



RS 7. C. 4/4/2023 Presentation

STATISTICAL TRANSPARENCY OF POLICING (STOP) PROGRAM

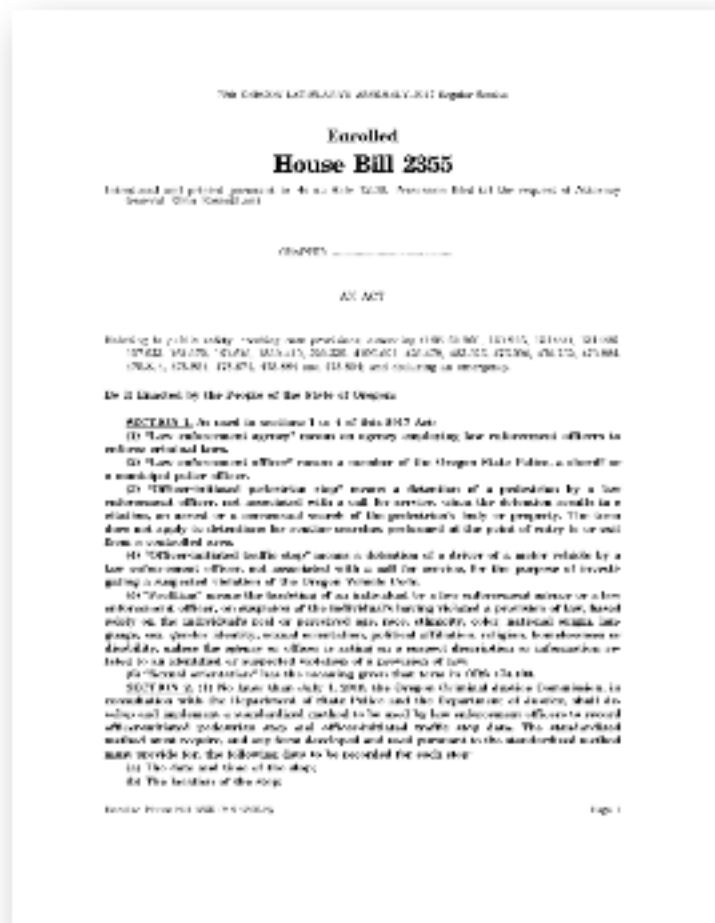
REVIEW OF RESULTS FOR CITY OF MILWAUKIE



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BACKGROUND

THE STOP PROGRAM



HB 2355 (2017) requires law enforcement to report on all traffic and pedestrian stops.

STOP Data Elements

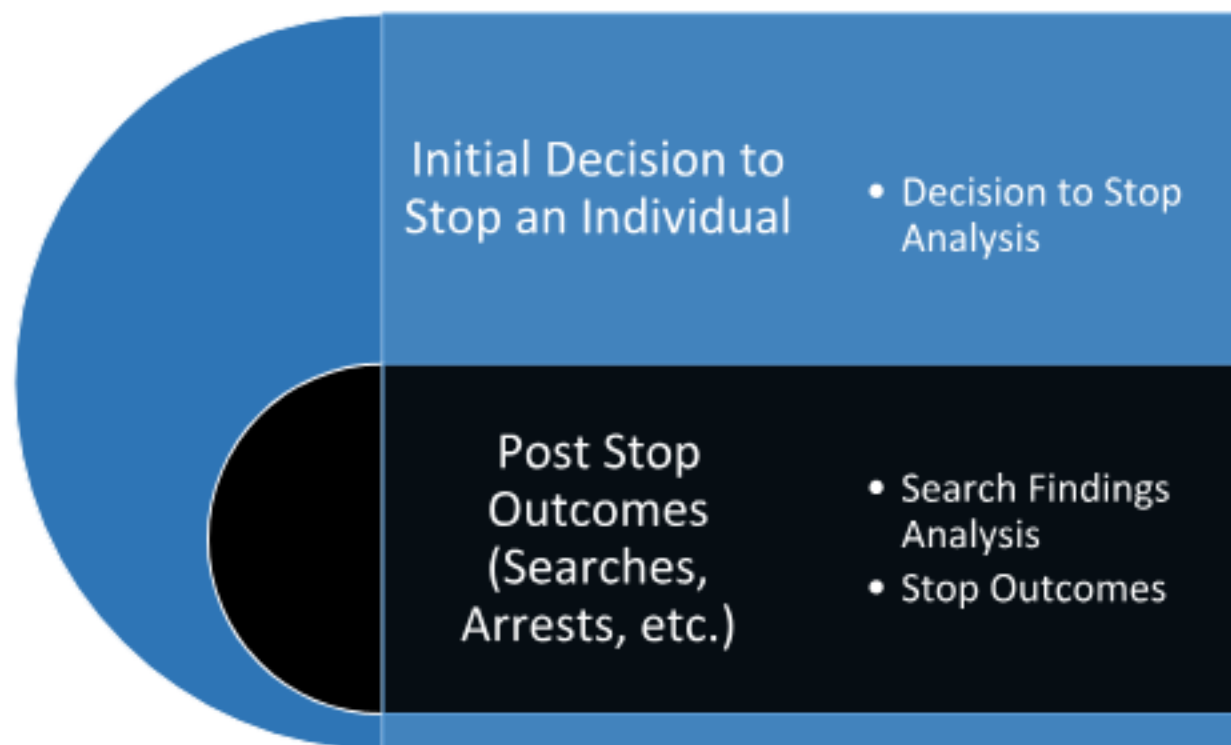
- Law Enforcement Agency Name
- Stop Date
- Stop Time
- County of Stop
- Specific Location of Stop
- Type of Stop (Traffic/Pedestrian)
- Home Zip Code of Stopped Individual
- Perceived Race/Ethnicity
- Perceived Age
- Perceived Gender
- Statutory Reason for Stop
- Stop Disposition
- Was a Search Conducted?
- Search Type
- Search Findings
- Was a Physical Custody Arrest Made?

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ADDRESSING RESEARCH CHALLENGES

CJC's Multimodal Approach

- ❑ Considers the different stages of stops to ensure that each decision point is examined.
- ❑ Doesn't include benchmarks due to their methodological weaknesses.
- ❑ Utilizes multivariate statistics wherever possible to address alternative explanations.
- ❑ Provide the most holistic view of the stops landscape in Oregon.



STOP OUTCOMES

DECISION TO CITE, SEARCH, ARREST

Stop Outcomes

- Holding other factors constant, do we find different dispositional outcomes across racial/ethnic groups?
- Propensity score matching analysis is a statistical approach to balance across multiple factors
- In effect, you are able to balance your data so you can test for race-based differences.
- Reason for stop is accounted for, but not reason for disposition

- No Significant Differences Found

Agency	Race	Citation	Search	Arrest
Milwaukie PD	Asian	--	--	--
	Black	--	--	--
	Latinx	--	--	--
	MidEast	--	--	--

STOP OUTCOMES

DECISION TO CITE, SEARCH, ARREST

Stop Outcomes

- No significant differences found in citation rates

Latinx		Citation Results	
Agency	Race	Actual	Predicted
Milwaukie PD	Asian	18.6%	22.7%
	Black	22.5%	23.6%
	Latinx	26.4%	23.9%
	Mideast	13.4%	24.1%

SEARCH FINDINGS ANALYSIS

Outcome/Hit Rate Test

- ❑ Successful searches should be equal across different races if the decision to search is based on race neutral factors.
- ❑ If search success rates are consistently lower for one racial group, the target group is being searched more often than success rates would warrant.
- ❑ Sample size is too low for statistical tests

Reporting Year	White	Black	Latinx	Asian	Mideast	Native
Total Searches	39	2	4	2	0	0
Hit Rate	54%	0%	0%	50%	--	--

DECISION TO STOP

Decision to Stop Model

- Compares stops made in the daylight to stops made in darkness.
 - To ensure that similar driving populations are examined, only stops made during the morning and evening are included in the models.
 - Controls for day of the week, season, and time of day are included as well.
- If stops are being made in a race-neutral manner, stop rates should be almost identical and the model results for daylight/darkness should not be statistically significant.

Study Year(s)	Black	Latinx
2019-2021	2.68*	1.58
2020-2022	1.11	1.16

DECISION TO STOP

2019-2021

□ 2021 Report Results

- Black individuals are more likely to be stopped in daylight vs. darkness compared to white individuals.

Odds Ratio of Decision to Stop Model		
Study Year(s)	Black	Latinx
2019-2021	2.68*	1.58

- The odds of stops for Black drivers in daylight was nearly 2.7 times the odds for white drivers, indicating a statistically significant difference.

Inter-twilight Window Stops

Race	Light	Dark	Total Stops
Black	60.2%	39.8%	113
White	53.1%	46.9%	1,563

Evening Inter-twilight Window Stops

Race	Light	Dark	Total Stops
Black	57.4%	42.6%	94
White	50.4%	49.6%	1,193

DECISION TO STOP

2020-2022

□ 2022 Report Results

- No significant difference found in the rate of Black and Latinx individuals stopped in daylight vs. darkness compared to white individuals.

Odds Ratio of Decision to Stop Model

Study Year(s)	Black	Latinx
2020-2022	1.11	1.16

Inter-twilight Window Stops

Race	Light	Dark	Total Stops
Black	44.3%	55.7%	115
White	44.5%	55.5%	1,186

Evening Inter-twilight Window Stops

Race	Light	Dark	Total Stops
Black	39.2%	60.8%	102
White	41.8%	58.2%	960

RESOURCES

- STOP Website: <https://www.oregon.gov/cjc/stop/Pages/default.aspx>
- HB 2355: https://www.oregon.gov/cjc/stop/Documents/HB_2355_Enrolled.pdf
- STOP Dashboard: <https://www.oregon.gov/cjc/SAC/Pages/stop.aspx>
- 2022 STOP Report: [STOP_Report_2022.pdf \(oregon.gov\)](#)