SCCC)
- Regular updates reflecting the latest clinical practice guidelines
- Service-specific collections, curated by subject matter experts

Access where and when it matters

Built on Capillary's multi-platform architecture, Deployed Medicine works seamlessly across:

- iOS and Android mobile devices
- Web browsers (deployedmedicine.com)
- Offline environments (store-and-forward)

This accessibility proved critical during Russia's invasion of Ukraine. In the 30 days following the invasion, Deployed Medicine saw a **700% increase** in user sessions in Ukraine alone, quickly becoming the second-largest user base behind only the United States. Service members under fire could access life-saving protocols without regular access to the internet.



Training infrastructure that scales

Capillary's learning management capabilities support multiple delivery methods:



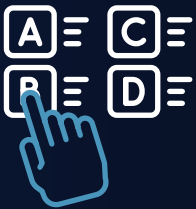
HYBRID TRAINING

Instructors can blend self-directed learning with hands-on practice, using the flipped classroom model to maximize hands-on instructional time while reducing didactic instruction costs.



INSTRUCTOR TOOLS

Instructors monitor course content use and completion, with access to digital checklists for recording essential competencies demonstrated by trainees.



ASSESSMENTS

Courses include formative and summative assessments with anti-cheating features like randomized test questions from pre-approved question banks.



CERTIFICATES

Proof of completion available as downloadable PDFs with learner name, course name, and completion date.

One early adopter, Fort Cavazos Medical Simulation Training Center, represents approximately 6,800 completed course enrollments annually, with an instructor-to-learner ratio of 1:972—demonstrating how Capillary enables small teams to support massive training audiences.

THE IMPACT:

EXPERTISE AT THE POINT OF NEED

300k+
REGISTERED USERS
worldwide



200k+
ENROLLMENTS ACROSS
platforms

85k+
ACTIVE ENROLLMENTS

1200+
INSTRUCTORS

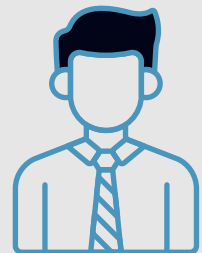


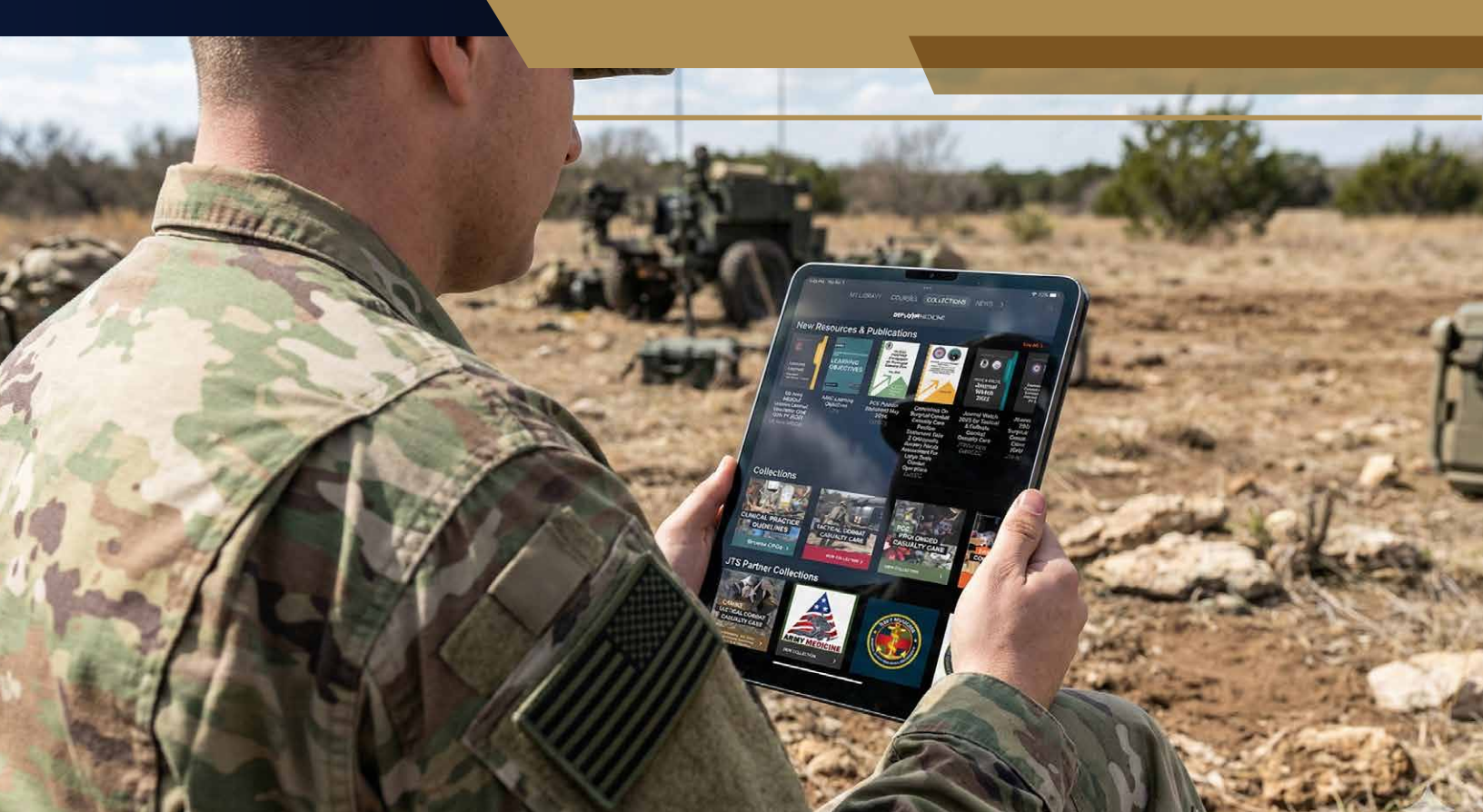
"I now tell all of my students to get this app because it's the single best source of TCCC information. For an educational tool, I think it's unparalleled."

— iOS App Store Review

"Honestly hands down the best medical app and I think most useful medical educational app on the play store. Highly recommend!!"

— Google Play Review





INSTANT EXPERTISE, ZERO WAIT TIME: AI-POWERED SUPPORT

The Evolution: AI-Powered Performance Support

As Deployed Medicine expanded its reach, the team recognized an opportunity to provide even more immediate support to learners—without requiring additional instructor time.

Trustworthy AI

Using Capillary Collections, the Deployed Medicine team created structured knowledge bases from the extensive body of authoritative content published on the platform. These collections power intelligent chat agents that can answer questions based exclusively on approved Clinical Practice Guidelines (CPGs) and other official materials.

This approach eliminates the risk inherent in general-purpose AI tools:



No hallucinations:

Responses draw only from verified, authoritative sources.



No unofficial content:

The system won't search the web or reference unapproved materials.



Complete trust: Users can be confident answers reflect current JTS protocols.



24/7 availability:

Trainees get expert-level guidance without waiting for instructor availability.

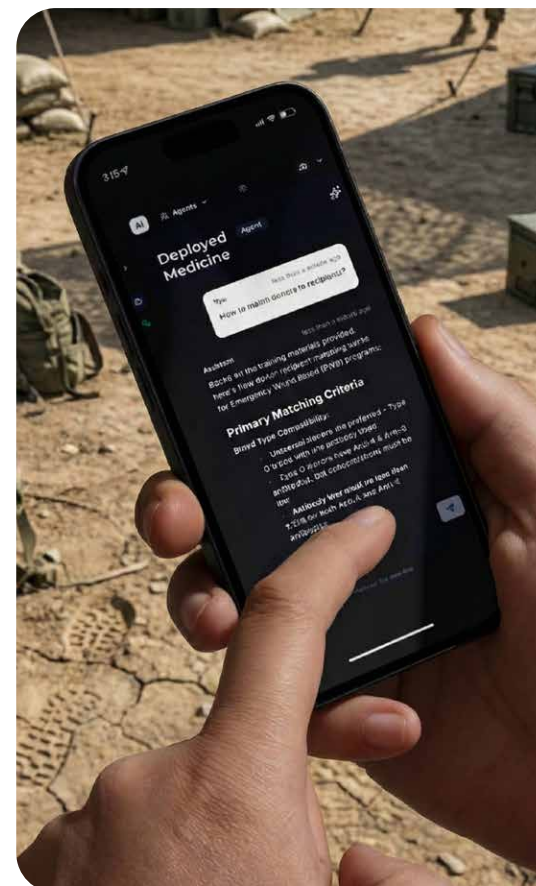
The AI-powered coaching enhances trainee comprehension and performance while reclaiming valuable instructor time for hands-on skill development and competency verification.

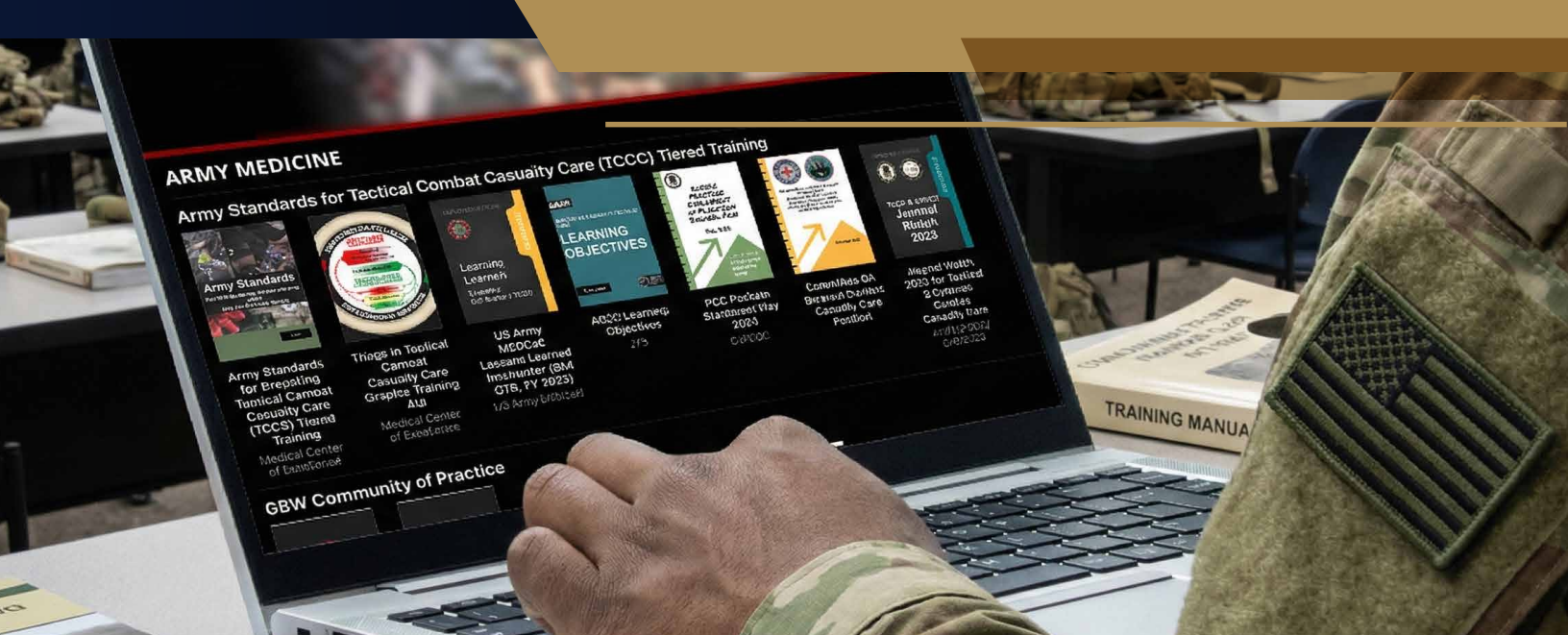
Why This Matters for a Ready Medical Force

The challenges facing JTS mirror those across law enforcement, emergency services, and healthcare:

Limited subject matter experts need to support vast, distributed workforces who operate in high-stakes environments where having the right information at the right moment can mean the difference between life and death.

Traditional training models don't scale. Online-only systems fail in disconnected environments. Static content becomes outdated. And overstretched instructors can't provide personalized support to every learner who needs it.





Capillary addresses these challenges by:



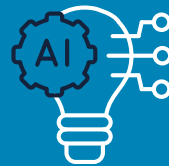
Scaling expertise from small teams of subject matter experts to unlimited audiences.



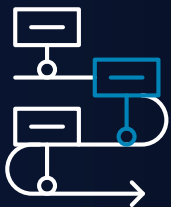
Ensuring accessibility in both connected and austere environments.



Maintaining currency with streamlined content updates.



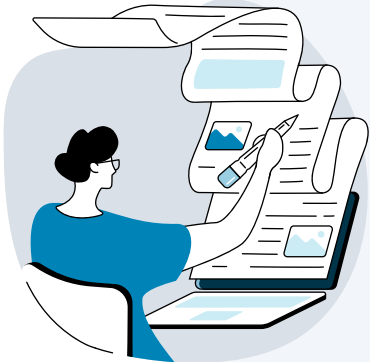
Providing intelligent support through AI-powered coaching grounded in authoritative materials.



Reclaiming instructor time by automating routine guidance while preserving instructor focus for high-value interactions.

THE TECHNOLOGY FOUNDATION

Deployed Medicine demonstrates Capillary's core capabilities:

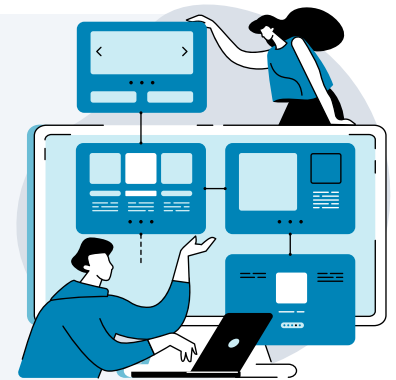


Content Management

- Single-source content architecture.
- Streamlined publishing workflows.
- Version control and update management.
- Multi-format support (video, documents, interactive modules).

Multi-Platform Delivery

- Native mobile apps (iOS and Android).
- Responsive web interface.
- Full offline functionality with content sync.
- Consistent experience across devices.

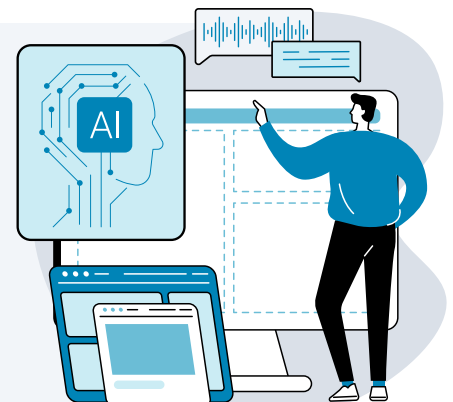


Learning Management

- Self-directed and instructor-led course support.
- Progress tracking and completion monitoring.
- Formative and summative assessments.
- Certificate generation and verification.

AI-Powered Support

- Knowledge base creation from existing content.
- Intelligent chat agents with source attribution.
- Controlled information boundaries (no web search, no hallucinations).
- 24/7 availability for learner questions.



LOOKING FORWARD

The success of Deployed Medicine continues to drive adoption. Deployed Medicine onboarded **70,000 learners** and delivered an additional 25,000 certificates in the last calendar year, and new collections from groups like Uniformed Services University are published every month. Future opportunities on the Capillary platform include:



SOCIAL LEARNING

Enabling discussion between learners and social sharing of training achievements, supported by extensive research showing enhanced outcomes for collaborative learning.



COMPETENCY MODELS

Integrating data from mannequins, AR/VR, and other training technologies to build more comprehensive analytics of force readiness.



ADVANCED ANALYTICS

Deeper insights into learning patterns, knowledge gaps, and training effectiveness to continuously improve outcomes.

YOUR EXPERTISE CAN SCALE TOO

Whether you're training law enforcement officers, emergency responders, military personnel, or healthcare workers, you face similar challenges: how to ensure your people have access to current, reliable information when they need it most—often in high-pressure situations where lives are on the line.

Capillary provides the infrastructure to scale your expertise, reclaim your subject matter experts' time from repetitive administrative tasks, and deliver intelligent performance support that your people can trust.

For more information about Allogy's Capillary platform and how it can scale expertise in your essential services organization, visit allogy.com.