



Open Data & Open Analytics for Police Transparency

Toronto Police Service
Analytics & Innovation





Agenda

- ❖ Police Transparency
- ❖ Public Safety Data Portal
- ❖ Annual Statistical Report
- ❖ Demonstration
- ❖ Questions



Police Transparency Powered by GIS

Police Transparency

Open Data Releases



**Reported
Crime**



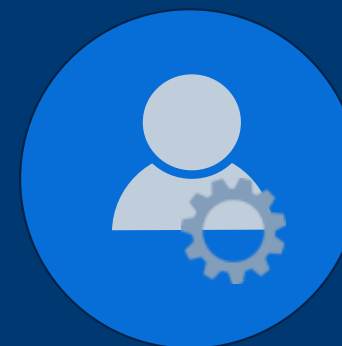
Traffic



**Personnel
& Budget**



**Calls for
Service**



Administrative



Data Literacy



To promote **public engagement** with members of the community, provided **training presentations** on how to use the Portal.



In a virtual environment, created several **video tutorials** to enhance **user literacy and awareness** of the elements available.



Documentation available includes metadata, descriptions, qualifiers and limitations.



Police Transparency Powered by GIS

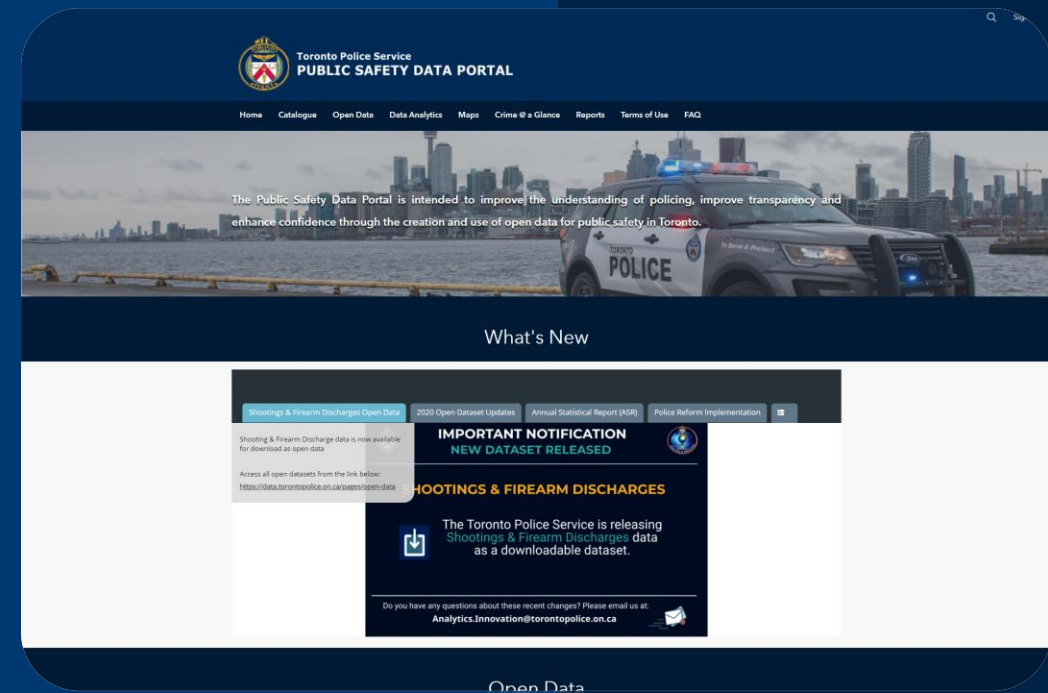
Public Safety Data Portal



Public Safety Data Portal

User-friendly platform designed to improve the understanding of policing, **increase transparency** and enhance confidence in the Service through the creation and use of open data.

Est. 2017





Products Available

**Open
Datasets**



**Open
Analytics**



**Interactive
Maps**



**Data
Literacy**





ArcGIS Products

ArcGIS Online



Experience Builder



Survey 123



Hub

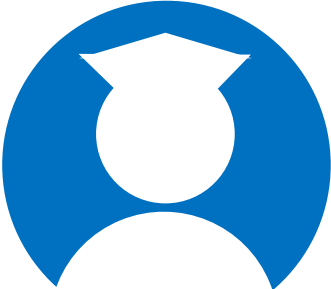


Story Maps

Users



Government Agencies



Police



General Public



Community Partners



Media



Academia

The main users of the PSDP have been identified through several surveys

We rely on **feedback** to guide the decisions made when enhancing the products provided

ANNUAL STATISTICAL REPORT

ICATIONS

CONTROLLED DRUGS
& SUBSTANCES

HATE/BIAS CRIME

CRIME AGAINST
THE PERSON



FIREARMS
SEIZURES

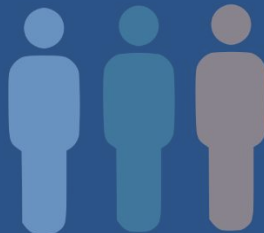


BUDGET

PERSON

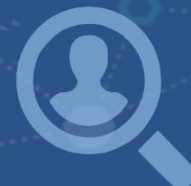


CRIME AGAINST
PROPERTY



REGULATED INTERACTIONS

SEARCH OF PERSONS



TRAFFIC COLLISIONS

ADM

Police Transparency Powered by GIS

Annual Statistical Report



What is the Annual Statistical Report?

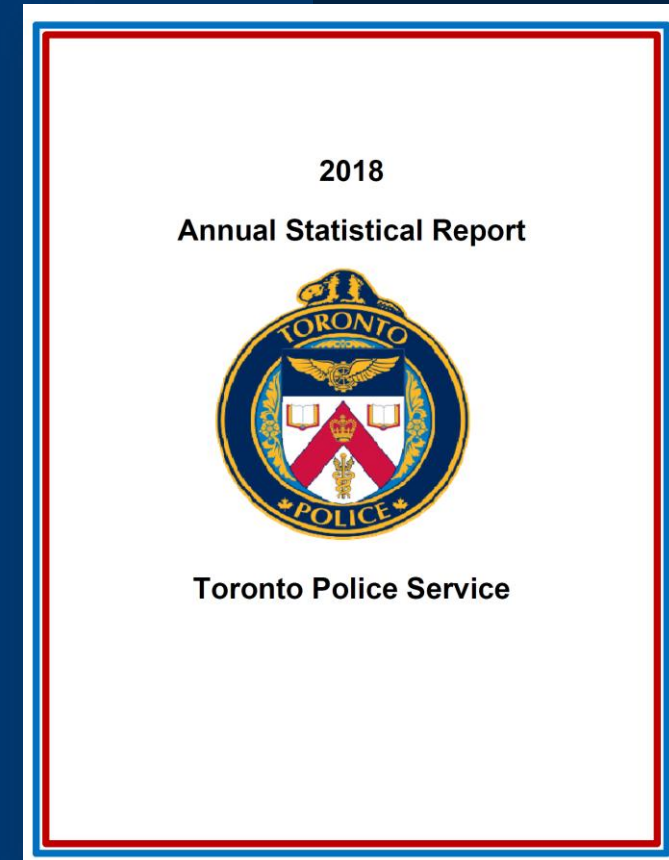
- Comprehensive overview of police-related statistics
- Accountability and transparency tool instead of a community safety tool





Prior to the 2019 Report

- Annual Statistical Reports were provided as a static P.D.F. report.
- Metrics were presented in tables and charts for a five-year period.
- No data was provided spatially





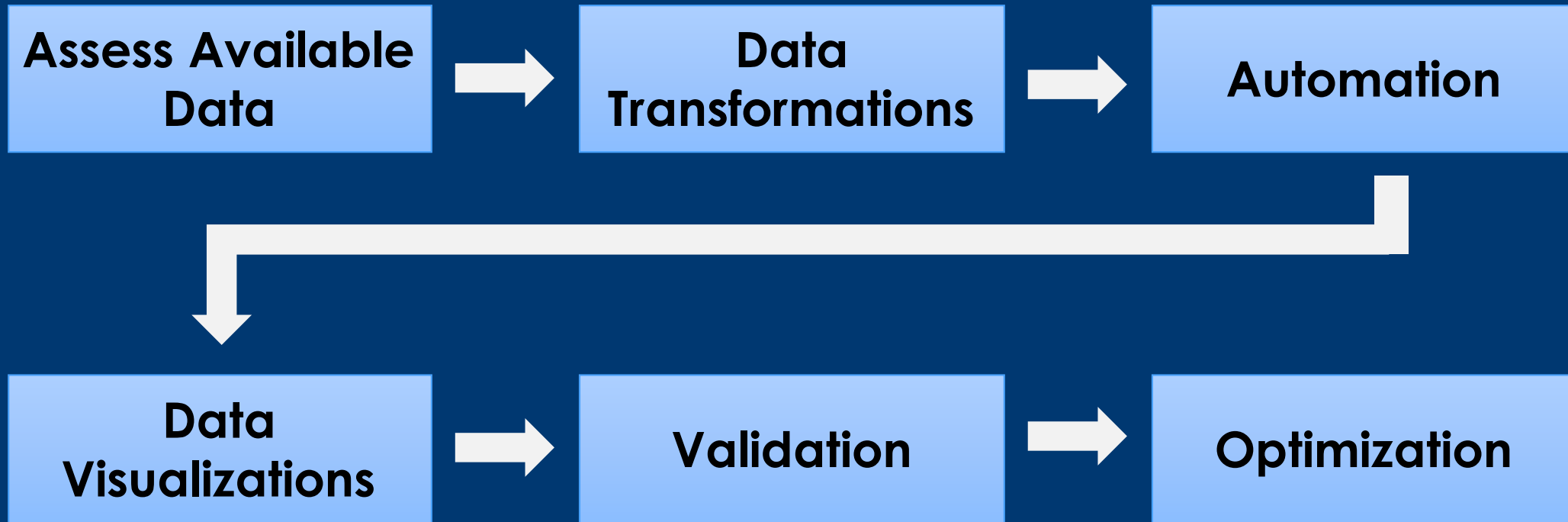
Since 2020

Annual Statistical Report has been redesigned and launched to include several elements





How did we do this?





Guide to the ASR



Annual Statistical Report: A Guide

This guide provides an introduction to the Toronto Police Service Open Data release of the Annual Statistical Report (ASR).

Toronto Police Service | April 22, 2021

[PDF Report](#) [Open Datasets](#) [Data Analytics](#) [Crime & Traffic Report](#) [Administrative Report](#) [ASR Maps](#) [Infographics](#) [Supplementary Documentation](#)





Open Datasets



Available as .csv file

Data is available from
2014 - 2019

#	Section	Table Code	Table Name	Download
1	Reported Crime	ASR-RC-TBL-001	Reported Crimes	
2	Reported Crime	ASR-RC-TBL-002	Homicides	
3	Victims of Crime	ASR-VC-TBL-001	Victims of Crime	
4	Search of Persons	ASR-SP-TBL-001	Search of Persons	
5	Firearms	ASR-F-TBL-001	Top 5 Calibres	
6	Firearms	ASR-F-TBL-002	Top 20 Offence of Firearm Seizures	
7	Firearms	ASR-F-TBL-003	Miscellaneous Firearms	
8	Traffic	ASR-TTBL-001	Traffic Collisions	
9	Personnel & Budget	ASR-PB-TBL-001	Gross Expenditures by Division	
10	Personnel & Budget	ASR-PB-TBL-002	Personnel by Rank	
11	Personnel & Budget	ASR-PB-TBL-003	Personnel by Rank by Division	
12	Personnel & Budget	ASR-PB-TBL-004	Personnel by Command	
13	Personnel & Budget	ASR-PB-TBL-005	Gross Operating Budget	
14	Communications	ASR-CS-TBL-001	Dispatched Calls by Division	
15	Communications	ASR-CS-TBL-002	Miscellaneous Calls for Service	
16	Public Complaints filed with the O.I.P.R.D.	ASR-PCF-TBL-001	Total Public Complaints	
17	Public Complaints filed with the O.I.P.R.D.	ASR-PCF-TBL-002	Investigated Alleged Misconduct	
18	Public Complaints filed with the O.I.P.R.D.	ASR-PCF-TBL-003	Complaint Dispositions	
19	Regulated Interactions	ASR-RI-TBL-001	Regulated Interactions	
20	Regulated Interactions	ASR-RI-TBL-002	Regulated Interactions Demographics	
21	Administrative	ASR-AD-TBL-001	Administrative	
22	Miscellaneous	ASR-MISC-TBL-001	Miscellaneous Data	
22	Map	ASR-SH-TBL-001	Shooting Occurrences	





Interactive Dashboards



**Annual Statistical Report
Crime & Traffic**

Report Navigation

- Reported Crimes Summary
- Crimes Against the Person
- Homicides
- Crimes Against Property
- Victims of Crime
- Search of Persons
- Firearms
- Traffic

Download Data

Launch Map

Info

Reported Crimes Summary

2019

Total Reported Offences
144,570

Total Criminal Code Violations
142,635

Crimes Against the Person
29,058

Crimes Against Property
94,959

Criminal Code Traffic
1,796

Other Criminal Code Violations
16,822

Controlled Drugs & Substances Act
1,706

Other Federal Statute Violations
229

Total Reported Offences by Year

Year	Reported
2014	113,277
2015	117,290
2016	122,572
2017	129,931
2018	143,280
2019	144,570

Percent Change

Year	Percent Change
2014-15	3.5%
2015-16	4.5%
2016-17	6.0%
2017-18	10.3%
2018-19	0.9%

Year	Reported	Cleared	% Cleared	Rate
2014	113,277	59,803	52.8%	3,942.8
2015	117,290	59,465	50.7%	4,196.0
2016	122,572	59,889	48.9%	4,487.2
2017	129,931	60,780	46.8%	4,508.2
2018	143,280	59,975	41.9%	4,885.2
2019	144,570	60,064	41.5%	4,838.1

Total Reported Offences by Category

Category	Count
Crimes Against the Person	29,058
Crimes Against Property	94,959
Criminal Code Traffic	1,796
Other Criminal Code Violations	16,822
Controlled Drugs and Substances Act	1,706
Other Federal Statute Violations	229

Percentage Cleared

Status	Percentage
Cleared	41.5%
Not Cleared	58.5%

Reported Offences by Division

Hate Crimes by Year

Year	Count
2014	146
2016	176
2018	137
2019	139

FILTERS

Select Year

- 2014
- 2015
- 2016
- 2017
- 2018
- 2019

Select Category

- Crimes Against the Person
- Crimes Against Property
- Criminal Code Traffic
- Other Criminal Code Violations
- Controlled Drugs and Substances Act
- Other Federal Statute Violations

Select Area

Division

Command





ASR Maps





Annual Statistical Report Maps





Reported Crime Categories
2014 - 2019



Reported Crime Subtypes
2014 - 2019



Traffic Collisions
2014 - 2019



Dispatched Calls
2014 - 2019

ASR Home Page

Data Analytics

Supplementary Documentation



Other Downloadable Elements



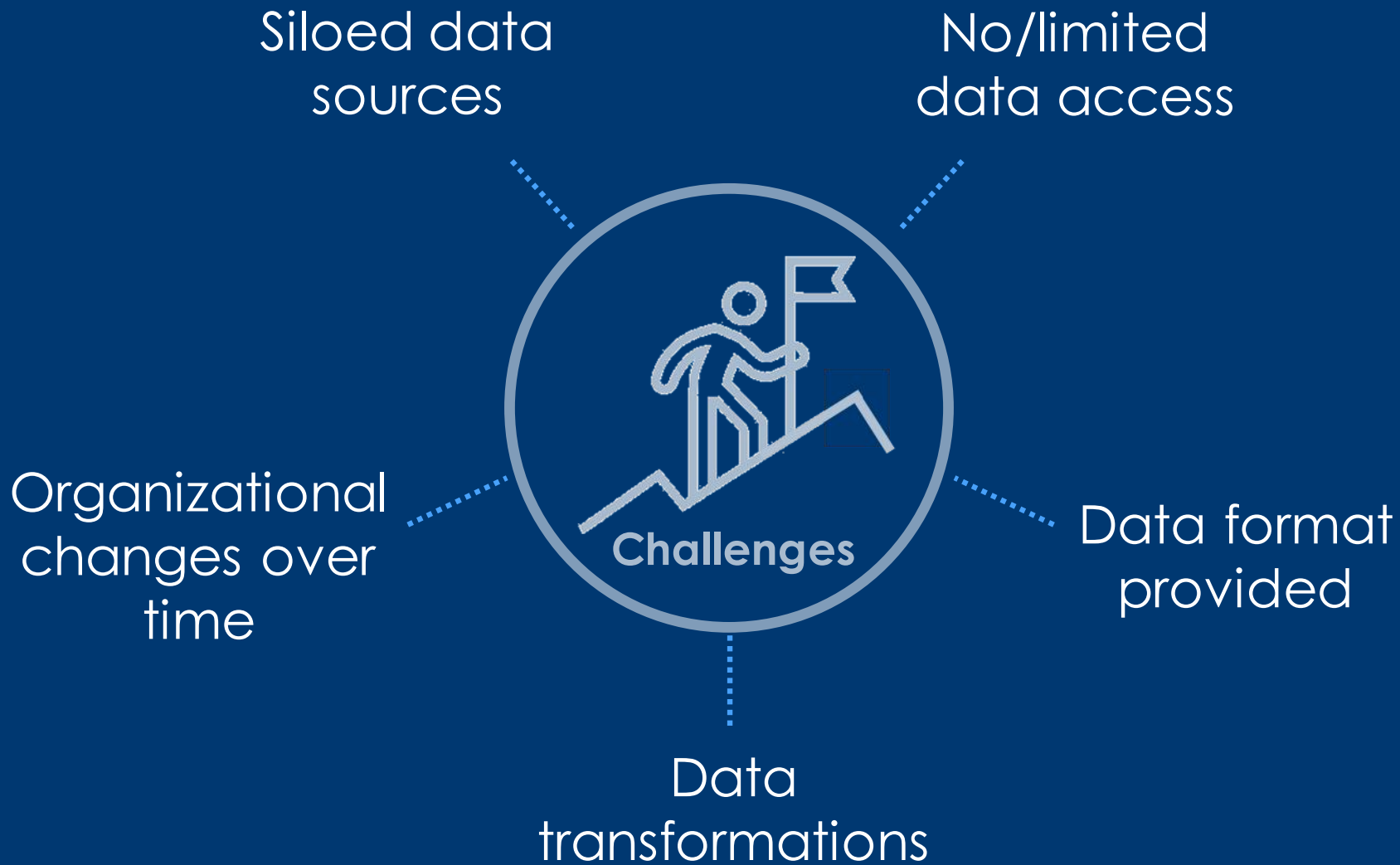
PDF Report



Infographics



Documentation





Standard data
table formats

Automations
required



Adaptability of
this model

Single access
database required



Set the **standard** for how Toronto Police Service report data publicly



Demo



Questions?





Contact Us

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