



**BODY-WORN  
CAMERA**  
POLICY AND IMPLEMENTATION PROGRAM

# The Impact of BWCs in Correctional Facilities

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August 22, 2023

This material was supported by Grant No. 2019-BC-BX-K001 awarded by the Bureau of Justice Assistance (BJA). BJA is a component of the U.S. Department of Justice Office of Justice Programs. Points of view or opinions contained herein do not necessarily represent the official position or policies of the U.S. Department of Justice.

# Webinar Logistics

- Webinar is recorded
- Questions
- Webinar evaluation
- Resources



# Welcome and Opening Remarks

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Dr. Mike White, BWC TTA Co-Director, Arizona State University



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# Impact of BWCs in a Correctional Setting

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Results from CNA's Evaluation in Loudoun County, VA

Dr. Brittany C. Cunningham

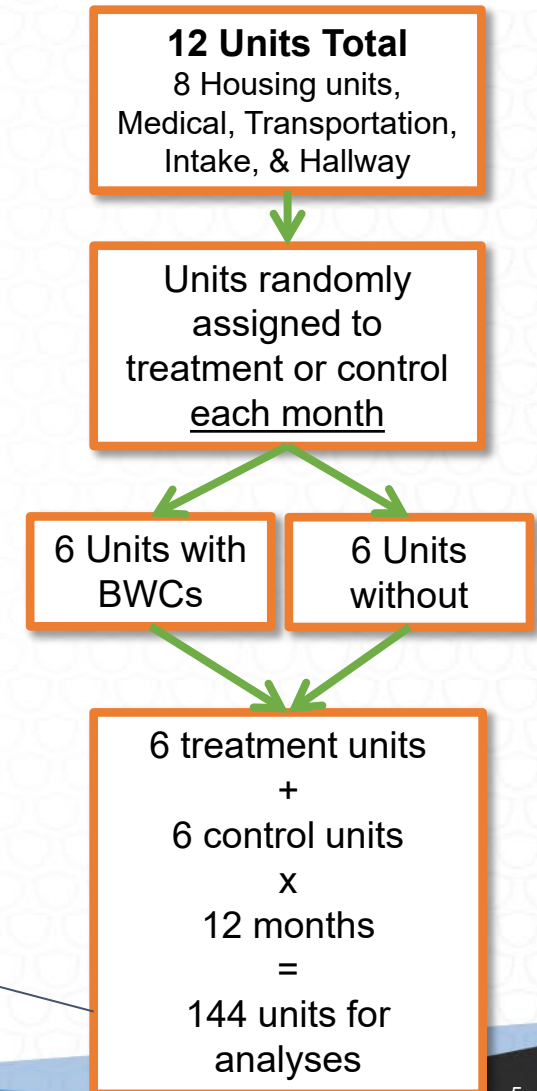
Dr. Bryce E. Peterson



# Study Overview

- Prior BWC research in police settings
  - Reduced complaints, mixed results on uses of force
- Current study: Loudoun County Adult Detention Center
  - NIJ award (2018-75-CX-0019)
  - 12-month RCT
- Evaluation component
  1. Surveys of deputy perceptions
  2. Impact analyses of RTRs and injuries
  3. RTR investigations: BWCs vs. stationary cameras
  4. Cost-effectiveness analysis

**Error rate by shift = 4.2%**



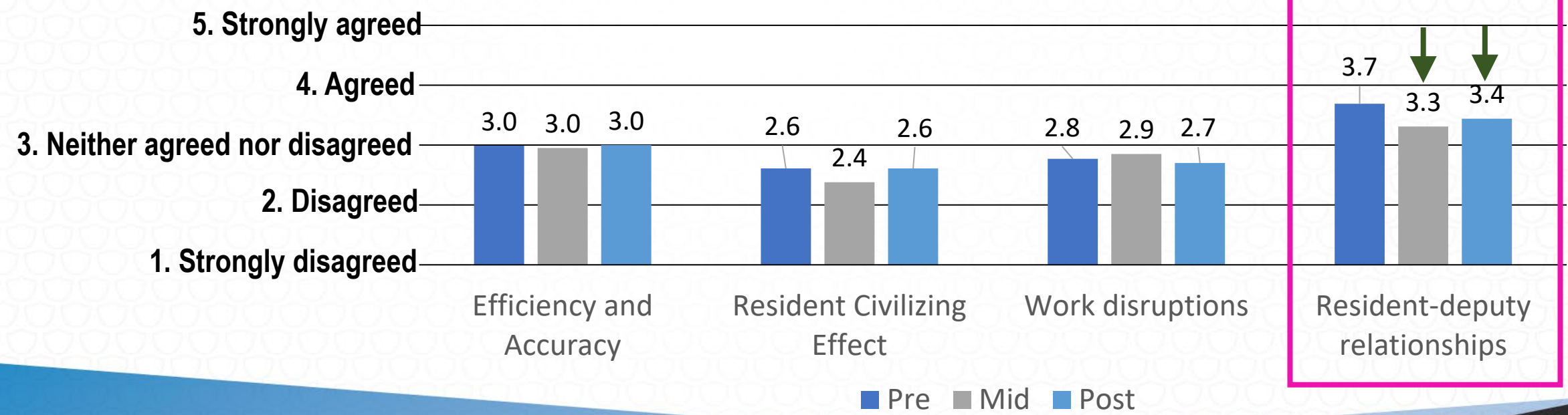
# Deputy Perspectives

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- Three deputy survey waves (124 eligible):
  - Pre-implementation (Sep 2020): 117 respondents
  - Mid-implementation (Jun 2021): 84 respondents
  - Post-implementation (Nov 2021): 87 respondents

**Findings:**

- Neutral or slightly negative perceptions
- Perceptions of relationships declined



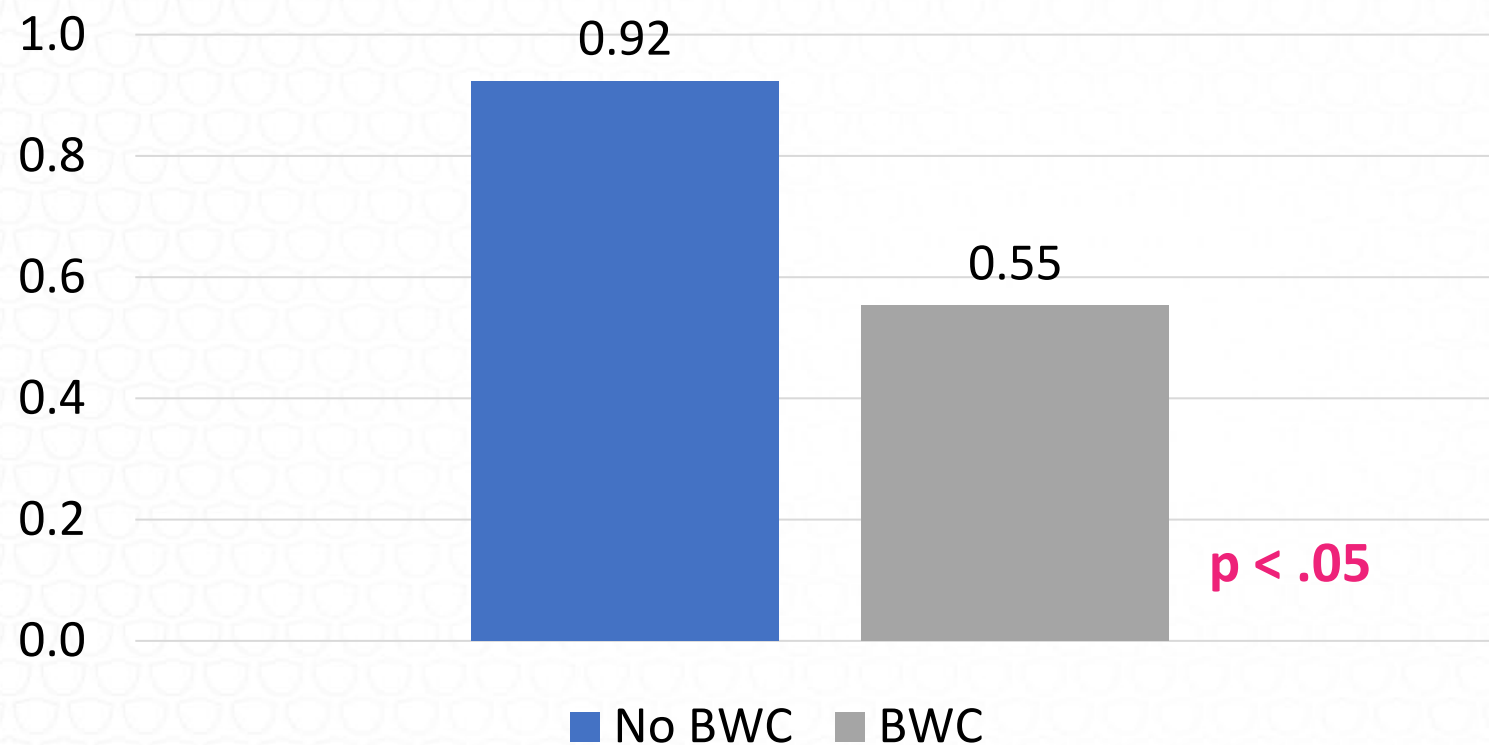
# Impact Analyses



# Impact Analyses

- Administrative data: November 2020 to October 2021
- Outcomes
  - # monthly RTRs
  - # monthly resident injuries
- Analytic approach
  - Negative binomial regression
    - **Interpretation:** monthly count of outcome per unit, on average
- Unit-level controls
  - Max security, resident sex

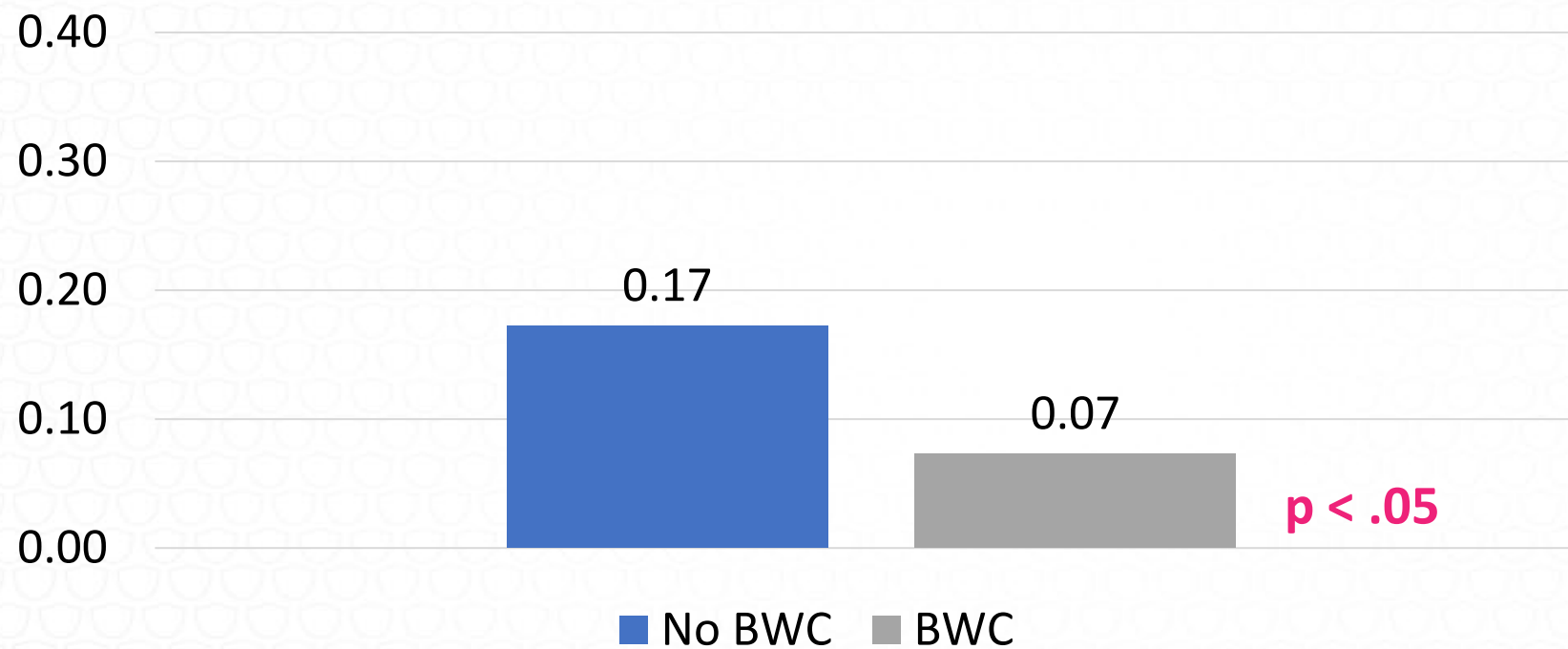
# Monthly RTRs, Per Unit



## Finding:

- BWCs reduced RTRs

# Monthly Resident Injuries, Per Unit



## Finding:

- BWCs reduced injuries

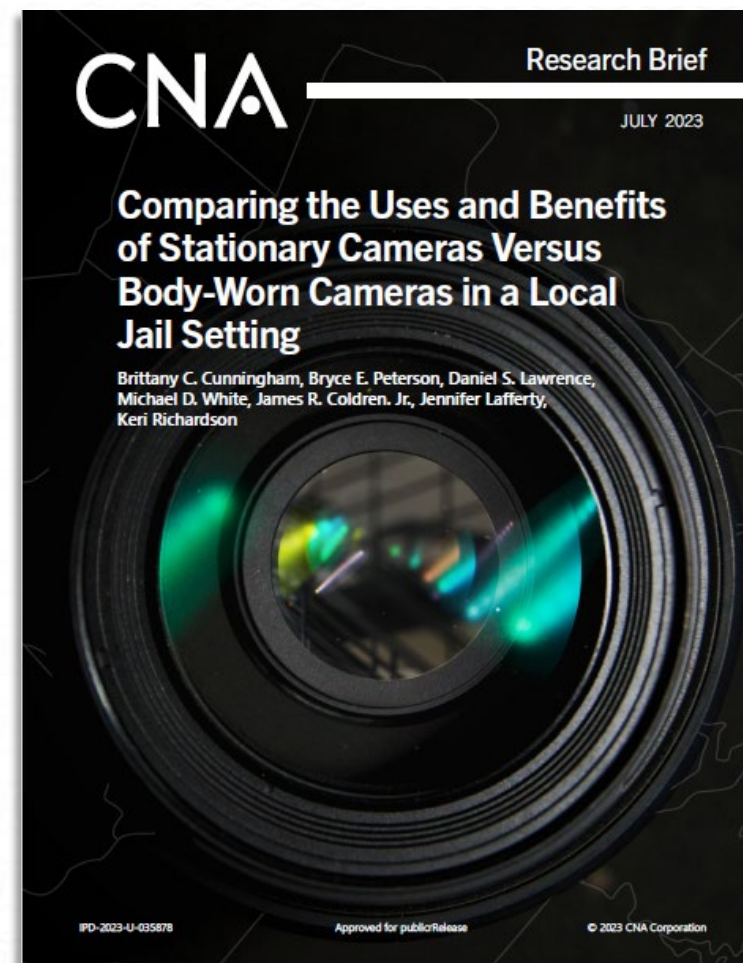
# RTR Investigations

Review of BWC and CCTV camera footage



# RTR Investigation Footage Review

- Random selection of 13 RTR events
- Review of all BWC and CCTV footage of incident
  - Footage from 46 BWCs, 48 CCTV cameras
- Compared video quality, position and viewshed, audio, and investigative time/costs across the camera types.

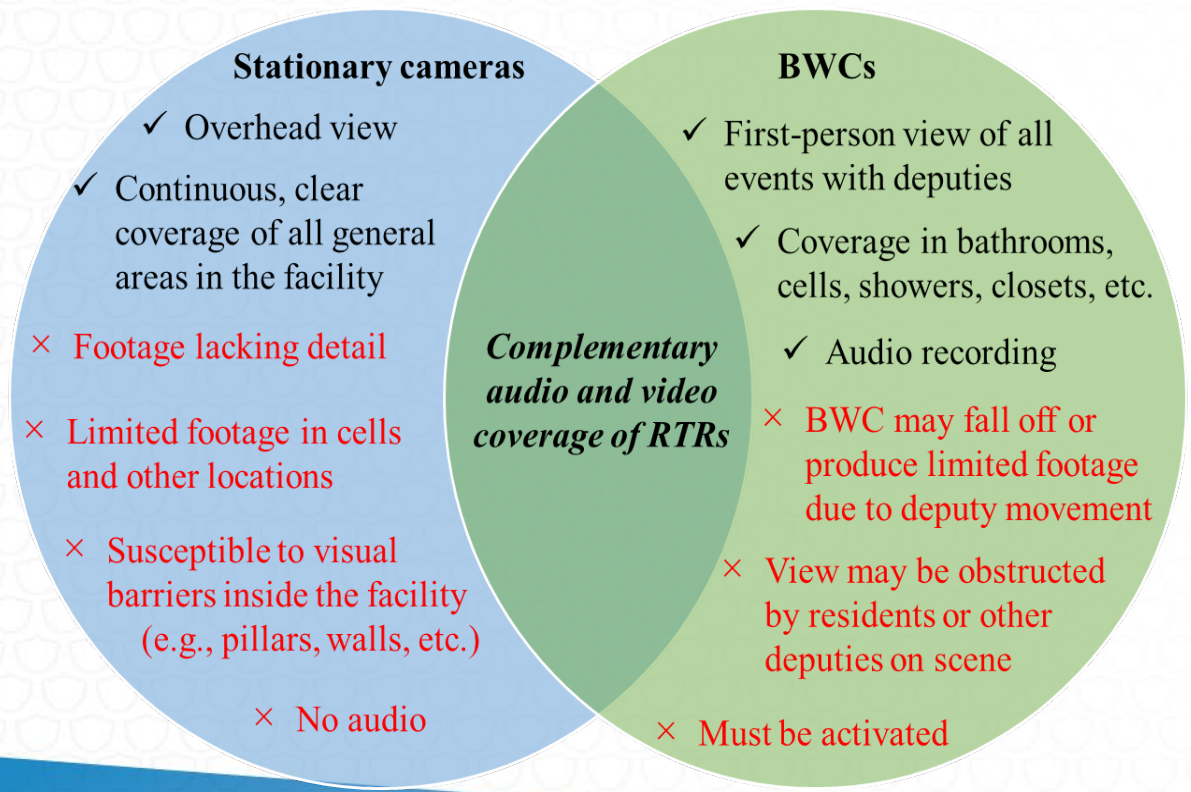




# Footage Review Findings

## Finding:

- BWCs and CCTV cameras complement one another



# Cost Effectiveness

# Cost Effectiveness

$$\text{Cost – effectiveness ratio} = \frac{\text{Cost of LCADC's BWC program}}{\text{Unit change in outcome}}$$

BWC Program Costs		Outcomes	
Equipment and startup	\$106,155		
Training	\$17,148	<i>RTRs</i>	<i>Injuries</i>
Personnel RTR Investigations	\$35,343	<i>Prevented</i>	<i>Prevented</i>
<b>Total</b>	<b>\$158,647</b>	<b>27</b>	<b>8</b>

- Findings:**
- \$5,875.80 → one prevented RTR
  - \$19,830.82 → one prevented injury

# Summary



# Summary

- Promises
  - Reduce RTRs and injuries
  - Augment the use of CCTV cameras
- Challenges
  - Deputy perspectives
  - Staff-resident relationships
- Limitations
  - Single agency
  - Small study
  - Jail vs. prison





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# Perspectives from the Field

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**Captain David Wozniak**, Loudoun County Adult Detention Center

**Major Jody Hatfield**, Sandusky County

**Mr. Ben Collins**, Washington, DC Department of Corrections

**Sheriff Paul Laney**, National Sheriff's Association

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# THANKS!



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Dr. Bryce E. Peterson: [peterσονb@cna.org](mailto:peterσονb@cna.org)

# Panel Discussion

- **Dr. Michael D. White, BWC TTA Co-Director, Arizona State University**
- **Robert C. Looney, Senior Management Analyst, San Antonio, TX Police Department**
- **Lt. Theodore Stroope, Des Moines, IA Police Department**
- **Kyle Carkhuff, Systems Administrator, Houston, TX Police Department**

# Audience Q and A

## Resources:

BWC Toolkit - <https://bja.ojp.gov/program/bwc>

BWC TTA website - <https://www.bwctta.com/>