



People - Win - Transform

US Special Operations Command



USSOCOM Brain Health Program

11 September 2024

COL Amanda Robbins



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DISCLOSURE

- **Neither I nor my spouse/partner has a relevant financial relationship with a commercial interest to disclose**



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USSOCOM BRAIN HEALTH PROGRAM

1st SOF Truth *“People Are More Important Than Hardware”*



Aligns medical and operational resources to ensure the brain health and superior cognitive performance of SOF Service Members.

Proactively sustain and extend the lifecycle of our Forces and ensure optimal healthcare of warfighters during and after service

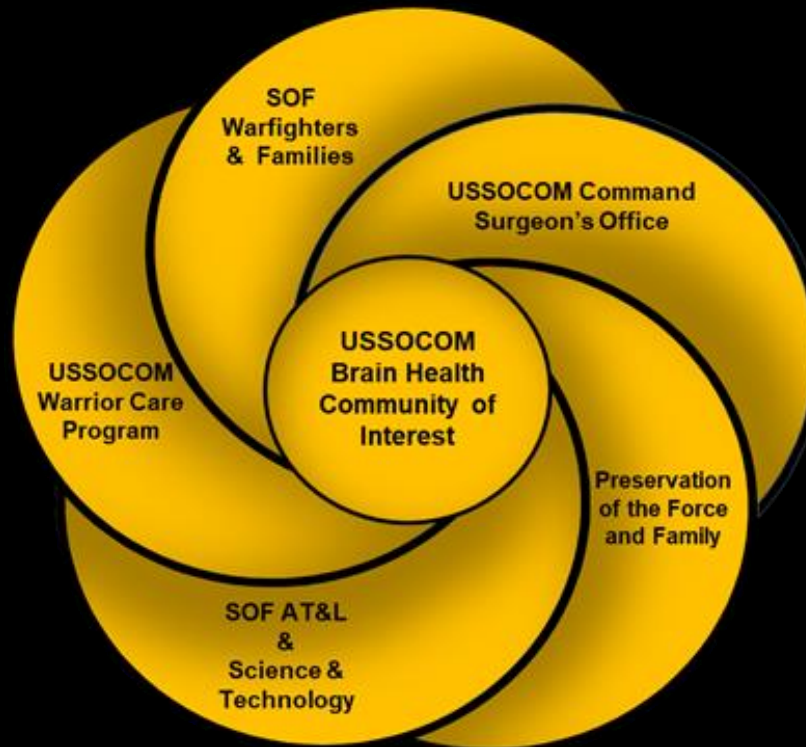


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COMMITMENT TO BRAIN HEALTH

Intent:

Monitor, enhance, and advance the cognitive health and performance of the SOF Service Member to meet the operational demands now and in the future.



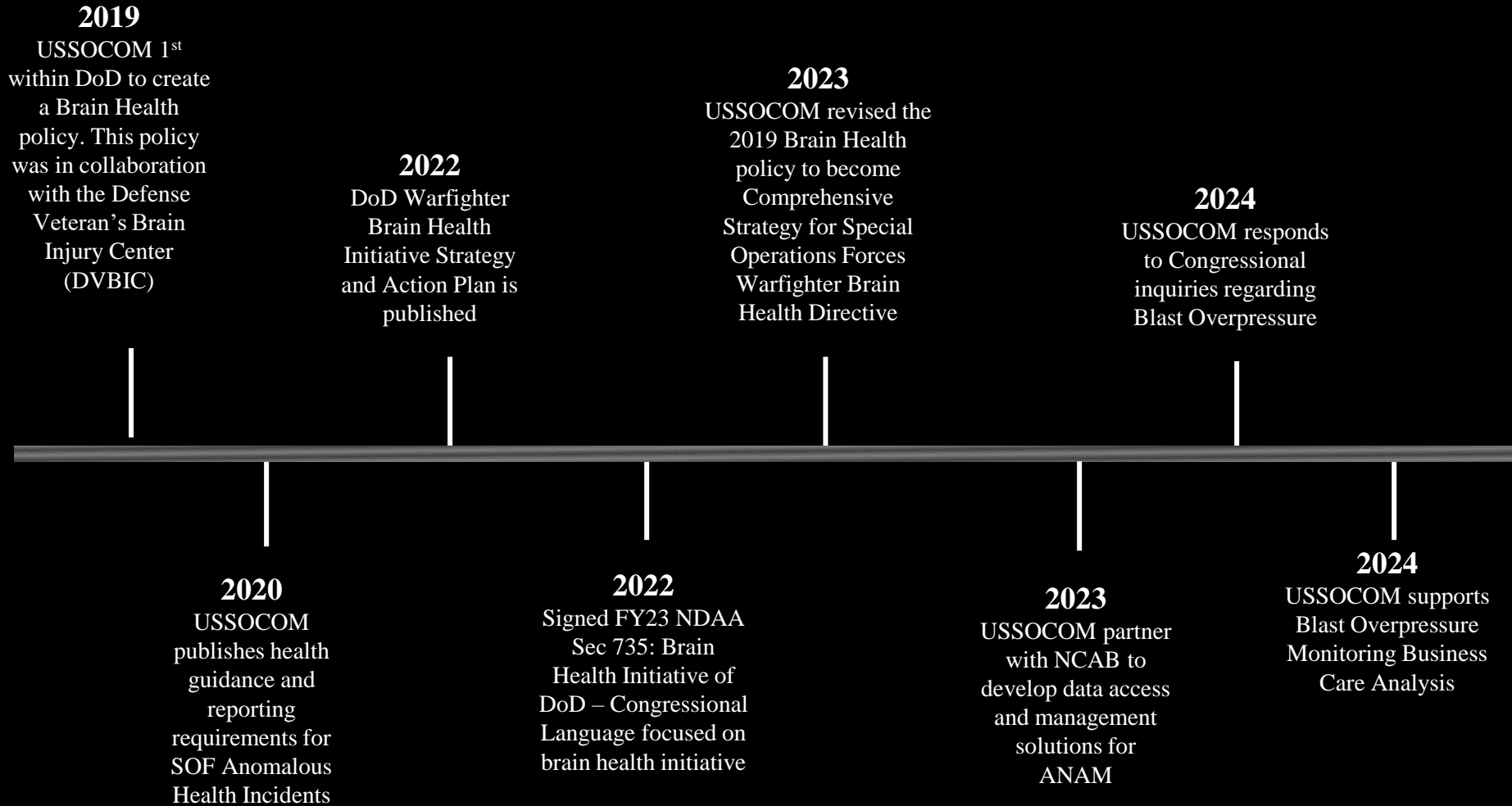
End State:

USSOCOM sets the standard for effectively monitoring, optimizing, and protecting SOF personnel brain health and cognitive performance; connecting Service Members to resources during and after service.



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COMMITMENT TO BRAIN HEALTH





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BRAIN HEALTH LINES OF EFFORT

Monitor

Monitor Brain Health & Cognitive Performance
to Keep Warfighters Lethal Longer

- ❖ Neurocognitive Assessment Tool (NCAT)
- ❖ Comprehensive Assessment & Symptom History (CASH)
- ❖ Blast Exposure Monitoring (BEMO)
- ❖ Anomalous Health Incident (AHI)

Enhance

Optimize Cognitive Capacity, Agility, &
Resiliency

- ❖ Cognitive Performance
 - ❖ Sleep
 - ❖ Self-Regulation
 - ❖ Attention
 - ❖ Memory
- ❖ Biofeedback/Neurofeedback
- ❖ Human Performance Data Management System

Advance

Leverage Innovation in Science & Technology to
Further Cognitive Function & Protection

- ❖ Biomedical Research Advisory Group
- ❖ Human Performance Research Advisory Group
- ❖ Blast Mitigation Innovation
- ❖ Cognitive Performance Research
- ❖ Longitudinal Blast Study
- ❖ Engage with ESOB/BAA

Connect

SOF Wounded, Ill, & Injured to Treatment
Options & Resources to Optimize Care During
& After Service

- ❖ Community Based Treatment
- ❖ VA Partnerships
- ❖ Care Coordination
- ❖ Non-Profit Network
- ❖ SOF For Life
- ❖ Warrior Games
- ❖ Force & Family Council



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HOW DO WE DO THIS

- **Mitigating Blast Overpressure for Military Personnel**
- **Research & Development**
- **Data & Analytics**



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CHALLENGES & OPPORTUNITIES

- **Continue to encourage a culture of extending career and performance through seeking help**
- **Objective exposure data**
- **Sustained research efforts**
- **Leveraging Artificial Intelligence (AI), Predictive Modeling, and Digital Twins**
- **Prioritizing data integration**



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CALL TO ACTION

1st SOF Truth *“People Are More Important Than Hardware”*



As we work toward our goals and overcome persistent challenges, we seek to foster collaboration and innovation in military brain health. Ongoing partnerships are essential to the accomplishment of this mission. Join us in driving forward military brain health through continued collaboration and innovation to support USSOCOM in reaching its objectives and addressing present challenges.



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