National Policing Institute
PURSUING EXCELLENCE THROUGH SCIENCE AND INNOVATION

Vermont Traffic Stops Supplemental Report
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I.   Background

In 2014, the State of Vermont passed legislation requiring all Vermont law enforcement agencies to collect and report (as amended in 2016) roadside traffic stop data to the Vermont Criminal Justice Council (VCJC), including the driver's age, gender, and race, the reason for the stop, type of search, evidence found, and the stop outcome. Soon after this legislation passed, analyses of these data were conducted by various researchers that raised concerns regarding the quality of data being collected, as well as possible racial disparities in traffic stops, arrests, and searches based on different statistical techniques used to conduct disparity assessments.

The National Policing Institute, formerly the National Police Foundation, was retained by the VCJC to compile, review, and analyze traffic stop data to identify challenges and opportunities for improvement in collection and analysis. This study aims to systematically assess and analyze traffic stop data provided to the VCJC from 2016 to 2020 to identify challenges and improvements to traffic stop data collection policies and processes.

The specific goals of this project are:

- Identifying opportunities to incorporate bias-free policing principles in traffic stops
- Producing a uniform traffic stop dataset for uploading or embedding to a public website that would facilitate future research efforts and the ability to produce visualizations and reports from the data collected
- Assessing the feasibility of using the combined dataset for testing for disproportionality at different stages of traffic stops, including the decision to stop, issue a citation, search, and arrest, using common disparity assessment techniques
- Developing recommendations to improve the efficiency and quality of traffic stop data collection, analysis, and reporting
- Developing recommendations for policies, procedures, practices, and training for conducting just and impartial traffic stops

The project team employed a mixed methods approach to understanding data collection processes and practices in Vermont, including the compilation and review of stop data provided by the VCJC. The project team performed a comprehensive data quality assessment and reviewed standard methods for analyzing traffic stop data with a feasibility assessment of applying each approach to Vermont stop data. Interviews and focus groups were also conducted with key stakeholders, providing valuable context for the recommendations.

Quantitative Data and Data Audit

The VCJC provided the project team with 95 distinct datasets purported to represent all traffic stops conducted by Vermont's law enforcement agencies from 2016-2020. This five-year period for submission included 710,998 records. A laborious multistage process was required to merge and clean these data due to the considerable inefficiencies in converting raw data files into an analysis-ready dataset. There were variations in the number of data fields included within the files and differences in the variable names, response options, and formats of data fields, requiring response values to be renamed or recoded for uniformity.

Once the 95 data files were merged into a single database, a detailed data audit process was implemented and combined with qualitative feedback and assessments from key stakeholders. Initial analyses demonstrated that the average percent of missing data statewide on one or more legislatively required variables was 16.9%, exceeding the recommended 10% or less threshold proposed by the Police Executive Research Forum for these data collection efforts.

During the final stages of the quantitative data audit conducted by senior project team members, several additional data quality issues were discovered that have delayed the final production of a reliable and valid statewide traffic stop database. A more detailed examination of the problems associated with duplicate records within the original raw data files demonstrated non-random errors associated with incident numbers used to identify individual stops. The inconsistencies identified within the incident numbers – including both missing and duplicate incident numbers – suggested that the associated stop data was unreliable for various reasons. The project team's attempted de-duplication process identified several scenarios resulting in two or more records with the same incident number. These include:

1. Stops of one individual with multiple outcomes
2. Stops of two (or more) individuals and outcomes listed for each
3. Records where the ticket number is used instead of an incident number for two records on the same day, hours apart
4. System or human error that attributes one incident number to multiple, different stops.

The simplest approach to correcting these data would be to remove any entry that does not have an identification number *or* a unique identification number. This crude approach, however, could potentially impact 19.1% of the traffic stops statewide and would result in the following:

- Under or overcounting traffic stops, statewide
- Concerns regarding the reliability and validity of any combined statewide dataset
- Impacts on future analyses of racial/ethnic disparities in traffic stops and stop outcomes

Therefore, the project team has compiled this supplemental report to facilitate the production of the statewide dataset. In Section 2, summary tables are provided to document the number of records received by each agency and the percentage of records with duplicate records or missing data issues. Section 3 lists the individual problems in each agency's data. The project team's next steps will be to work directly with the 61 affected agencies to understand better and document these issues to develop a plan to address them. This work will inform the final report and assumptions made by the project team to produce a statewide stop database. This will ensure transparency throughout the process, allowing future analyses of this dataset to be appropriately qualified.

The timeline for this process is as follows:

- Supplemental report with an agency-by-agency description of data issues requiring further discussion: 1/16/2023
- Meetings with agencies to discuss the supplemental report: 1/17/2023 – 2/4/2023
- Final report and delivery of unified dataset: 2/28/2023

II.   Agency-Specific Data (2016 – 2020)

This section provides a series of tables to summarize the data quality issues identified for all law enforcement agencies in Vermont. It is important to note that the purpose of this report, as well as the agency-specific consultations that will follow, is to provide feedback to ensure agencies have a better understanding of the state of their data. This will help inform improvements in policies and practices within and across agencies and assist the project team in producing a more reliable statewide traffic stop database.

Table 1 displays the total number of records submitted by each agency, the percent of records missing an incident ID, the percent of duplicate records due to overlapping source data files, and the percent of duplicate records due to other reasons.[1] The date ranges vary by agency; some agencies provided data from 2016 through 2020, while others were unavailable for one or more years.[2]

Of the 710,998[3] statewide records, 11.5% did not have unique incident identifying numbers (n=81,717).[4] This percentage varied widely across agencies. This is important because the project team's data audit process included an effort to remove duplicate cases, but this de-duplication process was dependent upon the availability of incident numbers. For cases without a valid incident number, the team could not systematically identify or remove duplicate records of the same stop. Under these circumstances, Autilio and colleagues (2020) recommended using the agency identifier, stop date and time, and driver age, gender, and race to identify duplicates. Unfortunately, there is inconsistency across agencies in handling stops with multiple outcomes, and many agencies train officers to omit data for additional rows when multiple outcomes are recorded. In these circumstances, the team would be unable to identify duplicates systematically. The project team will follow up with 37 agencies with at least 100 records and 10% of the records have missing incident identifying numbers (see Section 3).

Overall, the project team identified 53,703 records (7.6%) that shared incident numbers with at least one other record. A straightforward explanation and resolution were available in approximately two-thirds of the duplicate records (n=36,588). In these cases, the same stop records were submitted to the VCJC in more than one original data file. For example, an agency's data could have been submitted in a 2018 Valcour or Spillman RMS data file, and the agency also submitted its own data file for the same year. In this situation, where all variables are the same except for the source data file variable, the duplicate record can be removed with

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[1] Agency identifying information was missing in the original data files for 273 stops. The agency name could not be inferred from the file name because multiple agencies were included in the dataset. These 273 stops are excluded from this table.

[2] It is unknown why this is the case. It is possible some agencies did not collect data, did not submit collected data, or did not conduct a traffic stop during the time period.

[3] This includes a small percentage (<2%) of externally generated stops, which will be removed from the unified state dataset when it is created as it is only appropriate to examine discretionary stops when exploring whether racial disparities exist. One outlier in this regard is the stops submitted by the VT Department of Motor Vehicles, more than half of which resulted from roadside inspections. The project team will work with the DMV to systematically distinguish inspections-related and externally generated stops from discretionary stops (see Section 3).

[4] For incidents missing an ID number (n=46,589) or that had N/A as an ID number (n=35,128) the team generated its own incident identifier for internal use.

confidence that no loss of information has occurred. Therefore, no follow-up with individual agencies is necessary to correct this issue to produce the statewide dataset.

Unfortunately, the remaining 17,115 duplicate records (2.4% of all records) are not so easily resolved. In these circumstances, records with identical incident numbers contain inconsistencies or missing data, making it challenging to identify which records should be retained or removed. The prevalence of these duplicate records varied widely by agency, as demonstrated in Table 1 (agencies with duplicate records highlighted in red). The project team will follow up with 38 agencies with at least 100 records that have *any* instances of duplicate incident numbers (see Section 3).

Table 1. Total number of records, statewide and by agency in Vermont, with percent missing incident ID, percent duplicate records (n=710,998)[5]

Agency Name	Total Number of Records	Percent Missing Incident ID	Percent Duplicate Records (Overlapping Data Sources)	Percent Duplicate Records (Other Reasons)
STATEWIDE	710,998	11.5%	5.1%	2.4%
Addison County Sheriff's Department	11,592	15.4%	0.0%	2.4%
Barre City Police Department	4,982	30.4%	0.0%	4.9%
Barre Town Police Department	5,223	15.4%	0.0%	10.0%
Bellows Falls Police Department	4,008	30.2%	0.0%	3.7%
Bennington County Sheriff's Department	5,825	20.0%	0.0%	5.4%
Bennington Police Department	30,005	0.0%	0.0%	0.0%
Berlin Police Department	5,847	19.4%	0.0%	0.9%
Bethel Constabulary	396	0.0%	0.5%	0.0%
Bradford Police Department	2,229	0.1%	0.0%	0.0%
Brandon Police Department	1,876	16.6%	0.0%	2.1%
Brattleboro Police Department	19,874	0.0%	0.0%	2.3%
Brighton Police Department	45	0.0%	0.0%	0.0%
Bristol Police Department	3,272	0.1%	0.0%	0.0%
Burlington Police Department	6,084	19.2%	0.0%	0.7%
Caledonia County Sheriff's Department	709	30.9%	0.0%	1.6%
Canaan Police Department	4	0.0%	0.0%	0.0%

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[5] The state of Vermont did not provide the Institute with any datasets from the following agencies: Mount Tabor Police Department, Rutland Constabulary, VT Department of Corrections, VT Department of Public Safety, VT Homeland Security Unit, VT States Attorneys' & Sheriffs' Office, VT Secretary of State's Office of Professional Regulation, VT Board of Medical Practice, Chittenden Unit for Special Investigations, Northwest Unit for Special Investigations. In addition, the Town of Mendon Constable did not provide a dataset but rather a summary report of 76 traffic stops that could not be included. Middlebury Police Department provided information regarding 1,095 stops conducted from September 1, 2016, to August 31, 2017, in a PDF file that the Institute deemed too labor-intensive to manually convert to electronic data. Finally, Randolph Police Department and Waterbury Village Police Department have since contracted out policing services to Orange County Sheriff's Department and VSP, respectively. We include them in these descriptions as part of the overall data audit for 2016 – 2020 data.

Agency Name	Total Number of Records	Percent Missing Incident ID	Percent Duplicate Records (Overlapping Data Sources)	Percent Duplicate Records (Other Reasons)
Capitol Police Department	5	0.0%	0.0%	0.0%
Castleton Police Department	4,925	0.0%	0.0%	0.0%
Chester Police Department	1,895	0.1%	0.0%	0.0%
Chittenden County Sheriff's Office	9,372	34.4%	0.0%	3.0%
Colchester Police Department	10,210	21.7%	0.0%	15.6%
Derby VSP Barracks	13,002	0.0%	0.0%	0.0%
Department of Motor Vehicles	21,210	66.7%	0.0%	0.2%
Division of Fire Safety	3	63.3%	0.0%	0.0%
Dover Police Department	2,852	0.1%	0.0%	0.0%
Essex County Sheriff's Office	1,257	0.0%	0.0%	0.0%
Essex Police Department	15,692	3.7%	36.4%	0.0%
Fair Haven Constabulary	21	0.0%	0.0%	0.0%
Fair Haven Police Department	5,354	0.0%	0.0%	0.0%
Fairlee Police Department	178	1.1%	0.0%	0.0%
Federal Protective Service	11	0.0%	0.0%	0.0%
Fish & Wildlife Department	755	0.3%	64.5%	0.0%
Franklin County Sheriff's Office	7,346	53.5%	0.0%	0.0%
Grand Isle County Sheriff's Department	10,744	0.0%	0.0%	0.0%
Granville Constabulary	44	0.0%	0.0%	4.5%
Groton Constabulary	101	0.0%	0.0%	0.0%
Hardwick Police Department	2,123	16.2%	0.0%	0.1%
Hartford Police Department	8,943	0.0%	0.0%	0.0%
Hinesburg Police Department	5,654	0.0%	0.0%	0.0%
Killington Police Department	760	2.1%	0.0%	0.0%
Lamoille County Sheriff's Department	4,093	21.6%	0.0%	5.9%
Ludlow Police Department	1,397	59.1%	0.0%	0.0%
Lyndonville Police Department	1,038	26.7%	0.0%	0.0%
Manchester Police Department	3,048	28.4%	0.0%	2.2%
Middlebury Police Department	3,548	28.4%	0.0%	0.2%
Middlesex VSP Barracks	21,706	0.0%	0.0%	0.1%
Milton Police Department	16,924	12.4%	45.2%	1.8%
Montpelier Police Department	5,704	19.1%	0.0%	13.1%
Morristown Police Department	3,497	24.7%	0.0%	4.6%
New Haven VSP Barracks	17,225	0.0%	0.0%	0.0%
Newport Police Department	4,766	14.7%	0.0%	12.1%
Northfield Police Department	1,555	26.9%	0.0%	0.0%
Norwich Police Department	4,337	0.1%	0.0%	2.2%

Agency Name	Total Number of Records	Percent Missing Incident ID	Percent Duplicate Records (Overlapping Data Sources)	Percent Duplicate Records (Other Reasons)
Orange County Sheriff's Office	4,696	19.9%	0.0%	0.4%
Orleans County Sheriff's Office	2,686	0.0%	0.1%	0.0%
Pawlet Constabulary	26	7.7%	0.0%	0.0%
Pittsford Police Department	838	26.3%	0.0%	1.9%
Poultney Constabulary	1,102	0.2%	0.0%	0.0%
Randolph Police Department	980	0.2%	0.0%	0.0%
Richmond Police Department	6,395	0.0%	0.0%	0.0%
Rochester Constabulary	76	0.0%	0.0%	0.0%
Royalton Police Department	757	0.3%	0.0%	0.0%
Royalton VSP Barracks	21,342	0.0%	0.0%	0.0%
Rutland City Police Department	18,899	0.0%	32.2%	0.0%
Rutland County Sheriff's Office	11,905	59.4%	0.0%	0.0%
Rutland Town Police Department	1,328	0.2%	0.0%	0.0%
Rutland VSP Barracks	26,645	0.0%	0.0%	0.0%
Shaftsbury VSP Barracks	17,656	0.0%	0.0%	0.0%
Shelburne Police Department	4,827	0.0%	0.0%	0.4%
South Burlington Police Department	6,669	20.8%	0.0%	2.6%
Springfield Police Department	13,541	23.7%	0.0%	0.9%
St. Albans Police Department	10,512	26.3%	0.0%	12.3%
St. Albans VSP Barracks	21,633	0.4%	0.0%	0.0%
St. Johnsbury VSP Barracks	29,372	0.0%	0.0%	0.0%
St. Johnsbury Police Department	6,142	16.9%	0.0%	1.4%
Stowe Police Department	4,579	34.1%	0.0%	1.5%
Swanton Police Department	2,824	0.1%	0.0%	0.1%
Thetford Police Department	1,150	0.2%	0.0%	0.0%
University of Vermont Police Department	12,219	2.7%	39.4%	20.5%
Vergennes Police Department	10,138	0.0%	0.0%	0.0%
VT Department of Liquor Control	69	63.8%	20.3%	0.0%
VT Intelligence Center	16	0.0%	0.0%	0.0%
VT Office of the Attorney General	2	100.0%	0.0%	0.0%
VT State Police Headquarters	1,231	0.2%	0.0%	0.0%
Washington County Sheriff's Department	7,573	17.7%	0.0%	0.4%
Waterbury Village Police Department	61	3.3%	0.0%	0.0%
Weathersfield Police Department	2,086	0.1%	0.0%	0.0%
Wells Constabulary	26	0.0%	0.0%	0.0%
Westminster VSP Barracks	33,351	0.0%	0.0%	0.0%
Williston Police Department	18,302	44.4%	0.0%	2.7%

Agency Name	Total Number of Records	Percent Missing Incident ID	Percent Duplicate Records (Overlapping Data Sources)	Percent Duplicate Records (Other Reasons)
Williston VSP Barracks	31,032	0.0%	0.0%	0.0%
Wilmington Police Department	5,522	0.0%	0.0%	0.2%
Windham County Sheriff's Office	7,246	60.3%	0.0%	0.0%
Windsor County Sheriff's Department	36,551	18.1%	32.3%	0.0%
Windsor Police Department	3,288	0.1%	0.0%	0.0%
Winhall Police Department	1,949	0.1%	0.0%	4.3%
Winooski Police Department	5,335	10.4%	0.0%	10.0%
Woodstock Police Department	4,882	0.0%	0.0%	0.0%

In a best practice guide for traffic stop data collection published by the Police Executive Research Forum (PERF) in 2004, Fridell identified 10% as a target for agencies to stay under when reviewing data for missingness; if there is a much higher prevalence of missing data, it may be necessary to adjust training or oversight to ensure the root of the issue is identified. Table 2 displays, statewide and by agency, the overall percent of missing data from 2016-2020 and the percent of missing data by individual year. [6] These percentages are based on a composite variable created by the project team that represents the percentage of records with missing data on one or more of the legislatively required variables.[7] It is also important to note that agencies with a value of 100% in the table for any given year are not missing 100% of the data; rather, 100% *of the records* they submitted have missing data on at least one of the required variables. The specific variables with missing data are documented next in Table 3.

As shown in Table 2, the percentage of agencies' records with legislatively required missing data varies widely. Rates that exceed 10% are highlighted in red in Table 2. For some agencies, the percentages should be interpreted with caution based on a small number of total stops. A total of 51 agencies exceeded the 10% missing data threshold overall from 2016 to 2020. The project team will follow up with 29 agencies with at least 100 records that exceed the 10% missing data threshold overall and are not showing improvement in 2019 and 2020. An additional eight agencies demonstrating progress on missing data are being followed up with for other data quality issues. Since they are already being contacted, the project team will also inquire about missing data.

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[6] It is important to note that the percentage of missing data reported in Figure 1 may be slightly inflated based on the inclusion of duplicate records.

[7] This percentage reflects the records where there was no information provided in the original source data files for age, race, gender, stop reason, stop outcome, search, or contraband. It also includes instances where 'NA' was entered for search (n=1,625) or contraband (n=2,533). It does not assess invalid data entries (e.g., where information was entered that does not match given response options for that field or where, for example, a zero was entered for age). It also does not reflect the percent of records where "unknown" race or gender was entered.

Table 2. Percent any missing data on required variables, statewide and by agency by year[8]

Agency Name	Number of Records	Average % Missing 2016-2020	% Missing 2016	% Missing 2017	% Missing 2018	% Missing 2019	% Missing 2020
STATEWIDE	710,998	16.9%	18.3%	15.1%	21.6%	13.4%	16.3%
Addison County Sheriff's Dept	11,592	14.6%	4.8%	81.5%	7.8%	1.3%	4.3%
Barre City Police Dept	4,982	10.4%	33.3%	NA	13.2%	9.2%	8.9%
Barre Town Police Dept	5,223	2.4%	NA	NA	0.0%	5.8%	0.9%
Bellows Falls Police Dept	4,008	8.5%	66.7%	0.0%	0.0%	18.7%	1.1%
Bennington County Sheriff's Dept	5,825	4.4%	NA	100.0%	8.6%	1.5%	0.0%
Bennington Police Dept	30,005	88.1%	98.3%	100.0%	100.0%	100.0%	0.1%
Berlin Police Dept	5,847	7.8%	2.3%	98.1%	0.0%	10.8%	10.6%
Bethel Constabulary	396	100.0%	100.0%	NA	100.0%	100.0%	100.0%
Bradford Police Dept	2,229	0.5%	0.7%	0.2%	0.9%	0.9%	2.8%
Brandon Police Dept	1,876	1.2%	NA	NA	0.0%	2.6%	0.3%
Brattleboro Police Dept	19,874	4.1%	2.6%	0.9%	8.7%	4.0%	6.4%
Brighton Police Dept	45	100.0%	NA	NA	100.0%	100.0%	100.0%
Bristol Police Dept	3,272	22.3%	9.0%	39.2%	35.6%	22.0%	5.6%
Burlington Police Dept	6,084	48.7%	66.7%	NA	98.7%	10.9%	0.3%
Caledonia County Sheriff's Dept	709	2.4%	NA	NA	0.0%	3.1%	4.6%
Canaan Police Dept	4	75.0%	NA	NA	NA	100.0%	66.7%
Capitol Police Dept	5	100.0%	NA	100.0%	100.0%	100.0%	NA
Castleton Police Dept	4,925	76.1%	50.0%	0.3%	85.3%	100.0%	100.0%
Chester Police Dept	1,895	12.6%	43.4%	14.0%	9.5%	7.7%	4.5%
Chittenden County Sheriff's Office	9,372	2.4%	NA	0.0%	0.0%	3.4%	3.0%
Colchester Police Dept	10,210	8.6%	NA	NA	17.0%	0.0%	2.4%
Derby VSP Barracks	13,002	1.3%	0.1%	0.2%	0.2%	0.0%	11.8%
Division of Fire Safety	3	66.7%	66.7%	NA	NA	NA	NA
Dept of Motor Vehicles	21,210	0.0%	NA	0.1%	0.0%	0.0%	0.1%
Dover Police Dept	2,852	6.4%	0.4%	0.0%	0.2%	0.0%	18.3%
Essex County Sheriff's Office	1,257	100.0%	NA	NA	100.0%	100.0%	100.0%
Essex Police Dept	15,692	61.9%	NA	NA	100.0%	22.9%	66.8%
Fair Haven Constabulary	21	0.0%	NA	NA	0.0%	0.0%	0.0%
Fair Haven Police Dept	5,354	7.5%	16.3%	9.2%	21.1%	4.6%	4.8%

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[8] The date ranges provided vary by agency; some agencies provided data from 2016 through 2020, while others were unavailable for one or more years. It is unknown why this is the case. It is possible some agencies did not collect data, did not submit collected data, or did not conduct a traffic stop during the time period. The latter is particularly likely for small agencies that conduct a minimal number of traffic stops overall. "NA" is shown for agencies that did not submit data for a given year.

Agency Name	Number of Records	Average % Missing 2016-2020	% Missing 2016	% Missing 2017	% Missing 2018	% Missing 2019	% Missing 2020
Fairlee Police Dept	178	99.4%	100.0%	100.0%	100.0%	100.0%	97.2%
Federal Protective Service	11	0.0%	NA	NA	0.0%	NA	NA
Fish & Wildlife Dept	755	23.0%	13.4%	28.6%	27.6%	22.5%	40.0%
Franklin County Sheriff's Office	7,346	11.8%	NA	4.8%	21.6%	10.3%	9.9%
Grand Isle County Sheriff's Dept	10,744	10.8%	0.2%	0.1%	1.1%	1.6%	53.8%
Granville Constabulary	44	100.0%	100.0%	NA	100.0%	100.0%	NA
Groton Constabulary	101	3.0%	NA	NA	NA	NA	3.0%
Hardwick Police Dept	2,123	25.3%	NA	32.1%	20.2%	4.9%	36.6%
Hartford Police Dept	8,943	11.1%	NA	6.1%	24.9%	4.0%	6.3%
Hinesburg Police Dept	5,654	9.0%	0.6%	0.2%	0.3%	8.4%	55.3%
Killington Police Dept	760	2.4%	NA	NA	1.5%	4.0%	6.3%
Lamoille County Sheriff's Dept	4,093	5.3%	NA	NA	0.0%	8.3%	12.3%
Ludlow Police Dept	1,397	64.0%	NA	0.0%	0.0%	77.6%	52.3%
Lyndonville Police Dept	1,038	0.9%	NA	NA	0.0%	2.1%	0.4%
Manchester Police Dept	3,048	23.9%	NA	NA	0.7%	47.6%	21.3%
Middlebury Police Dept	3,548	1.2%	NA	NA	0.0%	3.5%	0.0%
Middlesex VSP Barracks	21,706	0.5%	1.0%	0.1%	1.6%	0.0%	0.0%
Milton Police Dept	16,924	4.4%	16.5%	NA	0.0%	1.8%	0.8%
Montpelier Police Dept	5,704	16.4%	NA	NA	24.3%	13.3%	4.6%
Morristown Police Dept	3,497	6.5%	NA	6.3%	0.0%	11.8%	6.4%
New Haven VSP Barracks	17,225	0.1%	NA	0.0%	0.2%	0.2%	0.2%
Newport Police Dept	4,766	11.1%	100.0%	23.8%	0.0%	4.2%	4.9%
Northfield Police Dept	1,555	98.7%	50.0%	100.0%	74.6%	100.0%	99.8%
Norwich Police Dept	4,337	95.1%	NA	99.4%	100.0%	99.6%	76.4%
Orange County Sheriff's Office	4,696	32.4%	97.9%	100.0%	0.0%	8.4%	4.3%
Orleans County Sheriff's Office	2,686	99.6%	NA	100.0%	99.0%	99.5%	100.0%
Pawlet Constabulary	26	23.1%	50.0%	0.0%	20.0%	14.3%	25.0%
Pittsford Police Dept	838	3.6%	100.0%	0.0%	2.6%	1.6%	6.4%
Poultney Constabulary	1,102	19.5%	98.6%	85.1%	27.6%	2.1%	2.3%
Randolph Police Dept	980	99.5%	85.7%	99.4%	100.0%	NA	NA
Richmond Police Dept	6,395	0.7%	0.1%	0.1%	0.4%	0.6%	23.2%
Rochester Constabulary	76	100.0%	100.0%	NA	100.0%	NA	NA
Royalton Police Dept	757	97.0%	80.0%	97.3%	80.6%	100.0%	98.8%
Royalton VSP Barracks	21,342	0.2%	NA	0.1%	0.1%	0.2%	0.9%
Rutland City Police Dept	18,899	11.1%	42.7%	1.0%	2.7%	1.1%	3.1%
Rutland County Sheriff's Office	11,905	6.9%	NA	NA	0.1%	12.7%	7.4%

Agency Name	Number of Records	Average % Missing 2016-2020	% Missing 2016	% Missing 2017	% Missing 2018	% Missing 2019	% Missing 2020
Rutland Town Police Dept	1,328	1.7%	1.2%	0.2%	2.1%	3.3%	3.3%
Rutland VSP Barracks	26,645	0.1%	NA	0.1%	0.1%	0.2%	0.1%
Shaftsbury VSP Barracks	17,656	0.6%	NA	0.8%	0.1%	0.2%	2.1%
Shelburne Police Dept	4,827	68.3%	99.1%	99.5%	56.5%	49.4%	65.0%
South Burlington Police Dept	6,669	10.6%	NA	NA	16.3%	1.4%	11.4%
Springfield Police Dept	13,541	14.5%	0.6%	19.3%	28.3%	12.4%	0.1%
St. Albans Police Dept	10,512	32.8%	66.7%	NA	100.0%	1.5%	1.2%
St. Albans VSP Barracks	21,633	0.2%	0.1%	0.3%	0.0%	0.0%	1.2%
St. Johnsbury VSP Barracks	29,372	0.5%	0.1%	0.2%	0.2%	0.1%	4.2%
St. Johnsbury Police Dept	6,142	12.0%	66.7%	25.1%	0.0%	2.7%	4.0%
Stowe Police Dept	4,579	6.4%	NA	NA	12.8%	6.9%	0.1%
Swanton Police Dept	2,824	40.6%	3.8%	2.1%	30.2%	51.8%	73.4%
Thetford Police Dept	1,150	98.3%	75.0%	98.1%	99.0%	100.0%	94.9%
University of Vermont PD	12,219	1.7%	0.7%	0.7%	1.8%	3.6%	2.2%
Vergennes Police Dept	10,138	21.2%	6.1%	1.9%	12.5%	39.7%	98.6%
VT Dept of Liquor Control	69	60.9%	NA	NA	0.0%	100.0%	66.7%
VT Intelligence Center	16	6.3%	NA	6.7%	NA	0.0%	NA
VT Office of the Attorney General	2	0.0%	NA	NA	NA	NA	0.0%
VSP Headquarters	1,231	1.6%	NA	1.8%	1.5%	0.0%	5.1%
Washington County Sheriff's Dept	7,573	29.1%	100.0%	100.0%	0.0%	0.8%	0.2%
Waterbury Village PD	61	6.6%	11.1%	4.7%	NA	NA	NA
Weathersfield Police Dept	2,086	35.0%	6.0%	89.0%	12.9%	2.1%	2.2%
Wells Constabulary	26	0.0%	NA	NA	0.0%	0.0%	0.0%
Westminster VSP Barracks	33,351	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
Williston Police Dept	18,302	49.7%	17.4%	39.0%	86.7%	2.9%	75.4%
Williston VSP Barracks	31,032	0.1%	0.0%	0.1%	0.0%	0.1%	0.4%
Wilmington Police Dept	5,522	7.2%	1.3%	7.0%	4.4%	18.2%	8.1%
Windham County Sheriff's Office	7,246	1.9%	NA	NA	0.3%	4.5%	0.1%
Windsor County Sheriff's Dept	36,551	32.7%	0.6%	18.7%	55.5%	47.9%	0.5%
Windsor Police Dept	3,288	56.0%	NA	NA	82.0%	0.4%	2.0%
Winhall Police Dept	1,949	57.5%	33.3%	0.0%	30.8%	100.0%	97.7%
Winooski Police Dept	5,335	7.0%	0.3%	NA	15.3%	3.6%	0.9%
Woodstock Police Dept	4,882	18.7%	8.0%	25.3%	20.7%	16.0%	15.6%

Table 3 displays the percentage of missing data on the seven legislatively required data fields for all law enforcement agencies for which the Institute received data. Statewide, the variables with the highest percent of missing data were age, search, and contraband, but the rate of missing data varied widely across agencies and variables. Again, for some agencies, the percentages should be interpreted with caution based on a small number of total stops.

The Institute inquired in several interviews about possible reasons for large percentages of missing data. In some cases, agency representatives indicated that the data files held by the individual law enforcement agencies were more complete than the data received by the VCJC. The Institute did not initially verify these statements, and there was no explanation for the cause of this information loss. However, in some records, missing data could indicate a need for further communication and training for the officers (Fridell, 2004). Ideally, individual variables should have less than 5% missing data. As noted above, the project team intends to follow up with 29 agencies with larger volumes of missing data that have yet to improve over time to ascertain the root of this problem and identify potential resolutions for correcting this issue moving forward.

Table 3. Percent of missing data for the seven legislatively required data fields, statewide and by agency in Vermont

Agency Name	Number of Stops	Age	Gender	Race	Reason for Stop	Stop Outcome	Reason for Search	Contraband or Evidence Seized
STATEWIDE	710,998	8.7%	2.8%	2.0%	4.2%	3.8%	4.4%	6.6%
Addison County Sheriff's Dept	11,592	0.1%	0.8%	1.2%	1.6%	2.0%	1.7%	12.9%
Barre City Police Dept	4,982	0.0%	4.4%	2.8%	4.0%	2.1%	4.8%	5.4%
Barre Town Police Dept	5,223	0.0%	2.0%	0.1%	0.1%	0.2%	0.2%	0.2%
Bellows Falls Police Dept	4,008	0.0%	2.3%	0.3%	0.3%	0.6%	6.3%	6.4%
Bennington County Sheriff's Dept	5,825	0.1%	0.5%	3.5%	3.3%	0.4%	3.3%	3.6%
Bennington Police Dept	30,005	88.0%	0.7%	2.4%	3.0%	2.8%	2.8%	3.1%
Berlin Police Dept	5,847	0.1%	0.2%	0.1%	0.5%	0.5%	0.4%	7.3%
Bethel Constabulary	396	100.0%	3.0%	4.5%	0.0%	12.6%	0.0%	22.7%
Bradford Police Dept	2,229	0.0%	0.1%	0.2%	0.1%	0.1%	0.2%	0.3%
Brandon Police Dept	1,876	0.7%	0.4%	0.1%	0.5%	0.4%	0.3%	0.5%
Brattleboro Police Dept	19,874	0.5%	0.3%	2.7%	0.6%	0.5%	0.6%	1.0%
Brighton Police Dept	45	11.1%	0.0%	0.0%	2.2%	2.2%	55.6%	100.0%
Bristol Police Dept	3,272	3.2%	1.1%	12.4%	4.8%	0.4%	0.6%	8.3%
Burlington Police Dept	6,084	4.7%	5.4%	5.0%	7.7%	4.5%	3.4%	48.0%
Caledonia County Sheriff's Dept	709	0.0%	0.4%	1.3%	1.6%	0.1%	1.6%	1.6%
Canaan Police Dept	4	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%
Capitol Police Dept	5	0.0%	0.0%	20.0%	0.0%	80.0%	80.0%	100.0%
Castleton Police Dept	4,925	0.3%	0.0%	0.1%	76.0%	76.0%	76.0%	76.1%
Chester Police Dept	1,895	2.7%	0.8%	8.9%	1.3%	1.3%	1.3%	1.7%
Chittenden County Sheriff's Office	9,372	0.0%	1.1%	0.2%	0.4%	0.4%	0.5%	0.8%
Colchester Police Dept	10,210	0.0%	0.1%	8.4%	7.9%	0.0%	7.9%	7.9%
Derby VSP Barracks	13,002	0.1%	1.2%	0.0%	0.0%	0.0%	0.1%	0.0%
Division of Fire Safety	3	66.7%	66.7%	66.7%	66.7%	66.7%	66.7%	66.7%
Dept of Motor Vehicles	21,210	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

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Agency Name	Number of Stops	Age	Gender	Race	Reason for Stop	Stop Outcome	Reason for Search	Contraband or Evidence Seized
Dover Police Dept	2,852	0.1%	6.3%	0.1%	0.1%	0.1%	0.1%	0.1%
Essex County Sheriff's Office	1,257	100.0%	1.6%	2.9%	0.4%	0.2%	0.2%	99.8%
Essex Police Dept	15,692	48.2%	12.9%	2.2%	0.5%	0.5%	0.6%	0.7%
Fair Haven Constabulary	21	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fair Haven Police Dept	5,354	3.0%	1.0%	1.1%	0.4%	0.6%	0.6%	3.9%
Fairlee Police Dept	178	98.9%	2.8%	4.5%	24.2%	21.3%	23.6%	30.3%
Federal Protective Service	11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fish & Wildlife Dept	755	6.8%	0.3%	1.5%	5.4%	4.8%	6.0%	18.1%
Franklin County Sheriff's Office	7,346	0.0%	2.9%	5.0%	5.0%	6.3%	6.1%	7.5%
Grand Isle County Sheriff's Dept	10,744	0.1%	10.5%	0.2%	0.1%	0.1%	0.1%	0.1%
Granville Constabulary	44	100.0%	0.0%	0.0%	0.0%	36.4%	0.0%	36.4%
Groton Constabulary	101	2.0%	3.0%	3.0%	1.0%	1.0%	1.0%	1.0%
Hardwick Police Dept	2,123	0.7%	17.8%	16.3%	3.6%	3.9%	3.6%	3.8%
Hartford Police Dept	8,943	0.6%	8.1%	1.1%	1.7%	1.1%	1.7%	1.6%
Hinesburg Police Dept	5,654	8.2%	0.9%	0.2%	0.1%	0.1%	0.1%	0.1%
Killington Police Dept	760	0.4%	0.7%	0.5%	0.8%	0.8%	0.5%	0.8%
Lamoille County Sheriff's Dept	4,093	0.0%	4.2%	0.5%	0.5%	0.5%	0.6%	0.8%
Ludlow Police Dept	1,397	0.0%	36.1%	0.4%	29.8%	52.5%	59.3%	59.7%
Lyndonville Police Dept	1,038	0.0%	0.7%	0.1%	0.1%	0.0%	0.1%	0.1%
Manchester Police Dept	3,048	0.0%	3.0%	0.2%	3.1%	3.9%	8.7%	21.9%
Middlebury Police Dept	3,548	0.0%	0.5%	0.0%	0.7%	0.3%	0.5%	0.4%
Middlesex VSP Barracks	21,706	0.2%	0.1%	0.2%	0.0%	0.0%	0.1%	0.1%
Milton Police Dept	16,924	1.0%	1.1%	0.8%	2.2%	2.3%	2.6%	2.6%
Montpelier Police Dept	5,704	0.3%	0.5%	8.1%	9.1%	1.2%	15.2%	15.4%
Morristown Police Dept	3,497	1.4%	2.5%	3.3%	1.7%	0.3%	2.0%	2.3%
New Haven VSP Barracks	17,225	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%

Agency Name	Number of Stops	Age	Gender	Race	Reason for Stop	Stop Outcome	Reason for Search	Contraband or Evidence Seized
Newport Police Dept	4,766	1.0%	0.5%	7.8%	8.7%	1.7%	8.6%	9.0%
Northfield Police Dept	1,555	73.4%	25.9%	1.8%	3.3%	44.2%	44.0%	70.4%
Norwich Police Dept	4,337	35.5%	44.0%	37.2%	35.2%	35.2%	35.2%	94.9%
Orange County Sheriff's Office	4,696	28.4%	0.7%	0.7%	2.2%	1.1%	3.1%	3.4%
Orleans County Sheriff's Office	2,686	99.4%	1.8%	0.6%	0.2%	0.2%	0.3%	0.9%
Pawlet Constabulary	26	11.5%	7.7%	11.5%	11.5%	11.5%	11.5%	19.2%
Pittsford Police Dept	838	0.7%	1.0%	1.1%	0.4%	1.2%	1.4%	1.4%
Poultney Constabulary	1,102	18.1%	1.6%	4.4%	0.5%	0.5%	0.5%	0.6%
Randolph Police Dept	980	7.9%	0.4%	1.3%	1.1%	0.5%	0.4%	93.9%
Richmond Police Dept	6,395	0.1%	0.5%	0.1%	0.0%	0.1%	0.0%	0.1%
Rochester Constabulary	76	100.0%	1.3%	2.6%	0.0%	73.7%	0.0%	73.7%
Royalton Police Dept	757	62.0%	10.3%	5.7%	1.2%	1.2%	0.9%	49.0%
Royalton VSP Barracks	21,342	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
Rutland City Police Dept	18,899	9.7%	0.3%	0.9%	0.6%	0.5%	0.5%	0.5%
Rutland County Sheriff's Office	11,905	0.0%	1.5%	0.8%	1.6%	0.8%	3.5%	4.4%
Rutland Town Police Dept	1,328	0.3%	0.5%	0.4%	0.3%	0.3%	0.3%	1.1%
Rutland VSP Barracks	26,645	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Shaftsbury VSP Barracks	17,656	0.1%	0.5%	0.0%	0.1%	0.1%	0.1%	0.1%
Shelburne Police Dept	4,827	46.6%	21.9%	4.0%	2.3%	0.6%	2.4%	2.7%
South Burlington Police Dept	6,669	0.0%	2.9%	7.7%	7.7%	7.6%	7.7%	7.7%
Springfield Police Dept	13,541	0.0%	6.9%	7.5%	3.4%	3.3%	3.4%	3.3%
St. Albans Police Dept	10,512	31.9%	0.4%	0.3%	0.4%	0.2%	0.4%	0.5%
St. Albans VSP Barracks	21,633	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%
St. Johnsbury VSP Barracks	29,372	0.1%	0.4%	0.0%	0.1%	0.1%	0.1%	0.1%
St. Johnsbury Police Dept	6,142	0.1%	0.7%	10.7%	11.1%	11.0%	11.1%	11.2%
Stowe Police Dept	4,579	0.0%	0.4%	3.1%	6.0%	6.0%	5.9%	5.9%

Agency Name	Number of Stops	Age	Gender	Race	Reason for Stop	Stop Outcome	Reason for Search	Contraband or Evidence Seized
Swanton Police Dept	2,824	36.0%	2.6%	3.6%	0.1%	0.2%	0.2%	0.4%
Thetford Police Dept	1,150	0.8%	10.3%	1.7%	0.5%	0.5%	0.6%	88.5%
University of Vermont Police Dept	12,219	0.0%	0.5%	0.6%	0.9%	0.8%	0.6%	0.9%
Vergennes Police Dept	10,138	2.6%	16.2%	0.6%	2.0%	2.0%	2.2%	2.8%
VT Dept of Liquor Control	69	0.0%	33.3%	7.2%	33.3%	33.3%	33.3%	34.8%
VT Intelligence Center	16	6.3%	0.0%	0.0%	6.3%	6.3%	6.3%	6.3%
VT Office of the Attorney General	2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
VSP Headquarters	1,231	0.6%	0.3%	0.4%	0.2%	0.4%	0.2%	0.3%
Washington County Sheriff's Dept	7,573	1.2%	1.3%	1.3%	4.4%	4.4%	4.3%	28.9%
Waterbury Village Police Dept	61	4.9%	3.3%	3.3%	3.3%	3.3%	3.3%	4.9%
Weathersfield Police Dept	2,086	0.1%	0.8%	0.8%	0.1%	0.2%	1.8%	33.7%
Wells Constabulary	26	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Westminster VSP Barracks	33,351	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Williston Police Dept	18,302	36.4%	11.7%	4.3%	3.9%	3.9%	3.9%	4.0%
Williston VSP Barracks	31,032	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Wilmington Police Dept	5,522	3.9%	5.2%	3.4%	1.8%	0.5%	1.9%	1.8%
Windham County Sheriff's Office	7,246	0.0%	1.5%	0.2%	0.1%	0.1%	0.2%	0.1%
Windsor Police Dept	3,288	40.5%	55.8%	40.7%	40.5%	40.5%	40.5%	40.5%
Windsor County Sheriff's Dept	36,551	0.1%	0.1%	0.2%	32.5%	32.2%	32.4%	32.4%
Winhall Police Dept	1,949	5.0%	45.8%	9.7%	1.8%	1.1%	1.4%	10.2%
Winooski Police Dept	5,335	0.0%	0.6%	5.7%	6.3%	0.4%	6.3%	6.4%
Woodstock Police Dept	4,882	0.7%	0.5%	3.4%	16.7%	0.5%	16.8%	16.9%

III. Agency Data Challenges

The project team received 95 datasets from Vermont law enforcement agencies containing traffic stop data for 2016 – 2020. In this section, the 61 agencies identified for follow-up are listed along with the names of the source data files in which their data was found.[9] Additionally, the agencies' total records across datasets and the number of records received without an incident number are listed. These agencies require more targeted follow-up discussions for the project team to understand better the causes of duplicate records, high volumes of missing data, or high volumes of records without incident numbers. The project team developed assumptions for interpreting each scenario, but confirmation of these assumptions is necessary to move forward. Agencies' data will not be reviewed at the individual case level. Instead, examples of specific data challenges will be reviewed, and these resolutions will be applied to the overall data. As a result, the uniform dataset may still contain errors, but the project team anticipates that the impact of these errors will be minimal.

The project team will conduct one-on-one meetings with each agency to confirm or revise the assumptions made. Through these conversations, the project team intends to understand how to handle these records on an aggregate level. The project team will seek to understand policies, training practices, or data collection methods that may have led to the following issues. It is important to reiterate that the purpose of this supplemental report and the follow-up communications is to glean information that can assist in establishing a feedback loop for these agencies to improve data collection efforts in the future and to assist the project team in producing a more reliable statewide traffic stop database.

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[9] The following agencies did not have data quality issues requiring follow-up or had less than 100 total records for 2016-2020: Bradford Police Department, Brighton Police Department, Canaan Police Department, Capitol Police Department, Chester Police Department, Derby VSP Barracks, Division of Fire Safety, Dover Police Department, Fair Haven Constabulary, Fair Haven Police Department, Federal Protective Service, VT Fish and Wildlife Department, Granville Constabulary, Groton Constabulary, Hartford Police Department, Hinesburg Police Department, New Haven VSP Barracks, Pawlet Constabulary, Poultney Constabulary, Richmond Police Department, Rochester Constabulary, Royalton Police Department, Royalton VSP Barracks, Rutland City Police Department, Rutland Town Police Department, Rutland VSP Barracks, Shaftsbury VSP Barracks, St. Albans VSP Barracks, St. Johnsbury VSP Barracks, VT Department of Liquor Control, VT Intelligence Center, VT Office of the Attorney General, VSP Headquarters, Waterbury Village Police Department, Weathersfield Police Department, Wells Constabulary, Windsor Police Department.

Addison County Sheriff's Department

Data found in the following datasets:

- 2016_spillman_tsrd(1).xls
- spillmantrafficreports_2017w.oessex.xlsx
- addison_2018_ts_rd_data.xlsx
- Addison CSD 2019 TS&R.xlsx
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 11,592

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers[10]: 1,783
- Same Incident ID, Different Information: 32
- 32 rows contain one incident number
  - Confirm separate stops or the same stop with multiple individuals
    - 4 rows for each entry
    - In some records, no stop basis, search basis, ticket outcome, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/Evidence	Stop Date	Stop Time	Agency	Stop Address
18ADC002519	M	22	W	M	NS	T	X	12/11/2018	12/11/2018 12:00	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	M	22	W	M	NS	T	X	12/11/2018	12/11/2018 12:00	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	M	22	W	M	NS	T	X	12/11/2018	12/11/2018 12:00	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	M	22	W	M	NS	T	X	12/11/2018	12/11/2018 12:00	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	F	27	W	M	NS	T	X	11/20/2018	11/20/2018 13:11	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	F	27	W	M	NS	T	X	11/20/2018	11/20/2018 13:11	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	F	27	W	M	NS	T	X	11/20/2018	11/20/2018 13:11	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472

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[10] It is important to note that the 2016 Spillman source data file contains two additional blank rows for 48 agencies; it is unclear if this was due to a system error or human error. These records are included in the totals listed for "records without incident numbers or with NPF-assigned incident numbers."

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/Evidence	Stop Date	Stop Time	Agency	Stop Address
18ADC002519	F	27	W	M	NS	T	X	11/20/2018	11/20/2018 13:11	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	M	22	W					11/20/2018	11/20/18 1:11 PM	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	M	22	W					11/20/2018	11/20/18 1:11 PM	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	M	22	W					11/20/2018	11/20/18 1:11 PM	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472
18ADC002519	M	22	W					11/20/2018	11/20/18 1:11 PM	NA	VT RT 7 / VT Rt 17, New Haven, VT, 05472

- Same Incident ID, Multiple outcomes: 247
- 247 Rows contain 105 incident numbers
  - Confirm the same stop with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/Evidence	Stop Date	Stop Time	Agency	Stop Address
414978	M	27	H	M	SRS	T	C	3/18/2016	3/18/16 1:49 PM	3001	State Prison Hollow Rd
414978	M	27	H	M	SW	T	C	3/18/2016	3/18/16 1:49 PM	3001	State Prison Hollow Rd
18ADC000002	Male - M	33	Black or African American - B	M	NS	T	NC	1/2/2018	1/2/18 1:31 PM	NA	Rt 22a, Addison, VT, 05491
18ADC000002	Male - M	33	Black or African American - B	M	NS	T	NC	1/2/2018	1/2/18 1:31 PM	NA	Rt 22a, Addison, VT, 05491
18ADC000002	Male - M	33	Black or African American - B	M	NS	W	X	1/2/2018	1/2/18 1:31 PM	NA	Rt 22a, Addison, VT, 05491
18ADC000002	Male - M	33	Black or African American - B	M	NS	W	X	1/2/2018	1/2/18 1:31 PM	NA	Rt 22a, Addison, VT, 05491

Barre City Police Department

Data found in the following datasets:

- 2016_spillman_tsrd(1).xls
- 2018rcmainminusvsp_essexwithagennam.xlsx
- barre_city_pd_ts_r_2018.xlsx
- 2019 Valcour TS&R All.xlsx

- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 4,982

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,516
- Same Incident ID, Multiple outcomes: 242
- 242 Rows contain 108 incident numbers
  - Confirm the same stop with multiple outcomes
    - No stop date/time or location information
    - In additional rows, perceived race listed as "NA"
    - In additional rows, no stop basis, search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BA000002	Male - M	35	W=White	M	NS	W	X	NA	NA	NA	NA
18BA000002	Male - M	35	NA			W		NA	NA	NA	NA
18BA000149	Male - M	40	W=White	M	NS	T	X	NA	NA	NA	NA
18BA000149	Male - M	40	NA			W		NA	NA	NA	NA
18BA000178	Male - M	36	W=White	V	NS	T	X	NA	NA	NA	NA
18BA000178	Male - M	36	NA			W		NA	NA	NA	NA

Barre Town Police Department

Data found in the following datasets:

- No data provided for 2016, 2017
- Barre_town_pd_ts_r_2018.xlsx
- 2019 Valcour TS&R All.xlsx
- 2020 State TS&R All – Final_cleaned.xlsx

Total records across all datasets: 5,223

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 804
- Same Incident ID, Multiple outcomes: 46
- 46 Rows contain 17 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

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Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BT000192	Female - F	25	W=White	M	NS	T	X	NA	NA	NA	NA
18BT000192	Female - F	25	W=White	M	NS	T	X	NA	NA	NA	NA
18BT000266	Male - M	59	W=White	M	NS	T	X	NA	NA	NA	NA
18BT000266	Male - M	59	W=White	M	NS	W	X	NA	NA	NA	NA
18BT000266	Male - M	59	W=White	M	NS	W	X	NA	NA	NA	NA
18BT000380	Female - F	23	W=White	M	NS	T	X	NA	NA	NA	NA
18BT000380	Female - F	23	W=White	M	NS	W	X	NA	NA	NA	NA
18BT000380	Female - F	23	W=White	M	NS	W	X	NA	NA	NA	NA
18BT000402	Male - M	24	W=White	M	NS	W	X	NA	NA	NA	NA
18BT000402	Male - M	24	W=White	M	NS	W	X	NA	NA	NA	NA

Bellows Falls Police Department

Data found in the following datasets:

- 2016_spillman_tsrd(1).xls
- Spillmantrafficreports_2017w.oessex.xlsx
- Bellows_falls_ts_r_2018.xlsx
- 2018rcmainminusvsp_essexwithagennam.xlsx
- 2019 Valcour TS&R All.xlsx
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 4,008

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,212
- Same Incident ID, Different information: 14
- 14 Rows contain 4 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BF000002	Male - M	26	W=White	M	SRS	W	C	NA	NA	NA	NA
18BF000002	Female - F	31	W=White	M	NS	W	X	NA	NA	NA	NA
18BF000009	Female - F	54	W=White	O	NS	W	X	NA	NA	NA	NA

| 18BF000009 | Male - M | 52 | W=White | O | NS | W | X | NA | NA | NA | NA |

- Same Incident ID, Multiple outcomes: 136
- 136 Rows contain 68 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BF000044	Male - M	43	W=White	M	SPC	A	C	NA	NA	NA	NA
18BF000044	Male - M	43	W=White	M	SPC	T	C	NA	NA	NA	NA
18BF001443	Male - M	42	W=White	V	NS	T	X	NA	NA	NA	NA
18BF001443	Male - M	42	W=White	V	NS	W	X	NA	NA	NA	NA
18BF000245	Male - M	27	H=Hispanic	M	NS	T	X	NA	NA	NA	NA
18BF000245	Male - M	27	H=Hispanic	M	NS	T	X	NA	NA	NA	NA

Bennington County Sheriff's Department

Data found in the following datasets:

- Spillmantrafficreports_2017w.oessex.xlsx
- bennington_sd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 5,825

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1163
- Same Incident ID, Different Information: 7
- 7 Rows contain 2 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information
    - In some records, gender listed as NA
    - In some records, no perceived race, stop basis, search basis, or search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BNC002359	NA	18						7/3/2018	7/3/2018 14:04	NA	NA
18BNC002359	NA	19						7/3/2018	7/3/2018 14:04	NA	NA
18BNC002364	M	17	W	M	NS	W	X	7/3/2018	7/3/2018 20:35	NA	NA
18BNC002364	M	19						7/3/2018	7/3/2018 20:35	NA	NA

- Same Incident ID, Multiple outcomes: 307
- 307 Rows contain 140 incident numbers
  - Confirm the same stop with multiple outcomes
    - No stop date/time or location information
    - In some records, perceived race is listed as NA
    - In some records, no stop basis, search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BNC000002	Male - M	38	W=White	M	NS	T	X	1/1/2018	1/1/2018 0:37	NA	NA
18BNC000002	Male - M	38	NA			W		1/1/2018	1/1/2018 0:37	NA	NA
18BNC000060	Female - F	34	W=White	M	NS	T	X	1/6/2018	1/6/2018 20:29	NA	NA
18BNC000060	Female - F	34	NA			T		1/6/2018	1/6/2018 20:29	NA	NA

Bennington Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman
- ALLSTATE2020.xlsx

Total records across all datasets: 30,005

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Berlin Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- berlin_pd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 5,847

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,135
- Same Incident ID, Multiple outcomes: 55
- 55 Rows contain 26 incident numbers
    - Confirm the same stop with multiple outcomes
        - No stop date/time or location information in the 2018 Berlin PD dataset

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
462886	F	65	A	M	NS	W	X	9/19/2016	9/19/2016 14:45	1203	1480 PAINE TPKE N; Water Treatment Plant
462886	F	65	A	V	NS	W	X	9/19/2016	9/19/2016 14:45	1203	1480 PAINE TPKE N; Water Treatment Plant
489436	F	42	W	M	NS	W	X	12/19/2016	12/19/2016 15:20	1203	Airport Rd & Scott Hill
489436	F	42	W	E	NS	W	X	12/19/2016	12/19/2016 15:20	1203	Airport Rd & Scott Hill
489439	M	45	W	E	NS	W	X	12/19/2016	12/19/2016 14:35	1203	Route 302 & The World
489439	M	45	W	V	NS	W	X	12/19/2016	12/19/2016 14:35	1203	Route 302 & The World
18BL000033	Male - M	40	W=White	V	NS	T	X	NA	NA	NA	NA
18BL000033	Male - M	40	W=White	V	NS	T	X	NA	NA	NA	NA
18BL000033	Male - M	40	W=White	V	NS	W	X	NA	NA	NA	NA

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Bethel Constabulary

Data found in the following datasets:

- bethel.rochester.granville_race_data_16-17
- bethel_constabulary_ts_r_2018
- Bethel constabulary
- ALLSTATE2020.xlsx

Total records across all datasets: 396

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Brandon Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- brandon_pd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 1,876

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 311
- Same Incident ID, Different Information: 3
- 3 Rows contain 1 incident number
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BD002033	Female - F	62	W=White	M	NS	T	X	NA	NA	NA	NA
18BD002033	Female - F	49	W=White	M	NS	T	X	NA	NA	NA	NA
18BD002033	Male - M	74	W=White	M	NS	T	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 37
- 37 Rows contain 18 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BD002124	Female - F	29	W=White	M	NS	T	X	NA	NA	NA	NA
18BD002124	Female - F	29	W=White	M	NS	T	X	NA	NA	NA	NA
18BD002594	Male - M	28	W=White	M	NS	T	X	NA	NA	NA	NA
18BD002594	Male - M	28	W=White	M	NS	T	X	NA	NA	NA	NA

Brattleboro Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 19,874

- Same Incident ID, Multiple outcomes: 455
- 455 Rows contain 227 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
406128	M	35	W	M	NS	A	X	1/28/2016	1/28/2016 22:57	1302	CANAL ST & ELM ST
406128	M	35	W	M	NS	T	X	1/28/2016	1/28/2016 22:57	1302	CANAL ST & ELM ST
406228	M	31	W	M	NS	A	X	2/18/2016	2/18/2016 16:50	1302	SOUTH MAIN ST & PINE ST
406228	M	31	W	M	NS	T	X	2/18/2016	2/18/2016 16:50	1302	SOUTH MAIN ST & PINE ST
406500	M	21	W	M	NS	A	X	2/14/2016	2/14/2016 0:18	1302	CANAL ST & MAPLE ST
406500	M	21	W	M	NS	T	X	2/14/2016	2/14/2016 0:18	1302	CANAL ST & MAPLE ST

Bristol Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- ALLSTATE2020.xlsx

Total records across all datasets: 3,272

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Same Incident ID, Multiple outcomes: 32
- 32 Rows contain 16 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
456437	F	22	W	M	NS	T	X	9/7/2016	9/7/2016 7:23	103	North Street
456437	F	22	W	M	NS	V	X	9/7/2016	9/7/2016 7:23	103	North Street
457258	F	22	W	M	NS	T	X	9/7/2016	9/7/2016 7:21	103	North Street
457258	F	22	W	M	NS	W	X	9/7/2016	9/7/2016 7:21	103	North Street
459220	M	25	W	M	NS	T	X	9/17/2016	9/17/2016 11:20	103	BRIGGS HILL RD & LINCOLN RD
459220	M	25	W	M	NS	V	X	9/17/2016	9/17/2016 11:20	103	BRIGGS HILL RD & LINCOLN RD

Burlington Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- burlington_pd_ts_r_2018
- 2018rcmainminusvsp_essexwithagennam
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 6,084

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,167
- Same Incident ID, Different Information: 41 records
- 41 Rows contain 7 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - In some records, up to 12 demographic information combinations used

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18BU005779	M	61	B	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	M	27	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	51	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	68	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	M	36	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	29	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	65	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	M	25	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	30	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	66	W	M	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	21	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU005779	F	44	W	V	0	W		3/20/2018	3/20/18 8:26 AM	NA	Rt 7 At Middle Rd, Milton, Vt
18BU020463	F	52	W	M	0	T		9/6/2018	9/6/18 6:55 AM	NA	Maple St At Battery St, Burlington, Vt
18BU020463	F	56	W	M	0	T		9/6/2018	9/6/18 6:55 AM	NA	Pine St At Kilburn St, Burlington, Vt
18BU020971	M	69	Other	M	0	W		9/11/2018	9/11/18 12:11 PM	NA	Rt7 At Hannaford Plaza, Milton, Vt
18BU020971	M	25	W	M	0	T		9/11/2018	9/11/18 12:11 PM	NA	Rt 7 At Bombardier Rd, Milton, Vt
18BU020971	M	53	W	M	0	W		9/11/2018	9/11/18 12:11 PM	NA	Rt7 At Lamoille Ter, Milton, Vt

18BU020971	M	19	W	V	0	W		9/11/2018	9/11/18 12:11 PM	NA	Rt7 At Bartlett, Milton, Vt
18BU020971	M	17	W	M	0	W		9/11/2018	9/11/18 12:11 PM	NA	37 Bombardier Rd, Milton, Vt
18BU020971	M	74	W	M	0	W		9/11/2018	9/11/18 12:11 PM	NA	Rt 7 At Milton Diner, Milton, Vt

Caledonia County Sheriff's Department

Data found in the following datasets:

- caledonia_county_sd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 709

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 219
- Same Incident ID, Multiple outcomes: 11
- 11 Rows contain 5 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18CAC000218	Female - F	42	W=White	M	NS	T	X	NA	NA	NA	NA
18CAC000218	Female - F	42	W=White	M	NS	T	X	NA	NA	NA	NA
18CAC000232	Male - M	18	W=White	V	NS	T	X	NA	NA	NA	NA
18CAC000232	Male - M	18	W=White	V	NS	T	X	NA	NA	NA	NA
18CAC000232	Male - M	18	W=White	M	NS	W	X	NA	NA	NA	NA

Castleton Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx

- ALLSTATE2020.xlsx

Total records across all datasets: 4,925

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Chittenden County Sheriff's Office

Data found in the following datasets:

- Spillmantrafficreports_2017w.oessex.xlsx
- chittenden_cty_sd_ts_r_20182
- 2019RCMAINforCRG-spillman.xlsx
- 2020 State TS&R All - Final_cleaned.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 9,372

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 3,221
- Same Incident ID, Different Information: 15 records
- 15 Rows contain 6 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18CCSD003117	F	57	W	M	NS	W	X	NA	NA	NA	NA
18CCSD003117	F	35	W	M	NS	T	X	NA	NA	NA	NA
18CCSD001724	M	22	W	M	NS	T	X	NA	NA	NA	NA
18CCSD001724	M	22	W	M	NS	T	X	NA	NA	NA	NA
18CCSD001724	M	38	W	M	NS	T	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 270 records
- 270 Rows contain 118 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address

18CCSD000037	Male - M	34	W=White	V	NS	T	X	NA	NA	NA	NA
18CCSD000037	Male - M	34	W=White	V	NS	T	X	NA	NA	NA	NA
18CCSD000037	Male - M	34	W=White	V	NS	W	X	NA	NA	NA	NA
18CCSD000017	Male - M	41	W=White	M	NS	T	X	NA	NA	NA	NA
18CCSD000017	Male - M	41	W=White	M	NS	W	X	NA	NA	NA	NA

Colchester Police Department

Data found in the following datasets:

- colchester_pd_ts_r_2018
- Colchester
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 10,210

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 2,212
- Same Incident ID, Different Information: 48
- 48 Rows contain 22 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information
    - In some records, no perceived race, stop basis, search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18CC008785	F	19	W	O	NS	W	X	NA	NA	NA	NA
18CC008785	F	54	W	O	NS	W	X	NA	NA	NA	NA
18CC008786	F	22	W	O	NS	W	X	NA	NA	NA	NA
18CC008786	F	26	W	M	NS	W	X	NA	NA	NA	NA
18CC009222	F	27	W	M	NS	T	X	NA	NA	NA	NA
18CC009222	M	64		M	NS	T	X	NA	NA	NA	NA
18CC011234	M	37	W	M	SPC	T	C	NA	NA	NA	NA
18CC011234	M	32	W	M	SPC	T	C	NA	NA	NA	NA
18CC011234	M	32				T		NA	NA	NA	NA
18CC011234	M	32				W		NA	NA	NA	NA

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- Same Incident ID, Multiple outcomes: 1,544 records
- 1544 Rows contain 676 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information
    - In additional rows, no stop basis, search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18CC000025	Male - M	39	W=White	M	NS	W	X	NA	NA	NA	NA
18CC000025	Male - M	39	NA			W		NA	NA	NA	NA
18CC000126	Male - M	25	NA			T		NA	NA	NA	NA
18CC000126	Male - M	25	W=White	M	NS	W	X	NA	NA	NA	NA
18CC000027	Male - M	32	W=White	M	NS	T	X	NA	NA	NA	NA
18CC000027	Male - M	32	NA			W		NA	NA	NA	NA

Department of Motor Vehicles

Data found in the following datasets:

- v2017_vt_dmv_ts_r_data_report
- dmv_ts_r_data_2018
- DMV 2019 Race Data Report
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 21,210

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 13,417
- Same Incident ID, Multiple outcomes: 37
- 37 Rows contain 18 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
19MV000261	Male - M	48	W=White	V	NS	N	X	NA	NA	NA	NA
19MV000261	Male - M	48	W=White	V	NS	N	X	NA	NA	NA	NA
19MV001112	Male - M	22	W=White	M	NS	T	X	NA	NA	NA	NA

19MV001112	Male - M	22	W=White	M	NS	T	X	NA	NA	NA	NA

- Confirm how to differentiate between discretionary vs. externally generated stops (resulting from a vehicle inspection checkpoint)
  - In its source data files, the DMV lists several different Call Types for which "Moving Violation" is the stop basis
    - Careless and Neg Operations
    - DLS
    - DUI
    - Inspection – MCSAP Level 1-6
    - Inspection – School Bus
    - Inspection Size and Weight
    - Inspection – State Level 7
    - Motorist Assist
    - Traffic stop
    - Traffic stop – TACT
  - Confirm that all moving violations that are not classified as an "Inspection" or "Motorist Assist" call type are discretionary stops[11]

Incident Number	Call Type	Perceived Race	Age	Gender	Stop Reason	Search Reason	Stop Outcome	Contraband/Evidence
19MV005923	DLS	W=White	27	Male - M	M = Moving violation	NS = No search	A = Arrest for Violation	X = Not applicable / no search
19MV007029	Motorist Assist	W=White	30	Male - M	M = Moving violation	NS = No search	N = No action taken	X = Not applicable / no search
19MV007528	DUI	B=Black	41	Male - M	D = Susp DUI	SPC = Consent Search w/PC	A = Arrest for Violation	C = Contraband or Evidence of Crime
19MV006660	DUI	W=White	62	Male - M	M = Moving violation	NS = No search	T = Ticket	X = Not applicable / no search
19MV009480	Traffic Stop - TACT	W=White	16	Female - F	M = Moving violation	NS = No search	T = Ticket	X = Not applicable / no search
19MV006957	Traffic Stop	W=White	16	Female - F	M = Moving violation	NS = No search	W = Warning	X = Not applicable / no search

Essex County Sheriff's Office

Data found in the following datasets:

- 2018rcmainminusvsp_essexwithagennam

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[11] The following data are taken directly from the DMV's 2019 source data file but are not listed in this order within the file; the records are listed in this order here for reference to each call type.

- ALLSTATE2020.xlsx

Total records across all datasets: 1,257

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Essex Police Department

Data found in the following datasets:

- essex_pd_ts_r_data_2018
- RCMAINEssexPD2019
- Copy of 2020 - EPD Traffic Stop Report - Final_
- ALLSTATE2020.xlsx

Total records across all datasets: 15,692

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Fairlee Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 178

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Franklin County Sheriff's Office

Data found in the following datasets:

- v2017_franklin_cty_sd_race_data
- Spillmantrafficreports_2017w.oessex.xlsx
- franklin_sd_ts_r_2018

- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 7,346

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 3,933
- Same Incident ID, Different Information: 136
- 136 Rows contain 36 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop location information
    - Varying stop dates/times for the same incident ID
    - In some records, no perceived race, stop basis, search basis, ticket outcome, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18FRC000176	M	19	W	M	NS	T	X	1/14/18	1/14/18 12:44 AM	NA	NA
18FRC000176	M	18	W	M	NS	T	X	2/2/18	2/2/18 10:54 AM	NA	NA
18FRC000176	M	19						2/2/18	2/2/18 10:45 AM	NA	NA
18FRC000283	M	33	W	I	NS	W	X	1/22/18	1/22/18 5:27 AM	NA	NA
18FRC000283	M	31	W	M	NS	T	X	2/2/18	2/2/18 11:33 AM	NA	NA
18FRC001889	M	17	W	M	NS	T	X	5/14/2018	5/14/18 5:41 AM	NA	NA
18FRC001889	M	34	W	E	NS	W	X	6/6/2018	6/6/18 9:48 AM	NA	NA
18FRC001889	M	34						6/6/2018	6/6/18 9:49 AM	NA	NA

- Same Incident ID, Multiple outcomes: 112
- 112 Rows contain 43 incident numbers
  - Confirm the same stops with multiple outcomes (stop dates and times vary, or some incident IDs share the same stop date and time, but have different data)
    - No stop location information
    - In additional rows, perceive race listed as "NA"
    - In additional rows, no stop basis, search basis, ticket outcome, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18FRC000008	Female - F	18	NA					1/30/2018	1/30/2018 11:08	NA	NA
18FRC000008	Female - F	18	W=White	V	NS	W	X	1/1/2018	1/1/2018 19:02	NA	NA

18FRC000041	Male - M	27	NA					1/30/2018	1/30/2018 13:03	NA	NA
18FRC000041	Male - M	27	W=White	V	NS	T	X	1/4/2018	1/4/2018 1:09	NA	NA
18FRC000088	Female - F	20	NA					1/30/2018	1/30/2018 13:16	NA	NA
18FRC000088	Female - F	20	W=White	M	NS	T	X	1/7/2018	1/7/2018 22:36	NA	NA

Grand Isle County Sheriff's Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 10,744

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Hardwick Police Department

Data found in the following datasets:

- v2017_hardwick_pd_race_data
- hardwick_pd_ts_r_data_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 2,123

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 344
- Same Incident ID, Different Information: 53
- 58 Rows contain 12 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information
    - In some records, gender is listed as "NA"
    - In some records, no perceived race, stop basis, search basis, ticket outcome, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17HW000090	M	23	W					NA	NA	NA	NA
17HW000090	F	43	W					NA	NA	NA	NA
17HW000090	F	43	U					NA	NA	NA	NA
17HW000090	NA	61						NA	NA	NA	NA
17HW002701	M	40	W	M	NS	A	X	NA	NA	NA	NA
17HW002701	F	33	W	M	NS	T	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 214
- 214 Rows contain 90 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17HW000007	Female - F	54	NA	M	NS	W	X	NA	NA	NA	NA
17HW000007	Female - F	54	NA	M	NS	W	X	NA	NA	NA	NA
17HW000173	Male - M	31	White - W	M	NS	T	X	NA	NA	NA	NA
17HW000173	Male - M	31	White - W	M	NS	W	X	NA	NA	NA	NA
17HW000173	Male - M	31	White - W	M	NS	W	X	NA	NA	NA	NA

Killington Police Department

Data found in the following datasets:

- killington_pd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 760

- Same Incident ID, Different Information: 222
- 222 Rows contain 29 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - In some records, stop date/time information is the same for records with different locations
    - In some records, stop date/time are the same for up to 16 demographic data combos (18KP000501)

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18KP000501	M	22	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Washington St / First St, Fair Haven, VT, 05743
18KP000501	M	18	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	VT Rt 22a / US Rt 4, Fair Haven, VT, 05743
18KP000501	M	63	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	VT Rt 22a / US Rt 4, Fair Haven, VT, 05743
18KP000501	M	47	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	VT Rt 22a / US Rt 4, Fair Haven, VT, 05743
18KP000501	F	55	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	VT Rt 22a / US Rt 4, Fair Haven, VT, 05743
18KP000501	F	31	B	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	VT Rt 22a / US Rt 4, Fair Haven, VT, 05743
18KP000501	M	50	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	VT Rt 22a / US Rt 4, Fair Haven, VT, 05743
18KP000501	M	48	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	VT Rt 22a / US Rt 4, Fair Haven, VT, 05743
18KP000501	F	83	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Rte 30 / Trakk Inn, Castleton, VT, 05732
18KP000501	M	38	B	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Rte 30 / Trakk Inn, Castleton, VT, 05732
18KP000501	F	62	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Rte 30 / Trakk Inn, Castleton, VT, 05732
18KP000501	M	54	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Rte 30 / Trakk Inn, Castleton, VT, 05732
18KP000501	M	54	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Rte 30 / Trakk Inn, Castleton, VT, 05732
18KP000501	F	50	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Rte 30 / Trakk Inn, Castleton, VT, 05732
18KP000501	M	51	W	M	NS	T	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Rte 30 / Trakk Inn, Castleton, VT, 05732
18KP000501	F	59	W	M	NS	W	X	5/21/2018	5/21/18 12:00 PM	Killington Police Department	Washington St / First St, Fair Haven, VT, 05743

- Same Incident ID, Multiple outcomes: 12
- 12 Rows contain 6 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18KP000005	Male - M	61	W=White	M	NS	T	X	1/1/2018	1/1/2018 1:41	Killington Police Department	West Hill Rd / US Rt 4, Killington, VT, 05751

18KP00000 5	Male - M	61	W=White	M	NS	W	X	1/1/2018	1/1/2018 1:41	Killington Police Department	West Hill Rd / US Rt 4, Killington, VT, 05751
18KP00000 6	Male - M	52	W=White	M	NS	T	X	1/1/2018	1/1/2018 2:01	Killington Police Department	West Hill Rd / US Rt 4, Killington, VT, 05751
18KP00000 6	Male - M	52	W=White	M	NS	T	X	1/1/2018	1/1/2018 2:01	Killington Police Department	West Hill Rd / US Rt 4, Killington, VT, 05751

Lamoille County Sheriff's Department

Data found in the following datasets:

- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 4,093

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 884
- Same Incident ID, Different Information: 10
- 10 Rows contain 3 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18LC000234	M	24	W	V	NS	T	X	NA	NA	NA	NA
18LC000234	F	21	W	V	NS	W	X	NA	NA	NA	NA
18LC004364	M	21	W	M	NS	T	X	NA	NA	NA	NA
18LC004364	M	21	W	M	NS	T	X	NA	NA	NA	NA
18LC004364	M	21	W	M	NS	T	X	NA	NA	NA	NA
18LC004364	M	21	W	M	NS	T	X	NA	NA	NA	NA
18LC004364	M	19	W	M	NS	T	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 233
- 233 Rows contain 107 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address

18LC000054	Male - M	25	W=White	M	NS	T	X	NA	NA	NA	NA
18LC000054	Male - M	25	W=White	M	NS	W	X	NA	NA	NA	NA
18LC000241	Male - M	25	B=Black	M	NS	T	X	NA	NA	NA	NA
18LC000241	Male - M	25	B=Black	V	NS	W	X	NA	NA	NA	NA

Ludlow Police Department

Data found in the following datasets:

- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 1,397

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 725

Lyndonville Police Department

Data found in the following datasets:

- lyndonville_pd_ts_r_2018_
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 1,038

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 277
- Same Incident ID, Different Information: 2
- 2 Rows contain 1 incident number
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18LV000606	M	17	W	M	NS	W	X	NA	NA	NA	NA
18LV000606	F	16	W	M	NS	W	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 81
- 81 Rows contain 37 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18LV000741	Male - M	31	W=White	M	NS	T	X	NA	NA	NA	NA
18LV000741	Male - M	31	W=White	M	NS	W	X	NA	NA	NA	NA
18LV000071	Female - F	20	W=White	O	NS	T	X	NA	NA	NA	NA
18LV000071	Female - F	20	W=White	O	NS	W	X	NA	NA	NA	NA

Manchester Police Department

Data found in the following datasets:

- manchester_pd_ts_r_2018_
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 3,048

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 867
- Same Incident ID, Different Information: 2
- 2 Rows contain 1 incident number
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18MC001277	M	18	W	O	NS	W	X	NA	NA	NA	NA
18MC001277	F	18	W	O	NS	W	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 64
- 64 Rows contain 30 incident numbers

- Confirm the same stops with multiple outcomes
  - No stop date/time or location information
  - In some records, no perceived race, stop reason, search reason, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18MC002797	Male - M	25	W=White	M	SPC	T	X	NA	NA	NA	NA
18MC002797	Male - M	25	W=White			T		NA	NA	NA	NA
18MC002797	Male - M	25	W=White			T		NA	NA	NA	NA
18MC002797	Male - M	25	W=White			T		NA	NA	NA	NA
18MC000325	Male - M	19	W=White	M	SPC	T	C	NA	NA	NA	NA
18MC000325	Male - M	19	W=White	M	SPC	T	C	NA	NA	NA	NA

Middlebury Police Department

Data found in the following datasets:

- v16-17_middlebury_pd_race_data
- middlebury_pd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 3,548

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,007
- Same Incident ID, Multiple outcomes: 6
- 6 Rows contain 3 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18MB000107	Male - M	23	W=White	V	SPC	W	C	NA	NA	NA	NA
18MB000107	Male - M	23	W=White	V	SPC	W	C	NA	NA	NA	NA
18MB000983	Male - M	42	W=White	V	NS	T	X	NA	NA	NA	NA
18MB000983	Male - M	42	W=White	V	NS	T	X	NA	NA	NA	NA
18MB003480	Male - M	23	W=White	M	NS	W	X	NA	NA	NA	NA

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18MB003480	Male - M	23	W=White	V	NS	W	X	NA	NA	NA	NA

Middlesex VSP Barracks

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- vermont_state_police_ts_r_2018
- 2019 VSP Race Data.xlsx
- VSP2020Data.xlsx

Total records across all datasets: 21,706

- Same Incident ID, Multiple outcomes: 22
- 22 Rows contain 11 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
419143	M	43	W	M	NS	W	X	3/23/2016	3/23/2016 17:15	SPA3	UNION ST & CROSS ST
419143	M	43	W	V	NS	W	X	3/23/2016	3/23/2016 17:15	SPA3	UNION ST & CROSS ST
426683	M	25	B	M	SPC	A	C	4/12/2016	4/12/2016 23:30	SPA3	Route 100 & Cabot Annex
426683	M	25	B	M	SPC	T	C	4/12/2016	4/12/2016 23:30	SPA3	Route 100 & Cabot Annex

Milton Police Department

Data found in the following datasets:

- v16-17_milton_pd_race_data
- milton_pd_ts_r_2018_
- 2019 Milton Race Data.xlsx
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 16,924

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 2,102
- Same Incident ID, Different Information: 97
- 97 Rows contain 35 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information
    - In some records, no stop basis, search basis, ticket outcome, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17MT000447	F	31	W					NA	NA	NA	NA
17MT000447	M	36	W					NA	NA	NA	NA
17MT000447	M	30	W					NA	NA	NA	NA
17MT001740	M	22	W	M	NS	T	X	NA	NA	NA	NA
17MT001740	F	20	W	M	NS	A	X	NA	NA	NA	NA
17MT001740	F	20	W					NA	NA	NA	NA
17MT001740	F	20	W					NA	NA	NA	NA
17MT001740	F	20	W					NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 214
- 214 Rows contain 88 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information
    - In some records, no search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17MT000004	Male - M	19	White - W	M		A		NA	NA	NA	NA
17MT000004	Male - M	19	White - W	M	SPC	T	C	NA	NA	NA	NA
17MT000004	Male - M	19	White - W	M		T		NA	NA	NA	NA
17MT000004	Male - M	19	White - W	M		T		NA	NA	NA	NA
17MT000004	Male - M	19	White - W	M		T		NA	NA	NA	NA
17MT000060	Female - F	20	White - W	M	NS	T	X	NA	NA	NA	NA
17MT000060	Female - F	20	White - W			W		NA	NA	NA	NA

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Montpelier Police Department

Data found in the following datasets:

- montpelier_pd_ts_r_data_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 5,704

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,092
- Same Incident ID, Different Information: 21
- 21 Rows contain 7 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/Evidence	Stop Date	Stop Time	Agency	Stop Address
18MP005071	F	16	W	E	NS	T	X	NA	NA	NA	NA
18MP005071	F	17	W	E	NS	T	X	NA	NA	NA	NA
18MP006262	M	21	B	E	NS	W	X	NA	NA	NA	NA
18MP006262	M	22	W	E	NS	W	X	NA	NA	NA	NA
18MP007212	M	24	W	M	NS	T	X	NA	NA	NA	NA
18MP007212	F	21	A/P	M	NS	W	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 727
- 727 Rows contain 307 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information
    - In additional rows, perceived race listed as "NA"
    - In additional rows, no stop basis, search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18MP000182	Female - F	28	W=White	M	SRS	T	NC	NA	NA	NA	NA
18MP000182	Female - F	28	NA			W		NA	NA	NA	Nat m

| 18MP000127 | Male - M | 26 | W=White | M | NS | W | X | NA | NA | NA | NA |
| 18MP000127 | Male - M | 26 | NA | | | W | | NA | NA | NA | NA |

Morristown Police Department

Data found in the following datasets:

- v2017_morristown_pd_race_data
- morristown_pd_ts_r_2018
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 3,497

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 865
- Same Incident ID, Different Information: 29
- 29 Rows contain 8 incident numbers
    - o Confirm separate stops or the same stop with multiple individuals
        - ▪ No stop date/time or location information
        - ▪ In some records, no perceived race, stop basis, search basis, or search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17MR001065	M	19	W	I	NS	T	C	NA	NA	NA	NA
17MR001065	F	18	W	I	SPC	T	C	NA	NA	NA	NA
17MR001065	F	18				T		NA	NA	NA	NA
17MR001518	F	35	W	V	NS	W	X	NA	NA	NA	NA
17MR001518	M	18	W	V	NS	W	X	NA	NA	NA	NA
17MR001518	M	54	W	V	NS	T	X	NA	NA	NA	NA
17MR001518	M	54	W	V	NS	W	X	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 133
- 133 Rows contain 64 incident numbers
    - o Confirm the same stops with multiple outcomes
        - ▪ No stop date/time or location information
        - ▪ In additional rows, perceived race listed as "NA"
        - ▪ In additional rows, no stop basis, search basis, search outcome information

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Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17MR000002	Male - M	26	W=White	M	NS	T	X	NA	NA	NA	NA
17MR000002	Male - M	26	NA			T		NA	NA	NA	NA
17MR000097	Male - M	54	NA			T		NA	NA	NA	NA
17MR000097	Male - M	54	W=White	M	NS	W	X	NA	NA	NA	NA
17MR000094	Male - M	46	NA			T		NA	NA	NA	NA
17MR000094	Male - M	46	W=White	V	NS	W	X	NA	NA	NA	NA

Newport Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- v2017_newport_pd_race_data
- Spillmantrafficreports_2017w.oessex.xlsx
- newport_pd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 4,766

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 700
- Same Incident ID, Different Information: 49
- 49 Rows contain 15 incident numbers
  - o Confirm separate stops or the same stop with multiple individuals
    - ▪ No stop date/time or location information
    - ▪ In some records, no stop basis, search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17NP000390	F	21	W	M	NS	T	C	NA	NA	NA	NA
17NP000390	M	26	W	M	NS	T	C	NA	NA	NA	NA
17NP000390	M	21	W	M	NS	W	X	NA	NA	NA	NA
17NP000726	M	32	W					NA	NA	NA	NA
17NP000726	F	23	W					NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 529

- 529 Rows contain 209 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information
    - In some records, no stop basis, search basis, search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17NP000020	Female - F	43	W=White	V	NS	T	X	NA	NA	NA	NA
17NP000020	Female - F	43	NA	V	NS	W	X	NA	NA	NA	NA
17NP000026	Male - M	17	W=White	M	NS	T	C	NA	NA	NA	NA
17NP000026	Male - M	17	NA			T		NA	NA	NA	NA
17NP000026	Male - M	17	NA			T		NA	NA	NA	NA
17NP000026	Male - M	17	NA			W		NA	NA	NA	NA

Northfield Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- northfield_pd_2017
- northfield_pd_ts_r_data_2018
- 2018rcmainminusvsp_essexwithagennam
- ALLSTATE2020.xlsx

Total records across all datasets: 1,555

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 418

Norwich Police Department

Data found in the following datasets:

- 2017_norwich_pd_ts_r
- norwich_pd_ts_r_2018_
- 2019 Tickets and Warnings for State (hartford,norwich,Windsor).xlsx
- 2020 TS Race Data Hartford, Windsor, Norwich.xlsx

Total records across all datasets: 4,337

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- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Same Incident ID, Multiple outcomes: 95
- 95 Rows contain 45 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
39663	F	32	H	M	NS	T		4/11/2019	4/11/2019 8:37	1411	VT RT 10A
39663	F	32	H	M	NS	W		4/11/2019	4/11/2019 8:37	1411	VT RT 10A
40237	M	35	W	M	NS	T		5/2/2019	5/2/2019 6:57	1411	MAIN ST
40237	M	35	W	M	NS	W		5/2/2019	5/2/2019 6:57	1411	MAIN ST

Orange County Sheriff's Office

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- orange_county_sd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 4,696

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 933
- Same Incident ID, Different Information: 7
- 7 Rows contain 3 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18ORC000894	M	22	W	M	NS	T	X	NA	NA	NA	NA
18ORC000894	M	23	W	M	NS	T	X	NA	NA	NA	NA
18ORC002040	M	19	W	O	SPC	T	C	NA	NA	NA	NA
18ORC002040	M	20	W	O	SPC	A	C	NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 13
- 13 Rows contain 5 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18ORC001572	Male - M	23	W=White	M	NS	W	X	NA	NA	NA	NA
18ORC001572	Male - M	23	W=White	M	NS	W	X	NA	NA	NA	NA
18ORC001572	Male - M	23	W=White	M	NS	W	X	NA	NA	NA	NA
18ORC001806	Male - M	49	W=White	M	NS	W	X	NA	NA	NA	NA
18ORC001806	Male - M	49	W=White	M	NS	W	X	NA	NA	NA	NA
18ORC001806	Male - M	49	W=White	M	NS	W	X	NA	NA	NA	NA

Orleans County Sheriff's Office

Data found in the following datasets:

- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- ALLSTATE2020.xlsx

Total records across all datasets: 2,686

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Pittsford Police Department

Data found in the following datasets:

- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- pittsford_pd_ts_r_2018_
- 2016_spillman_tsrd.xlsx

Total records across all datasets: 838

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 220

- Same Incident ID, Multiple outcomes: 16
- 16 Rows contain 8 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18PD000252	F	50	W	M	NS	T	X	NA	NA	NA	NA
18PD000252	F	50	W	M	NS	T	X	NA	NA	NA	NA
18PD000412	M	49	W	M	NS	T	X	NA	NA	NA	NA
18PD000412	M	49	W	M	NS	W	X	NA	NA	NA	NA

Randolph Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam

Total records across all datasets: 980

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Rutland County Sheriff's Office

Data found in the following datasets:

- rutland_sd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 11,905

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 7076

Shelburne Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 4,827

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Same Incident ID, Multiple outcomes: 18
- 18 Rows contain 9 incident numbers
  - Confirm the same stops with multiple outcomes
    - Age listed as "NA"

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
453288	M	NA	W	M	SRS	A	NC	8/6/2016	8/6/2016 1:45	413	EXECUTIVE DR & SHELBURNE RD
453288	M	NA	W	M	SRS	T	NC	8/6/2016	8/6/2016 1:45	413	EXECUTIVE DR & SHELBURNE RD
453290	M	NA	W	M	SRS	A	X	8/6/2016	8/6/2016 1:45	413	SHELBURNE RD & MCINTOSH AVE
453290	M	NA	W	M	SRS	T	X	8/6/2016	8/6/2016 1:45	413	SHELBURNE RD & MCINTOSH AVE

South Burlington Police Department

Data found in the following datasets:

- south_burlington_pd_ts_r_data_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 6,669

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,390
- Same Incident ID, Different Information: 65
- 65 Rows contain 18 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - In some records, no perceived race, stop reason, search information, or outcome information

- In some records, individuals listed as "0" years old

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18SB000457	M	16						NA	NA	NA	NA
18SB000457	M	15						NA	NA	NA	NA
18SB000491	F	37						NA	NA	NA	NA
18SB000491	M	32						NA	NA	NA	NA
18SB000605	M	20	W	M	SPC	T	C	NA	NA	NA	NA
18SB000605	M	20						NA	NA	NA	NA
18SB000605	M	19						NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 106
- 106 Rows contain 50 incident numbers
  - Confirm the same stops with multiple outcomes
    - In some records, no stop basis or outcome information (18SB001456)

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18SB001746	Male - M	25	W=White	M	SW	T	C	NA	NA	NA	NA
18SB001746	Male - M	25	W=White	M	NS	W	X	NA	NA	NA	NA
18SB001814	Male - M	23	W=White	V	NS	T	X	NA	NA	NA	NA
18SB001814	Male - M	23	W=White	M	NS	W	X	NA	NA	NA	NA
18SB001456	Female - F	50	NA					NA	NA	NA	NA
18SB001456	Female - F	50	NA					NA	NA	NA	NA
18SB001456	Female - F	50	W=White	V	NS	T	X	NA	NA	NA	NA
18SB001456	Female - F	50	W=White	V	NS	T	X	NA	NA	NA	NA

Springfield Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- v2017_springfield_race_data
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam

- springfield_ts_r_data_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 13,541

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 3,211
- Same Incident ID, Different Information: 26
- 26 Rows contain 8 incident numbers
  - Confirm separate stops or the same stop with multiple individuals
    - Multiple stop dates and times, some with same stop date/varying times – by minutes (17SF001516) or several hours (3195783)
    - Stop location is the same for each incident number

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
3195793	M	49		M	NS	T	X	1/27/2018	1/27/18 6:48 AM	NA	NA
3195793	M	49		M	NS	T	X	1/27/2018	1/27/18 3:32 PM	NA	NA
17SF001516	M	18	W	E	NS	T	X	2/24/2017	2/24/17 4:34 PM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	16	W	E	NS	T	X	2/27/2017	2/27/17 10:11 PM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	22	W	E	NS	T	X	3/13/2017	3/13/17 11:59 AM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	19	W	M		T		2/28/2017	2/28/17 10:07 AM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	18						2/28/2017	2/28/17 9:53 AM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	16						2/28/2017	2/28/17 9:56 AM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	16						2/28/2017	2/28/17 9:59 AM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	16						2/28/2017	2/28/17 9:59 AM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	22						5/14/2017	5/14/17 4:36 PM	NA	300 South St, Springfield, VT, 05156
17SF001516	M	19						5/14/2017	5/14/17 4:38 PM	NA	300 South St, Springfield, VT, 05156

- Same Incident ID, Multiple outcomes: 97

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- 97 Rows contain 45 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
403934	F	33	W	V	NS	T	X	2/26/2016	2/26/2016 8:56	1418	3 CHARLESTOWN RD
403934	F	33	W	V	NS	W	X	2/26/2016	2/26/2016 8:56	1418	3 CHARLESTOWN RD
17SF004049	Male - M	20	W=White	V	NS	T	X	5/24/2017	5/24/2017 11:36	NA	57 River St, Springfield, VT, 05156
17SF004049	Male - M	20	W=White	V	NS	W	X	5/30/2017	5/30/2017 11:57	NA	57 River St, Springfield, VT, 05156

St. Albans Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- st._albans_pd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 10,512

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 2,768
- Same Incident ID, Different Information: 1,249
- 1,249 Rows contain 570 incident numbers
  - Confirm separate stops or same stop with multiple individuals
    - Records contain a male, female, or unknown version of the same record
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18SA000011	F	NA	W	V	NS	T	X	NA	NA	NA	NA
18SA000011	M	NA	W	V	NS	T	X	NA	NA	NA	NA
18SA000039	M	NA	W	V	SPC	W	C	NA	NA	NA	NA
18SA000039	F	NA	W	V	SPC	W	C	NA	NA	NA	NA
18SA000058	M	NA	W	V	NS	T	X	NA	NA	NA	NA

| 18SA000058 | F | NA | W | V | NS | T | X | NA | NA | NA | NA |

- Same Incident ID, Multiple outcomes: 45
- 45 Rows contain 22 incident numbers
  - Confirm the same stops with multiple outcomes
    - No age (listed as "NA")
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18SA000263	Male - M	NA	White - W	M	NS	T	X	NA	NA	NA	NA
18SA000263	Male - M	NA	White - W	M	NS	W	X	NA	NA	NA	NA
18SA000526	Male - M	NA	White - W	E	NS	T	X	NA	NA	NA	NA
18SA000526	Male - M	NA	White - W	E	NS	W	X	NA	NA	NA	NA

St. Johnsbury Police Department

Data found in the following datasets:

- v2017_st johnsbury_race_data
- Spillmantrafficreports_2017w.oessex.xlsx
- st._johnsbury_pd_ts_r_2018
- 2018rcmainminusvsp_essexwithagennam
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 6,142

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,037
- Same Incident ID, Different Information: 70
- 70 Rows contain 25 incident numbers
  - Confirm separate stops or same stop with multiple individuals
    - In some records, no perceived race, stop reason, search information, or outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17SJ000001	M	17	W					NA	NA	NA	NA

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17SJ000001	M	17	W					NA	NA	NA	NA
17SJ000001	M	17	W					NA	NA	NA	NA
17SJ000001	M	16	H					NA	NA	NA	NA
17SJ000240	F	19	W	I	NS	T	X	NA	NA	NA	NA
17SJ000240	M	20	W	I	NS	T	X	NA	NA	NA	NA
17SJ000240	M	20						NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 14
- 14 Rows contain 7 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17SJ005287	Female - F	34	W=White	I	NS	T	X	NA	NA	NA	NA
17SJ005287	Female - F	34	W=White	I	NS	T	X	NA	NA	NA	NA
18SJ005292	Female - F	23	W=White	V	NS	T	X	NA	NA	NA	NA
18SJ005292	Female - F	23	W=White	V	NS	W	NC	NA	NA	NA	NA

Stowe Police Department

Data found in the following datasets:

- stowe_pd_ts_r_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 4,579

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,563
- Same Incident ID, Different Information: 23
- 23 Rows contain 8 incident numbers
  - Confirm separate stops or same stop with multiple individuals
    - No stop date/time or location information
    - In some records, no perceived race, stop reason, search information, or outcome information

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Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18ST000622	M	34	W	M	NS	W	X	NA	NA	NA	NA
18ST000622	M	1930	W	M	NS	W	X	NA	NA	NA	NA
18ST000639	M	14	U	V	NS	T	X	NA	NA	NA	NA
18ST000639	F	42	W	V	NS	T	X	NA	NA	NA	NA
18ST000639	M	14	U					NA	NA	NA	NA
18ST000639	M	14	U					NA	NA	NA	NA

- Same Incident ID, Multiple outcomes: 47
- 47 Rows contain 21 incident numbers
  - Confirm the same stops with multiple outcomes
    - No stop date/time or location information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18ST000382	Female - F	21	White - W	M	NS	T	X	NA	NA	NA	NA
18ST000382	Female - F	21	White - W	M	NS	W	X	NA	NA	NA	NA
18ST001376	Male - M	23	White - W	V	NS	T	X	NA	NA	NA	NA
18ST001376	Male - M	23	White - W	V	NS	W	X	NA	NA	NA	NA

Swanton Police Department

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- ALLSTATE2020.xlsx

Total records across all datasets: 2,824

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Same Incident ID, Multiple outcomes: 4
- 4 Rows contain 2 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
470920	M	19	W	M	NS	A	X	10/12/2016	10/12/2016 22:07	615	First Street
470920	M	19	W	M	NS	T	X	10/12/2016	10/12/2016 22:07	615	First Street

| 470960 | M | 19 | W | M | NS | A | X | 10/12/2016 | 10/12/2016 22:07 | 615 | First Street |
| 470960 | M | 19 | W | M | NS | T | X | 10/12/2016 | 10/12/2016 22:07 | 615 | First Street |

Thetford Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 1,150

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

University of Vermont Police Department

Data found in the following datasets:

- uvmpolice_traffic_data_--_2016-full-calendar-year(1)
- UVM_Traffic_Data
- uvm_ts_r_data_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 12,219

- Records without incident numbers or with NPF-assigned numbers: 330
- Same Incident ID, Different Information: 45
- 45 Rows contain 9 incident numbers
  - Confirm separate stops or same stop with multiple individuals

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17UV000546	F	19	W	M	NS	T	X	1/22/2017	1/22/17 2:04 AM	NA	University Hgts, Burlington, 05405
17UV000546	M	23	W	M	NS	T	X	1/22/2017	1/22/17 2:04 AM	NA	University Hgts, Burlington, 05405
17UV000546	M	23	W	M	NS	T	X	1/22/2017	1/22/17 2:04 AM	NA	University Hgts, Burlington, 05405
17UV007692	M	36	W	V	NS	T	X	9/25/2017	9/25/17 1:01 AM	NA	Riverside Ave / Colchester Ave, Burlington, VT, 05401
17UV007692	F	39	W	V	NS	T	X	9/25/2017	9/25/17 1:01 AM	NA	Riverside Ave / Colchester Ave, Burlington, VT, 05401

- Same Incident ID, Multiple outcomes: 2,463
- 2463 Rows contain 736 incident numbers
  - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17UV000439	Male - M	33	W=White	V	NS	T	X	1/19/2017	1/19/2017 0:08	NA	Williston Rd / Hayden Pkwy, South Burlington, VT, 05403
17UV000439	Male - M	33	W=White	V	NS	W	X	1/19/2017	1/19/2017 0:08	NA	Williston Rd / Hayden Pkwy, South Burlington, VT, 05403
17UV000395	Female - F	24	W=White	V	NS	T	X	1/17/2017	1/17/2017 12:52	NA	East Ave / University Rd, Burlington, VT, 05401
17UV000395	Female - F	24	W=White	V	NS	W	X	1/17/2017	1/17/2017 12:52	NA	East Ave / University Rd, Burlington, VT, 05401

Vergennes Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 10,138

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

Washington County Sheriff's Department

Data found in the following datasets:

- v16-17_washingtonctysd_race_data
- washington_county_sd_ts_r_2018_
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 7,573

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 1,340
- Same Incident ID, Different Information: 19
- 19 Rows contain 6 incident numbers
  - Confirm separate stops or same stop with multiple individuals
    - No stop location information
    - In some records, no perceived race, stop basis, search basis, ticket outcome and search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17WCS001160	M	52.26802	W	M	SPC	A		6/24/2017	6/24/17 11:40 AM	NA	NA
17WCS001160	M	20.52744	W	M	SPC	A		6/24/2017	6/24/17 11:40 AM	NA	NA
17WCS001225	NA	NA						7/6/2017	7/6/17 2:05 PM	NA	NA
17WCS001225	M	18.75355	W					7/6/2017	7/6/17 2:05 PM	NA	NA
17WCS001225	NA	NA						7/6/2017	7/6/17 2:05 PM	NA	NA
17WCS001225	M	18.36203	W					7/6/2017	7/6/17 2:05 PM	NA	NA

- Same Incident ID, Multiple outcomes: 12
- 12 Rows contain 5 incident numbers
  - Confirm separate stops or same stop with multiple individuals
    - No stop location information
    - In some records, no stop basis, search basis, ticket outcome and search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
16WCS002196	M	51.11256	White - W					12/28/2016	12/28/2016 11:06	NA	NA

16WCS002196	M	51.11256	White - W	M	NS	T		12/28/2016	12/28/2016 11:06	NA	NA
16WCS002196	M	51.11256	White - W			T		12/28/2016	12/28/2016 11:06	NA	NA
16WCS002196	M	51.11256	White - W			T		12/28/2016	12/28/2016 11:06	NA	NA
17WCS000043	M	22.34241	White - W	M	NS	N		1/9/2017	1/9/2017 9:24	NA	NA
17WCS000043	M	22.34241	White - W	M	NS	W		1/9/2017	1/9/2017 9:24	NA	NA

Westminster VSP Barracks

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- vermont_state_police_ts_r_2018
- 2019 VSP Race Data.xlsx
- VSP2020Data.xlsx

Total records across all datasets: 33,351

- Same Incident ID, Multiple information: 2
- 2 Rows contain 1 incident numbers
    - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
472870	M	34	B	M	NS	A	X	10/19/2016	10/19/2016 14:57	SPB1	91n
472870	M	34	B	M	NS	T	X	10/19/2016	10/19/2016 14:57	SPB1	91n

Williston Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Copy of v16-17_williston_pd_ts_r_data
- Spillmantrafficreports_2017w.oessex.xlsx
- williston_pd_ts_r_2018_
- 2018rcmainminusvsp_essexwithagennam
- ALLSTATE2020.xlsx

Total records across all datasets: 18,302

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 8,126
- Same Incident ID, Different Information: 13
- 13 Rows contain 4 incident numbers
  - Confirm separate stops or same stop with multiple individuals
    - Gender and age (listed as "NA")
    - In some records, no perceived race, stop basis, search basis, ticket outcome and search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
17WT000946	NA	48.05114		V	NS	W	X	2/22/2017	2/22/17 7:19 AM	NA	N Williston Rd / Mountain View Rd
17WT000946	NA	27.58527		V	NS	W	X	2/22/2017	2/22/17 7:19 AM	NA	N Williston Rd / Mountain View Rd
17WT002007	F	18.39099	W	V	SPC	A	C	4/15/2017	4/15/17 4:01 AM	NA	Main St / Beaumont Ave
17WT002007	NA	NA		V	SPC	A	C	4/15/2017	4/15/17 4:01 AM	NA	Main St / Beaumont Ave
17WT002007	M	19.84482	W					4/15/2017	4/15/17 4:01 AM	NA	Main St / Beaumont Ave
17WT002007	NA	NA						4/15/2017	4/15/17 4:01 AM	NA	Main St / Beaumont Ave
17WT002007	NA	NA						4/15/2017	4/15/17 4:01 AM	NA	Main St / Beaumont Ave
17WT002007	NA	NA						4/15/2017	4/15/17 4:01 AM	NA	Main St / Beaumont Ave

- Same Incident ID, Multiple outcomes: 487
- 487 Rows contain 201 incident numbers
  - Confirm the same stops with multiple outcomes
    - Gender, age, and race (all three listed as "NA")
    - In some records, no stop basis, search basis, ticket outcome and search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
16WT005124	M	29.50412	White - W	M	NS	W	X	10/8/2016	10/8/2016 3:36	NA	I 89 NB / MM 87
16WT005124	M	29.50412	White - W	M	NS	W	X	10/8/2016	10/8/2016 3:36	NA	I 89 NB / MM 87
16WT005126	M	57.15166	Asian - A	M	NS	W	X	10/8/2016	10/8/2016 4:35	NA	I 89 SB / Exit 13
16WT005126	M	57.15166	Asian - A	M	NS	W	X	10/8/2016	10/8/2016 4:35	NA	I 89 SB / Exit 13
16WT005463	M	22.10155	White - W	M	NS	T	X	10/29/2016	10/29/2016 10:03	NA	Omega Dr/ S Brownell Rd
16WT005463	M	22.10155	White - W	M	NS	W	X	10/29/2016	10/29/2016 10:03	NA	Omega Dr/ S Brownell Rd

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Williston VSP Barracks

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- vermont_state_police_ts_r_2018
- 2019 VSP Race Data.xlsx
- VSP2020Data.xlsx

Total records across all datasets: 31,032

- Same Incident ID, Multiple outcomes: 8
- 8 Rows contain 4 incident numbers
    - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
414335	F	16	W	M	NS	W	X	2/8/2016	2/8/2016 15:44	SPA1	Main Rd & Library
414335	F	16	W	V	NS	W	X	2/8/2016	2/8/2016 15:44	SPA1	Main Rd & Library
416016	F	29	W	M	SPC	W	NC	2/21/2016	2/21/2016 15:41	SPA1	ROUTE 15 & ROUTE 108
416016	F	29	W	M	NS	W	NC	2/21/2016	2/21/2016 15:41	SPA1	ROUTE 15 & ROUTE 108

Wilmington Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 5,522

- Same Incident ID, Multiple outcomes: 10
- 10 Rows contain 4 incident numbers
    - Confirm the same stops with multiple outcomes

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
476701	M	60	W	M	NS	A	X	11/5/2016	11/5/2016 21:25	1322	VT Route 100 North
476701	M	60	W	M	NS	T	X	11/5/2016	11/5/2016 21:25	1322	VT Route 100 North
481757	F	33	W	M	NS	A	X	11/27/2016	11/27/2016 3:27	1322	VT Route 100 North
481757	F	33	W	E	NS	A	X	11/27/2016	11/27/2016 3:27	1322	VT Route 100 North
481757	F	33	W	M	NS	T	X	11/27/2016	11/27/2016 3:27	1322	VT Route 100 North
481757	F	33	W	E	NS	T	X	11/27/2016	11/27/2016 3:27	1322	VT Route 100 North

Windham County Sheriff's Office

Data found in the following datasets:

- windham_cty_sd_ts_r_2018
- 2018rcmainminusvsp_essexwithagennam
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 7,246

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 4,371

Windsor County Sheriff's Department

Data found in the following datasets:

- windsor_county_sd_ts_r_2017_
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- WINDSOR COUNTY SD UPDATED 2019 DEMOGRAPHICS
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 36,551

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Follow-up required for records without incident numbers or with NPF-assigned numbers: 6,602

Winhall Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- winhall_pd_ts_r_data_2018
- ALLSTATE2020.xlsx

Total records across all datasets: 1,949

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)
- Same Incident ID, Different Information: 15
- 15 Rows contain 3 incident numbers
  - Confirm separate stops or same stop with multiple individuals
    - In some records, gender and age (listed as "NA") or missing
    - In some records, no perceived race, stop basis, search basis, ticket outcome, and search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18WH000965	M	54.21935	A	M	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	M	18.63748	W	O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA		M	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA		O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA		O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA		O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA		O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	M	18.57724	W	O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA		O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA		O	NS	T	X	5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH000965	NA	NA						5/6/2018	5/6/18 4:38 AM	NA	4 Stoney Hill Rd
18WH002552	M	18.64548	W			T		12/8/2018	12/8/18 2:45 AM	NA	7 11 Parking Lot
18WH002552	M	20.29644	W			T		12/8/2018	12/8/18 2:45 AM	NA	211 Main St (7 11)

- Same Incident ID, Multiple outcomes: 69
- 69 Rows contain 26 incident numbers

- Confirm the same stops with multiple outcomes
  - In some records, no stop basis, search basis, ticket outcome, and search outcome information

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18WH000448	M	36.25164	White - W	M	NS	T	X	2/21/2018	2/21/2018 15:07	NA	Stratton Mountain Access Road
18WH000448	M	36.25164	White - W	M	NS	W	X	2/21/2018	2/21/2018 15:07	NA	Stratton Mountain Access Road
18WH000506	M	36.11046	White - W					2/25/2018	2/25/2018 1:32	NA	route 30 / near norse house
18WH000506	M	36.11046	White - W					2/25/2018	2/25/2018 1:32	NA	route 30 / near norse house
18WH000506	M	36.11046	White - W					2/25/2018	2/25/2018 1:32	NA	route 30 / near norse house
18WH000506	M	36.11046	White - W					2/25/2018	2/25/2018 1:32	NA	route 30 / near norse house
18WH000506	M	36.11046	White - W					2/25/2018	2/25/2018 1:32	NA	route 30 / near norse house

Winooski Police Department

Data found in the following datasets:

- v16-17_winooski_pd_ts_r_data
- winooski_pd_ts_r_data_2018
- 2019 Valcour TS&R All
- 2020 State TS&R All - Final_cleaned.xlsx

Total records across all datasets: 5,335

- Follow-up required for records without incident numbers or with NPF-assigned numbers: 556
- Same Incident ID, Different Information: 7
- 7 Rows contain 3 incident numbers
  - Confirm multiple individuals in same stop
  - Perceived race, stop basis, search basis, ticket outcome and search outcome missing

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18WS003475	M	25	W			W		6/4/2018	6/4/18 10:05 PM	NA	110 W Canal St, Winooski, VT, 05404
18WS003475	M	26	W			W		6/6/2018	6/6/18 1:16 AM	NA	110 W Canal St, Winooski, VT, 05404
18WS006189	M	24	W	V	NS	T	X	10/6/2018	10/6/18 5:13 PM	NA	Lafountain St / Dion St, Winooski, VT, 05404
18WS006189	M	21	W	V	NS	T	X	10/6/2018	10/6/18 5:24 PM	NA	Lafountain St / Dion St, Winooski, VT, 05404

- Same Incident ID, Multiple outcomes: 529
- 529 Rows contain 237 incident numbers
  - Confirm the same stops with multiple outcomes
    - Race data listed as "NA" for the additional rows in the stop
    - In additional rows, stop basis, search basis, ticket outcome and search outcome missing

Incident Number	Gender	Age	Perceived Race	Stop Reason	Search Reason	Stop Outcome	Contraband/ Evidence	Stop Date	Stop Time	Agency	Stop Address
18WS000029	Male - M	27	W=White	M	NS	T	X	1/2/2018	1/2/2018 22:31	NA	Winooski Falls Way / Cascade Way, Winooski, VT, 05404
18WS000029	Male - M	27	NA			W		1/3/2018	1/3/2018 6:07	NA	Winooski Falls Way / Cascade Way, Winooski, VT, 05404
18WS000143	Male - M	42	NA			T		1/10/2018	1/10/2018 0:41	NA	E Allen St / Manseau St, Winooski, VT, 05404
18WS000143	Male - M	42	B=Black	M	NS	W	X	1/9/2018	1/9/2018 22:34	NA	E Allen St / Manseau St, Winooski, VT, 05404

Woodstock Police Department

Data found in the following datasets:

- 2016_spillman_tsrd.xlsx
- Spillmantrafficreports_2017w.oessex.xlsx
- 2018rcmainminusvsp_essexwithagennam
- 2019RCMAINforCRG-spillman.xlsx
- ALLSTATE2020.xlsx

Total records across all datasets: 4,882

- Follow-up required for missing data exceeding 10% of records overall (see Table 3 for problematic variables)

IV. References

Autilio, P., N. Brooks, & Seguino, S. (2020). *Methodology and Variable Definitions for 2020 Vermont Traffic Stop Data Analysis.* University of Vermont and Cornell University: Burlington, VT and Ithaca, NY.

Fridell, L. A. (2004). *By the Numbers: A Guide for Analyzing Race Data from Vehicle Stops.* Police Executive Research Forum.