2026

Good Health Geek

U.S. LAW ENFORCEMENT PERFORMANCE BRIEFING

Exploring the Human Factors Behind Officer Readiness & Performance

WHEN SECONDS MATTER, BIOLOGY MATTERS

THE JOB DOESN’T WAIT FOR RECOVERY

THE COST CAN ACCUMULATE

A DIFFERENT APPROACH TO OFFICER WELLNESS

HEALTHIER OFFICERS.
SAFER COMMUNITIES.
STRONGER TOMORROWS.

GOOD HEALTH GEEK

GOOD HEALTH GEEK

CHEMISTRY AT WORK™

REAL BIOLOGY. REAL PERFORMANCE.

THE BIOLOGY BEHIND EVERYDAY PERFORMANCE

Chemistry at Work™ helps people understand the biological factors that influence how they feel, function, and perform.

WHAT WE HELP ADDRESS

- **Energy & Stamina**
- **Mood & Emotional Regulation**
- **Focus & Cognitive Function**
- **Sleep Quality & Recovery**
- **Stress Response & Resilience**
- **Nutritional & Metabolic Health**

LET'S CONNECT

Learn more about Chemistry at Work™ for law enforcement and other demanding professions.

Scan to explore the program

Email: connect@goodhealthgeek.com

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Website: goodhealthgeek.com/law-enforcement

Healthier People. Stronger Performance. Better Tomorrows.

GOOD HEALTH GEEK
CHEMISTRY AT WORK™

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Engaging video experiences, tools, and practical strategies for real work and real challenges.

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Functional assessments that provide meaningful, personalized insight.

Support Beyond the Program

Access to registered dietitians for ongoing, individualized nutritional guidance.

LAW ENFORCEMENT
PEOPLE I READINESS | STRONGER TOMORROWS

Officer Readiness Has a Biological Foundation

WHEN SECONDS MATTER, BIOLOGY MATTERS.

Police officers train for judgment, situational awareness, physical response and decision-making under pressure.

But when a situation changes in an instant, training is being executed by a living biological system.

During acute stress, physiological changes can occur rapidly. Heart rate and respiration change. Stress mediators are released. Attention can narrow.

Perception and cognitive processing can change as the body prepares to respond.

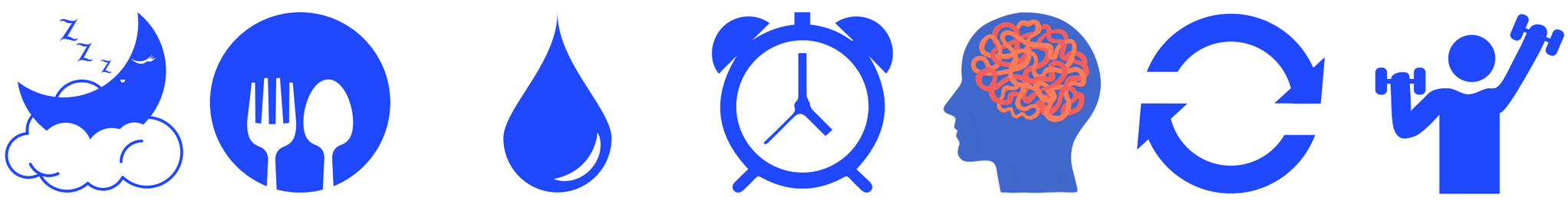
For police officers, this matters because some decisions cannot wait for ideal conditions.

The body is already responding
while the officer is still assessing what is happening.

Research using realistic police scenarios has found substantial physiological activation during critical incidents, along with changes in perception and cognition. Importantly, greater physiological stress reactivity has also been associated with poorer performance and more lethal-force errors in experimental scenarios.[1]

But the response doesn't start at zero.

Every officer enters that moment with a biological starting point shaped by the hours and days before it:



A critical incident may last seconds.

The biology responding to it has been building all day.

1. *Baldwin S, Bennell C, Blaskovits B, et al. Front Psychol. 2022;12:759132. doi:10.3389/fpsyg.2021.759132.*

GOOD HEALTH GEEK



CHEMISTRY AT WORK
REAL BIOLOGY. REAL PERFORMANCE.

The Job Doesn't Wait for Recovery

Police work can challenge the same biology it depends on.

Law enforcement requires around-the-clock readiness. Night shifts, rotating schedules, long hours and disrupted recovery can place repeated demands on the systems responsible for alertness, energy, physical response and cognitive function.

40.4%

screened positive for at least one sleep disorder

In a study of 4,957 North American police officers, most who screened positive had not previously been diagnosed. [1]

69%

of night-shift officers had poor sleep quality

Compared with 60% of afternoon-shift and 44% of day-shift officers in the BCOPS police study. [2]

26.1%

reported falling asleep while driving at least once a month

More than one in four officers in the 4,957-officer study reported this experience.[1]

This Isn't Only About Feeling Tired.

Officers screening positive for a sleep disorder were more likely to report:

23.7%
vs. 15.5%
Fatigue-related errors or safety violations [1]

17.9%
vs. 12.7%
Serious administrative errors [1]

34.1%
vs. 28.5%
Uncontrolled anger toward a suspect [1]

The call may be unpredictable.

The biological condition an officer brings isn't created in that moment.

SAFER OFFICERS
STRONGER COMMUNITIES
A HEALTHIER TOMORROW

1. Rajaratnam SMW, Barger LK, Lockley SW, et al. Sleep Disorders, Health, and Safety in Police Officers. JAMA. 2011;306(23):2567–2578. doi:10.1001/jama.2011.1851.
2. Fekedulegn D, Burchfiel CM, Charles LE, et al. Shift Work and Sleep Quality Among Urban Police Officers: The BCOPS Study. J Occup Environ Med. 2016;58(3):e66–e71. doi:10.1097/JOM.0000000000000620.

The Cost Can Accumulate

The same biology has to carry the officer home.

Police work doesn't place demands on the body only during critical incidents. Shift work, repeated stress activation, disrupted sleep and recovery can accumulate across months and years, influencing long-term physical and psychological health.

PHYSICAL HEALTH

26.7%

of officers had metabolic syndrome vs. 18.7% of the U.S. employed comparison population.[1]

PSYCHOLOGICAL HEALTH

14.2%

pooled prevalence of PTSD among police personnel across a meta-analysis of 272,463 officers in 24 countries.[2]

RECOVERY & CAREER HEALTH

-17.3 percentage points

in officers reporting excellent or very good health over approximately 12 years of follow-up.[3]

* During the same period, occupational stress and metabolic syndrome also increased significantly.



Different systems. The same biology.

PHYSICAL AND PSYCHOLOGICAL HEALTH INTERSECT.

3x

Severe PTSD symptoms were associated with approximately three times the prevalence of metabolic syndrome compared with officers reporting the fewest PTSD symptoms.[4]

Supporting officer health isn't only about responding when something goes wrong.

It is also about giving officers better ways to understand and support the biology they rely on every day.

1. Hartley TA, et al. Int J Emerg Ment Health. 2011;13(4):211–220.
2. Syed S, et al. Occup Environ Med. 2020;77(11):737–747. doi:10.1136/oemed-2020-106498.
3. Violanti JM, et al. Int Arch Occup Environ Health. 2025;98:451–465. doi:10.1007/s00420-025-02142-x.
4. Violanti JM, et al. Int J Emerg Ment Health. 2006;8(4):227–237.

A Different Approach to Officer Wellness

Support the biology behind the badge.

Officers don't need another checklist. They need practical, science-based support that fits the realities of police work - and respects their privacy. Chemistry at Work™ helps departments give officers the knowledge and tools to understand and support the biology they rely on every day.



PRACTICAL LEARNING

Short, science-based lessons on sleep, stress resilience, nutrition, hydration and more - designed for real life, not the classroom.

PERSONAL INSIGHTS

Voluntary nutritional and clinical screening provides officers with personal health and nutritional insights based on the testing option selected. Individual results remain private.

EXPERT SUPPORT

Access to registered dietitians to help officers make sense of their results and create realistic, personalized strategies.

STRONGER OUTCOMES

Healthier officers. Stronger departments. Support for the biology behind energy, focus and resilience today, and long-term health throughout their careers.

It's a Strong Investment

PEOPLE
Greater well-being
Improved resilience
Longer, healthier careers

DEPARTMENTS
Reduced risk
Stronger performance
A culture of care

COMMUNITIES
Safer communities
More engaged officers
A stronger tomorrow

When officers thrive, communities do too.

CHEMISTRY AT WORK

Chemistry at Work™ partners with employers to bring confidential testing, science-based education and registered dietitian support to the people who serve and protect.

REAL BIOLOGY. REAL PEOPLE.
A STRONGER TOMORROW.

CHEMISTRY AT WORK™

Education Makes Change



Turn biological insight into knowledge employees understand, remember and use. Our education experience brings the science to real life, connects it to the demands of the job and gives every officer practical tools to support better energy, focus, mood and recovery.



INTERACTIVE MODULES

A science-based learning experience.

Visually engaging, interactive modules bring the biology of performance to life. Employees explore key concepts, make real-world connections and build practical skills they can use on and off duty.



DISCOVERY VIDEO

A cinematic look at the biology behind performance.

Our 3-5 min educational clips connect real people and real jobs to the science of energy, focus, stress, sleep and recovery. It sets the stage for the learning experience and makes the science memorable and relevant.

EVERYTHING YOU NEED

A Complete Education Experience

Each program includes a full set of educational resources designed to make implementation easy and keep employees engaged throughout the year.

Discovery Videos
Engaging video experiences that connect the science of human biology to serious demands, challenges, and approachable solutions.

Interactive Modules
Engaging, visually rich modules that teach the biology of performance and show how everyday choices affect energy, mood, focus and recovery.

Companion Guide
A 16-page guide that reinforces the key lessons and gives employees a practical reference they can use every day.

Manager Insight Module
Helps managers understand the biological side of performance and learn practical ways to support their teams.

Monthly Boost Modules
Short, focused modules released throughout the year to keep learning active and support long-term behavior change.

Monthly Boost Articles
Easy-to-read, evidence-based articles that build core knowledge and reinforce key concepts.

Rollout Kit
A step-by-step implementation outline with sample communications, timelines and best practices to make launch simple and successful.

Workplace Materials
Posters, banners, clings and other visual tools that reinforce key concepts in the workplace and keep the conversation going.



KNOWLEDGE BUILDS AWARENESS.

Education makes change.

When officers understand the biological processes behind how they think, feel and perform, they are more likely to make informed choices.

CHEMISTRY AT WORK™| LAW ENFORCEMENT

WHAT OUR TESTS EVALUATE

Different screening approaches provide different types of findings.

PEOPLE.
SCIENCE.
STRONGER TOMORROWS.

1 FUNCTIONAL NUTRITIONAL ASSESSMENT

At-home sample collection / Metabolic biomarker testing

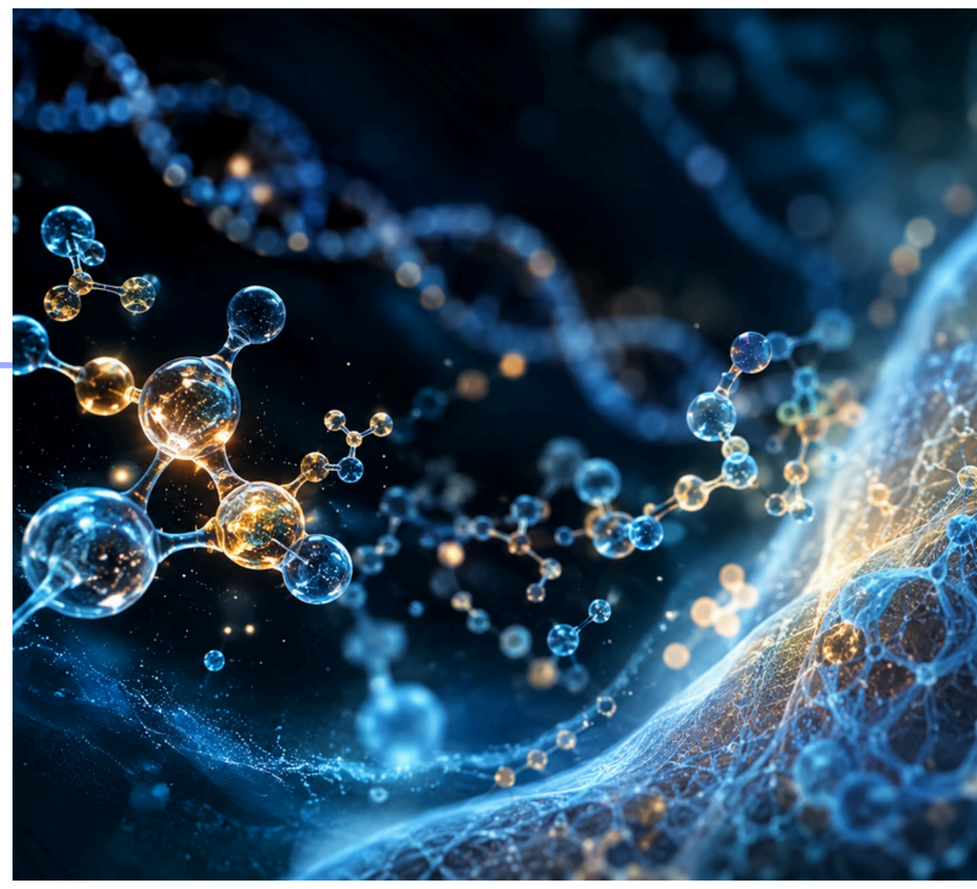
WHAT IS EVALUATED

Biochemical byproducts associated with nutrient utilization, amino-acid metabolism, energy-production pathways and related biochemical processes.

WHAT THE FINDINGS INDICATE

Metabolic patterns that may suggest areas for further nutritional evaluation.

OPTIONAL ADD-ONS AVAILABLE



2 CELLULAR FUNCTIONAL ASSESSMENT

Professional blood draw / Immune-cell response testing

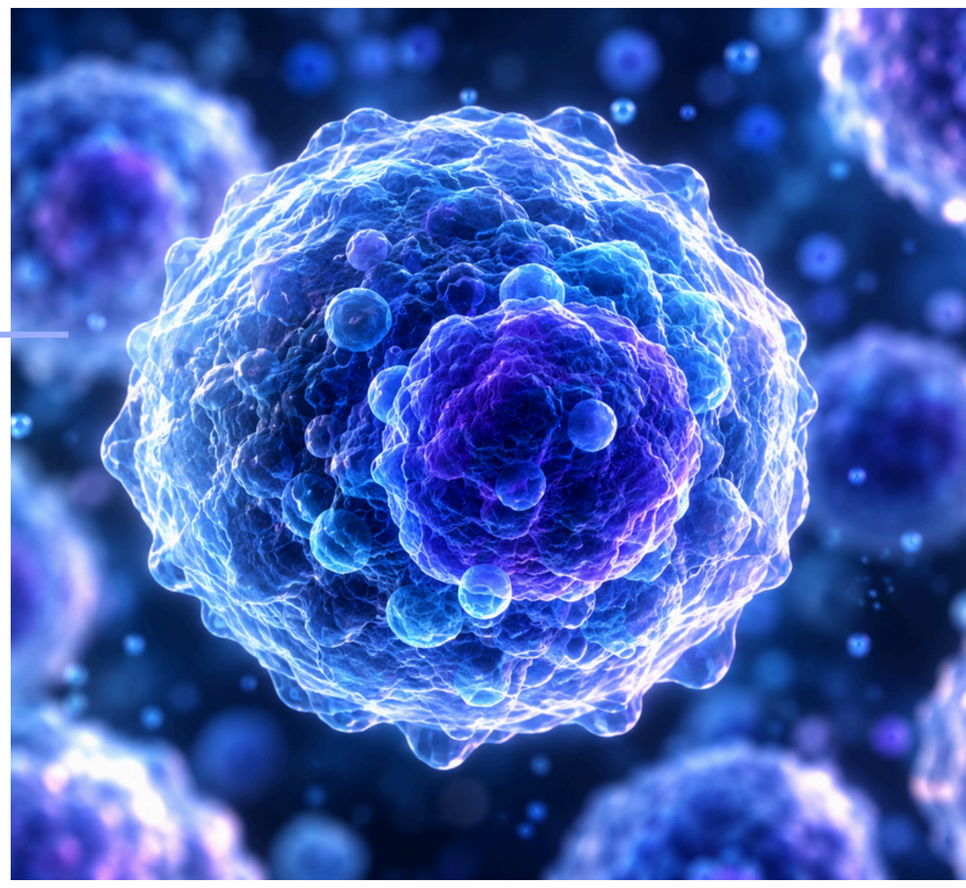
WHAT IS EVALUATED

Growth responses of immune cells to 55 individual micronutrients: vitamins, minerals, amino acids and additional nutrients.

WHAT THE FINDINGS INDICATE

Which nutrients improve cell growth in the laboratory assay.

OPTIONAL ADD-ONS AVAILABLE



ADDITIONAL SCREENING OPTIONS

BLOOD-BASED BIOMARKERS

Glucose, A1c, lipids, electrolytes, thyroid, blood-cell and kidney markers; panel dependent.

BIORESONANCE

Hair-sample energetic imbalance reports; not a validated measurement of nutrient status

REAL BIOLOGY. REAL PERFORMANCE.
Exact analytes depend on the selected panel. Screening is not a diagnosis.

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Support Beyond the Program



Professional nutritional guidance when it's needed.

Chemistry at Work™ connects personal screening and education with access to registered dietitians, offering an additional layer of individualized nutritional support.

HOW DIETITIAN SUPPORT HELPS

This optional service extends beyond interpreting screening results. Registered dietitians can assist with a broad range of health concerns and personal goals, including weight management, blood sugar regulation, cardiovascular health, digestive concerns, and nutritional strategies for demanding work schedules.

PRIVATE, INDIVIDUALIZED CARE



Consultations take place directly between the individual and the healthcare professional. Personal health information, screening results, and consultation details remain confidential and are not shared with employers through Chemistry at Work™.

SUPPORT THAT CAN CONTINUE



Registered dietitian consultations are available as an optional service, offering personalized nutritional guidance for a wide range of health needs and goals. Support can extend beyond the initial visit.

AN ADDITIONAL LAYER OF SUPPORT



Screening provides personal insight. Education builds understanding. Access to a registered dietitian offers an opportunity to translate that knowledge into practical nutritional decisions, with professional guidance tailored to individual circumstances.

Ongoing registered dietitian consultations may be covered by health insurance, depending on individual plan benefits and eligibility, allowing nutritional support to continue beyond the initial Chemistry at Work™ experience.



PERSONAL INSIGHT.
PRIVATE CARE.
CONTINUED SUPPORT.



You protect us. Let us protect you!

THE CRITICAL MOMENT BEGINS BEFORE THE CALL

Every call is answered by a human biological system shaped by sleep, nutrition, recovery, stress, physical health and the demands of the job.

That system depends on chemistry. Vitamins, minerals and other nutrients help power the processes behind energy, cognition, nervous-system function, stress response and recovery. Giving officers the opportunity to understand that biology is a different kind of investment in readiness, health and the people behind the badge.

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