



COLD CASE AMERICA™

A Research Initiative of Blue Wall Institute, L.L.C.

Enhancing Investigative Outcomes Using Inoculation and the Operational Code Information System™ and the Operational Code of Sex & Violence™ to Predict, Prevent, and Resolve Violent Crimes and Cold Cases

Dr. Olivia Johnson & Dr. Jorey Krawczyn

Executive Overview

Sexual and violent crime represents one of the most complex challenges facing investigative systems today. Traditional investigative and risk assessment models often rely heavily on historical data points such as prior arrests, demographics, or isolated behavioral indicators. While valuable, these approaches frequently fail to capture the deeper cognitive, emotional, developmental, and ideological mechanisms that drive violent behavior.

“Inoculation targets and predicts the root causes of violent behavior, reducing risk and disrupting the cycle of deviance before it has time to operationalize into violence, stalking, or sexualized behavior” (Johnson & Krawczyn, 2026).

The Operational Code Information System™ [OC-IS] is a standardized analytical platform that systematically organizes, evaluates, and interprets multi-source case data. Through structured inputs and defined analytical processes, the OC-IS™ reduces subjectivity, strengthens analytical consistency, and improves the reliability of findings in complex case reviews, including but not limited to cold case homicides and unidentified human remains.

Embedded within this system is the Operational Code of Sex & Violence™ [OC-SV], developed by Dr. Olivia Johnson and Dr. Jorey Krawczyn. The OC-SV™ represents more than a behavioral model; it defines an operational ideology, or belief system, that governs how offenders perceive, justify, and escalate behavior. It explains how cognition, emotional drivers, and learned narratives merge into a structured internal “code” that shapes decision-making and behavioral progression.

Within this framework, sexual and violent behaviors are not viewed as isolated acts, but as expressions of an underlying ideological system. The OC-SV™ therefore provides a structured lens for identifying how belief systems form, how they normalize deviance, and how they operationalize into patterns of violence and sexual offending.

Foundations of Sexual and Violent Behavior

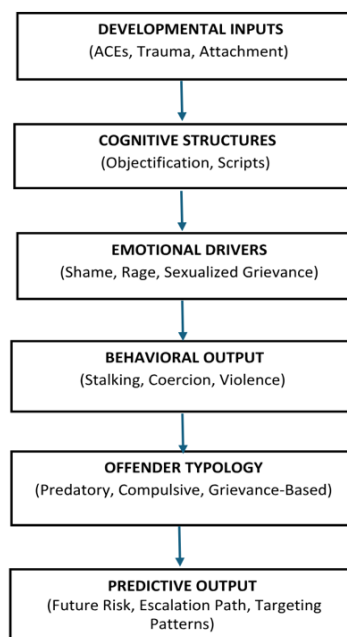
Sexual violence is rarely spontaneous or isolated. Rather, it emerges from a convergence of developmental, cognitive, and emotional factors that underlie deviant behavior.

Adverse Childhood Experiences (ACEs), including abuse, neglect, and household dysfunction, significantly disrupt emotional regulation, attachment formation, and cognitive development. These disruptions increase vulnerability to both victimization and perpetration across the lifespan (Felitti et al., 1998; Widom et al., 2008). Over time, these early experiences shape maladaptive coping mechanisms and distorted relational patterns.

Objectification further contributes to this trajectory by reducing individuals to instruments of control or use, eroding empathy and facilitating exploitative or violent behavior (Nussbaum, 1995; Bartky, 1990). This cognitive shift allows offenders to detach from others' humanity, thereby reinforcing harmful actions without internal conflict.

Cognitive scripts develop alongside these influences, forming rigid mental frameworks that justify dominance, normalize coercion, and rationalize aggression. These scripts often blur the boundaries between fantasy and reality, particularly in the context of perceived rejection, humiliation, or power imbalance (Abel et al., 1984; Ward & Beech, 2006). Together, these elements create the cognitive and emotional architecture underlying sexually violent behavior. These components form the cognitive and emotional backbone of sexually violent behavior (see Diagram 1).

Diagram 1: Operational Code of Sex & Violence™ Core Model (Predictive Model)



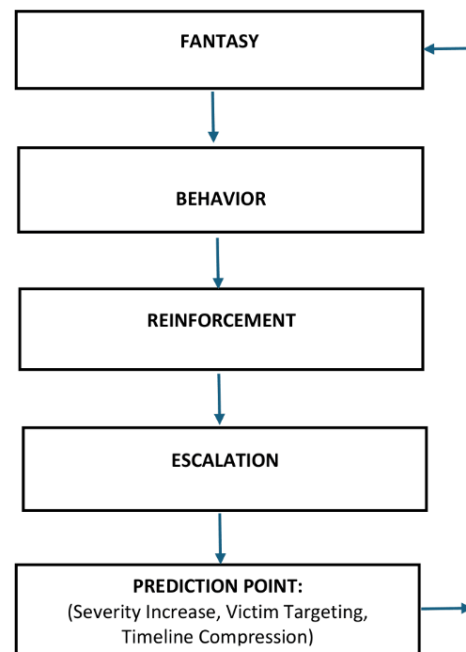
Emotional Pathways and Escalation Dynamics

Emotional processes play a critical role in amplifying and sustaining violent behavior. Emotions such as shame, rage, sexualized grievance, and compulsive arousal form self-reinforcing cycles that intensify over time (Gilligan, 1997; Tangney et al., 2007). These cycles typically begin with fantasy (see Diagram 2), which serves as a mechanism for cognitive

rehearsal. Through repeated mental simulation, individuals reinforce both emotional arousal and behavioral intent (Shaver & Mikulincer, 2010). As behaviors are enacted, they further validate the underlying cognitive distortions and emotional dysregulation, creating a feedback loop that accelerates escalation.

Over time, this progression frequently evolves from boundary violations and coercion to stalking behaviors, and ultimately to predatory sexual violence (Melow, 1998). Recognizing these patterns is essential for investigators and practitioners, as it enables the identification and forecasting of escalation trajectories, facilitates risk anticipation, supports early intervention efforts, and aids in establishing connections across cases consistent with offender profiles.

Diagram 2: Escalation Cycle (Predictive Loop)



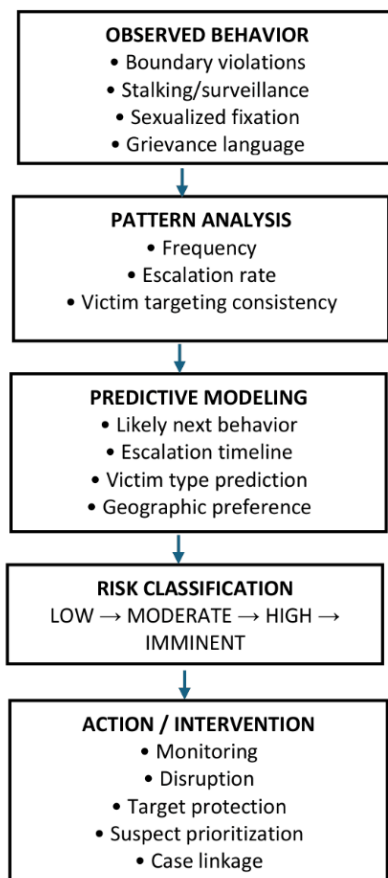
Behavioral Expression and Predictive Indicators

Behavior represents the point at which cognition and emotion converge into observable action. Within the OC-SV™ framework, behavioral outputs serve as measurable indicators of underlying psychological processes (see Diagram 3).

Patterns such as repeated relational boundary violations, persistent fixation on potential victims, grievance-driven aggression, and escalating sexual coercion provide critical signals of elevated risk. These behaviors are not isolated incidents but components of a broader operational pattern that reflects the offender's internal framework.

By systematically capturing and analyzing these behaviors through the OC-IS™, agencies can identify individuals at heightened risk, implement targeted interventions, and uncover consistencies across unresolved cases. This structured approach transforms behavioral observations into actionable intelligence.

Diagram 3: Behavior → Pattern → Prediction → Action Model (CORE ENGINE)



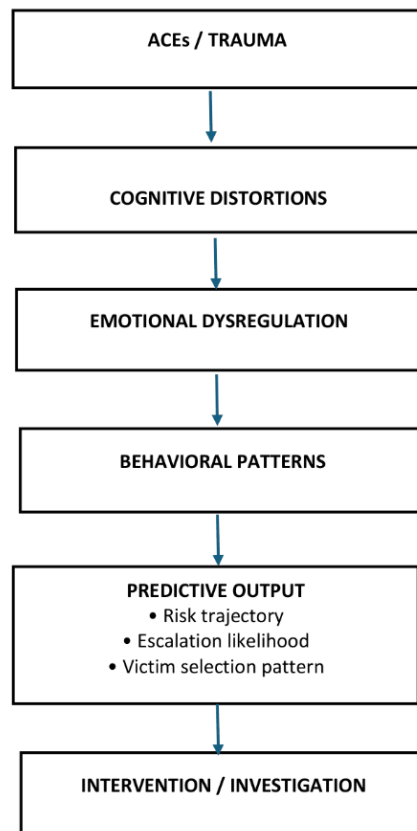
The Fatal 10™ Framework

The Fatal 10™ framework, developed by Dr. Olivia Johson, integrates developmental inputs, cognitive distortions, emotional dysregulation, behavioral manifestations, and offender typologies into a unified predictive model. This framework enables practitioners to move

beyond descriptive analysis toward proactive risk prediction, identification, and mitigation (see Diagram 4).

Early intervention strategies informed by this model—including cognitive restructuring, emotional regulation training, and situational risk management—can disrupt escalation pathways and reduce the likelihood of future offenses (Andrews & Bonta, 2010; Seto, 2019; Ward & Maruna, 2007). In investigative contexts, the framework also provides a structured basis for generating leads and identifying connections in cold cases.

Diagram 4: Fatal 10™ Integrated Predictive Pipeline



Offender Typologies and Risk Differentiation

A critical component of the OC-SV™ framework is its classification of offender typologies (see Diagram 5). These typologies reflect distinct motivational drivers, behavioral patterns, and escalation pathways, allowing for more precise risk assessment and intervention.

These include, but are not limited to:

- Grievance-driven offenders
- Predatory sexual-violent offenders
- Compulsive sexual-violent offenders
- Domestic power-control offenders
- Opportunistic offenders
- Revenge-sex offenders
- Paraphilic aggressors

Each typology provides critical insights into offender behavior, informing investigative strategies, strengthening preventive measures, and refining predictive methodologies.

Diagram 5: Typology → Prediction Matrix

TYPLOGY	PREDICTION
Compulsive	Repeat behavior, ritual escalation
Opportunistic	Situational reoffending
Grievance	Targeted violence, fixation
Predatory	Planned, high-control offenses

System Impact and Investigative Advancement

The integration of the Operational Code Information System (OC-IS™) and the Operational Code of Sex & Violence™ (OC-SV™) represents a decisive advancement in investigative science. The OC-IS™ serves as the structured database infrastructure—capturing, organizing, and standardizing multi-source data—while the OC-SV™ serves as the applied analytical protocol, decoding offender behavior through a defined operational code. Together, they transform raw information into a dynamic, intelligence-driven system.

This combined model moves investigations beyond static case review and into structured behavioral analysis. By systematically organizing data through the OC-IS™ and interpreting it through the OC-SV™ protocol, investigators can identify hidden patterns, detect escalation pathways, and generate precise, actionable insights that are often missed in traditional approaches.

In cold case investigations, this framework creates a force multiplier. Evidence is not simply revisited—it is reprocessed through a structured analytical lens that reveals previously undetected behavioral consistencies, linkage patterns, and offender signatures. This

approach strengthens investigative direction, supports case linkage, and enhances the ability to move cases toward resolution when aligned with law enforcement strategy and prosecutorial standards.

The impact extends well beyond case resolution. This framework establishes a foundation for earlier risk detection, more strategic resource allocation, improved pre-employment screening, and informed postvention efforts. By identifying behavioral indicators and underlying drivers before they fully manifest, systems can intervene earlier, disrupt escalation trajectories, and transition from reactive responses to predictive, intelligence-led prevention.

Why This Matters

Sexual and violent crime is not random; it is patterned, codified, and repeatable. When those patterns are not identified and operationalized into actionable intelligence, the consequences extend far beyond a single incident.

Unresolved cases do not remain static; they represent active, ongoing risk. Offenders who are not identified are not neutralized; they continue to operate within their behavioral code, often escalating, refining, and repeating their actions across time, geography, and victim profiles. Every missed pattern is a missed opportunity to intervene, and every unresolved case increases the probability of future harm.

Simultaneously, thousands of cases nationwide remain dormant—not due to a lack of evidence, but due to limitations in time, personnel, and analytical capacity. These cases are not unsolvable; they are under-processed. Critical data exists but remains fragmented, unstructured, and unanalyzed through a cohesive behavioral lens. Without a system capable of decoding operational patterns at scale, these cases are effectively buried within the noise of competing priorities, leaving victims without resolution and offenders without accountability.

The integration of predictive frameworks grounded in operational code changes this equation entirely. By structuring data through the OC-IS™ and interpreting it through the OC-SV™ protocol, behavior is no longer viewed as isolated incidents but as part of a continuous, decodable system. Developmental inputs, cognitive scripts, emotional drivers, and behavioral outputs become traceable components of an offender's operational pattern—one that can be identified earlier, tracked across incidents, and disrupted before escalation.

This approach does more than enhance investigations; it introduces a forward-operating system capable of identifying risk before it fully manifests. It enables earlier detection of behavioral trajectories, more precise allocation of investigative resources, and the ability to generate leads across cases that would otherwise remain disconnected. Most importantly, it

shifts the system from retrospective analysis to predictive intervention, reducing the number of unresolved cases, increasing offender accountability, and actively preventing future victimization. In this model, the objective is no longer to catch up to violence after it occurs, but to decode it early enough to disrupt it entirely.

Moving Forward

The Operational Code of Sex & Violence™ (OC-SV) is more than a behavioral framework—it is an ideology-driven operational belief system that examines how individuals cognitively organize, justify, normalize, and ultimately operationalize sex- and violence-based behaviors. Unlike traditional investigative models that focus primarily on completed criminal acts, the OC-SV framework explores the underlying psychological coding, environmental conditioning, fantasy development, grievance formation, behavioral rehearsal, and decision-making processes that precede action.

The OC-SV addresses critical gaps in investigative procedures, forensic science, behavioral analysis, and emerging technological threats by advancing prevention and prediction strategies beyond conventional reactive approaches. Rather than examining violence solely as an isolated event, OC-SV conceptualizes harmful behavior as the product of an evolving operational belief system influenced by cognition, ideology, trauma, opportunity, reinforcement, deviance escalation, and environmental exposure. This framework recognizes that many offenders develop internal “codes” that shape how they rationalize exploitation, aggression, domination, coercion, sexual deviance, or homicidal behavior long before overt criminal acts occur.

Grounded in interdisciplinary research spanning behavioral threat assessment, forensic psychology, criminology, neuroscience, victimology, and investigative science, OC-SV provides law enforcement professionals, behavioral analysts, forensic psychologists, intelligence personnel, and other stakeholders with structured methodologies to identify vulnerability indicators, assess risk trajectories, interpret behavioral leakage, and recognize pre-operational warning signs before behaviors escalate into violence or victimization (Meloy & Hoffmann, 2014; Seto, 2019). The framework moves beyond static profiling by emphasizing dynamic behavioral progression, cognitive rehearsal patterns, environmental reinforcement, and operational adaptation.

At its core, the OC-SV framework examines how individuals construct internal narratives that permit or justify harmful conduct. These narratives may emerge gradually through fantasy reinforcement, unresolved grievance, compulsive sexualization, predatory entitlement, desensitization to suffering, identity instability, trauma exposure, ideological extremism, or chronic power-and-control dynamics. Over time, these cognitive structures may become

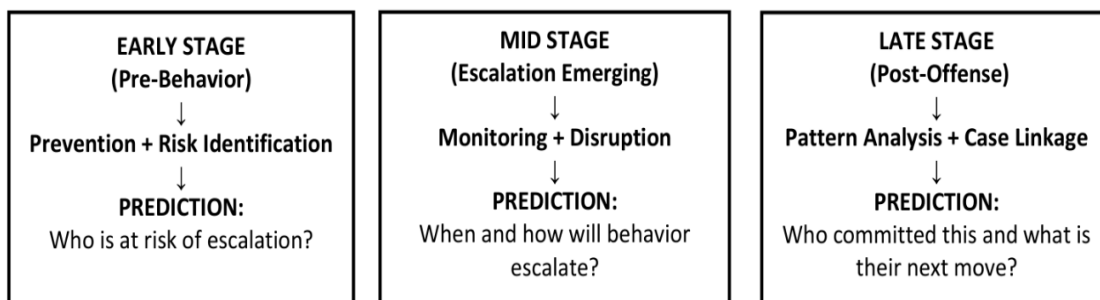
operationalized through planning behaviors, rehearsal activities, target selection, online engagement, symbolic communication, or risk-taking escalation.

The OC-SV model is designed not only for post-event analysis, but also for proactive intervention and prevention. By integrating behavioral indicators, forensic evidence patterns, psychosocial stressors, digital behaviors, victimology, and situational variables, the framework assists professionals in identifying individuals who may be progressing along pathways toward sexual violence, interpersonal violence, exploitation, serial offending, targeted aggression, or homicidal ideation. The framework also supports multidisciplinary collaboration between investigators, clinicians, educators, threat assessment teams, correctional personnel, and community stakeholders.

The Operational Code of Sex & Violence™ recognizes that operational belief systems are not always static. They can evolve, intensify, fragment, or destabilize over time depending on stressors, environmental conditions, reinforcement mechanisms, and intervention opportunities. As such, OC-SV emphasizes continuous assessment rather than singular-event evaluation. This adaptive approach allows investigators and practitioners to better understand behavioral escalation, offender evolution, recidivism potential, and opportunities for disruption before catastrophic outcomes occur.

In an era marked by rapid technological advancement, online radicalization, synthetic identities, digital exploitation, and increasingly complex offender typologies, traditional investigative models often struggle to keep pace with evolving behavioral threats. The Operational Code of Sex & Violence™ provides a modernized framework capable of integrating behavioral intelligence, forensic analysis, digital behavioral indicators, and predictive assessment strategies into a unified operational model focused on early recognition, targeted intervention, public safety, and violence prevention.

Diagram 6: Inoculation → Prediction → Resolution Model



Conclusion

While true inoculation is not always possible, particularly in cases involving individuals who have already operationalized sexual or violent offending, the Operational Code frameworks remain highly effective in post-offense, threat assessment, and cold case environments by identifying recurring behavioral patterns, cognitive pathways, operational belief systems, and offender decision-making structures that evolve. Rather than viewing violence and sexual offending as isolated criminal acts, OC-IS™ and OC-SV™ recognize these behaviors as part of an operational continuum shaped by ideology, grievance, reinforcement, fantasy development, environmental conditioning, opportunity, and behavioral adaptation.

At the core of this paradigm shift is the recognition that the operational code itself functions as an ideology-driven belief system. The Operational Code of Sex & Violence™ (OC-SV™) is not merely a behavioral classification model; it is a framework for understanding how individuals internally construct, normalize, justify, and operationalize harmful behaviors through evolving systems of belief, cognition, identity, and behavioral reinforcement. This ideological component fundamentally changes the investigative lens, from examining only what offenders did to understanding how offenders cognitively organize and rationalize why they do it. In this model, violence and sexual offending are understood not simply as acts, but as manifestations of operational belief systems that evolve, adapt, and reinforce behavior over time.

This need is underscored by a persistent systemic reality: an estimated 40% of cold cases remain unsolved, leaving countless victims and families without resolution while, in some instances, allowing offenders to continue offending undetected and without accountability. This gap is not solely the result of investigative backlog or evidentiary limitations; it reflects broader structural deficiencies in how behavioral data, victimology, forensic indicators, offender cognition, and operational patterning are traditionally organized, interpreted, and operationalized within investigative systems.

The integration of Operational Code-Investigative Science™ (OC-IS™) and The Operational Code of Sex & Violence™ (OC-SV™) represents a significant evolution in investigative methodology. By transforming fragmented and static case information into structured, behaviorally grounded analytical systems, these frameworks provide investigators, behavioral analysts, forensic professionals, and multidisciplinary teams with repeatable methodologies capable of identifying hidden behavioral consistencies, operational signatures, escalation trajectories, ideological reinforcement patterns, and linkage indicators that often remain obscured within conventional investigative review processes.

Importantly, these frameworks extend beyond retrospective case analysis. OC-SV™ introduces a proactive model for recognizing pre-operational warning signs, behavioral leakage, cognitive rehearsal patterns, fantasy reinforcement, grievance development, and evolving risk trajectories before harmful behaviors fully operationalize or escalate into

catastrophic outcomes. This evolution moves investigative practice away from a predominantly reactive model and toward a predictive, prevention-oriented operational strategy rooted in behavioral science, forensic intelligence, and threat assessment principles.

Within cold case and post-offense contexts, OC-IS™ supports the systematic re-examination of evidence through structured behavioral analysis, including proprietary Cold Case America™ analytical protocols and investigative coding frameworks. This process is designed to identify missed linkages, clarify offender behavioral signatures, reconstruct operational decision pathways, and restore investigative momentum in cases that have historically stalled or fragmented over time. When aligned with prosecutorial standards and evidentiary integrity, these methodologies strengthen pathways toward legally defensible accountability and case resolution.

Ultimately, the Operational Code frameworks do not represent incremental adjustments to existing investigative practice; they constitute a structural evolution in how behavioral threat assessment, forensic science, investigative intelligence, and operational analysis are conceptualized and integrated. The central paradigm shift lies in recognizing that operational codes themselves function as ideology-based systems of belief that drive perception, justification, behavioral escalation, and offender action. Through comprehension of the operational code, it becomes possible to advance beyond superficial criminal analysis and achieve a more nuanced understanding of behavioral development, offender adaptation, and the dynamics underlying the implementation of violence.

By bridging behavioral science, pattern recognition, victimology, forensic review, ideology analysis, and operational investigation into a unified system, OC-IS™ and OC-SV™ establish a scalable framework designed to improve resolution rates, enhance prevention efforts, strengthen investigative precision, and reduce the likelihood of continued harm. In doing so, these frameworks shift the field away from fragmented, event-driven investigative models and toward an integrated operational continuum where recognition, prediction, prevention, intervention, and resolution function cohesively within a unified behavioral intelligence system.

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Author Biographies

Dr. Olivia Johnson

Dr. Olivia Johnson is a suicidology researcher, United States Air Force veteran, and former law enforcement officer whose work bridges investigative practice, behavioral science, and organizational systems analysis. For nearly two decades, she has led national efforts in first responder wellness, suicide prevention, and occupational risk mitigation, training thousands of military, law enforcement, and frontline professionals.

She is a certified Law Enforcement Psychological Autopsy Investigator and a nationally certified Medicolegal Death Investigator. Her applied research has focused on identifying systemic gaps in early risk detection, investigative coordination, and post-incident analysis—particularly within law enforcement suicide, violent death, and high-risk occupational populations.

Dr. Johnson is the Founder of Cold Case America™, a research initiative of Blue Wall Institute, L.L.C., dedicated to advancing structured investigative review, behavioral reconstruction, and multidisciplinary cold case analysis. This initiative integrates case-based research, victimology frameworks, and operational coding systems to improve clarity in complex and historically unresolved investigations, including cold case homicides and unidentified human remains.

Her research includes the development of a national dataset on law enforcement suicide, analyzing approximately 3,500 cases using more than 200 variables and psychological autopsy methodology to identify behavioral and environmental risk patterns. This work informed the development of the FATAL 10™ framework, a structured model for identifying converging risk contributors in occupational and behavioral fatalities.

Together with Dr. Jorey Krawczyn, she created the Operational Code of Sex & Violence™ paradigm, which analyzes how offenders' ideologies and beliefs shape their behavior from thought to action. This framework focuses on the internal "code" guiding decision-making, especially how belief systems influence patterns of sexual and violent conduct. It also aims to predict behavioral trends and assist in solving cold cases and reviewing old investigative files using structured ideological analysis.

Dr. Johnson holds a Doctorate in Management and Organizational Leadership, a master's degree in criminology and criminal justice, and a Bachelor's in Workforce Education and Development. Her work continues to focus on advancing investigative rigor, improving case

resolution frameworks, and integrating behavioral science into cold case analysis and operational decision-making.

Dr. Jorey Krawczyn

Dr. Jorey L. Krawczyn has an extensive career extending over 55 years in law enforcement, forensic psychology, and teaching. His law enforcement experience ranges from undercover narcotics investigations to the administrative duties of Chief of Police (Retired). He was in private practice for twelve years with psychiatrist A. Mohmed, MD, where he authored over 400 court-ordered comprehensive forensic evaluations.

Dr. Krawczyn served three years as a Senior Police Psychologist for the US Department of Justice: International Criminal Investigative Training Assistance Program (ICITAP) assigned to Kyrgyzstan, Kosovo, and Tanzania. He served an additional three years as the Academic Director for the US Department of State's International Law Enforcement Academy and two years with the Bureau of International Narcotics and Law Enforcement Affairs as a Psychological Advisor to foreign judges, prosecutors, and senior law enforcement officials on matters of Transnational Organized Criminals and Radicalized Violent Extremists.

Dr. Krawczyn was contracted as a Subject Matter Expert, Instructional Designer, and lecturer for the Naval Chaplaincy 27th Professional Development and Training Course (PDTC) "The Role of Chaplaincy in the Aftermath of Targeted Violence. He also functioned as an advisor to four Commanders, five Admirals, and three Vice-Admirals on effective resolutions and behavioral insights regarding Chaplain's confidentiality and the mass shootings at the DC Naval Yard and Chattanooga Recruitment Center.

Dr. Krawczyn is a faculty member in the Department of Criminal Justice Graduate Studies at Saint Leo University, where he teaches Forensic Interviews, Methodologies of Violence, and Quantitative Research Methods. He also Chairs Dissertation Committees and doctoral research. He has been a psychological consultant and contributor to Nancy Grace's Crime-Line broadcasts, having appeared on over 65 episodes. Dr. Krawczyn provides analytical research and analysis to the Blue Wall Institute's National Law Enforcement Suicide Mortality Database and has developed the research-based alteration in treatment practice from the Disease Model (Pathogenic) to the Health Model (Salutogenic) to the Suicide Inoculation Protocols.

He has testified as an Expert Witness in twenty-two State and Federal Court cases on police behaviors, police testing methodologies, and violent offenders. He holds a Bachelor's in Criminal Justice Administration, a Master's in Human Development, a second Master's in Instructional Design, and a Doctorate in Counseling Psychology. Dr. Krawczyn also maintains his Florida State Law Enforcement Officer and Police Instructor certifications.

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