

2025

CFS ANNUAL REPORT

Ontario's Centre of Forensic Sciences (CFS) is one of the most extensive forensic science facilities in North America. We conduct scientific investigations in cases involving injury or death and crimes against persons or property.

The CFS is part of the Public Safety Division of Ontario's Ministry of the Solicitor General. CFS conducts scientific analyses in the areas of Biology/DNA, Toxicology, Firearms analysis, Chemistry and Questioned documents.



CENTRE OF
FORENSIC SCIENCES

Ontario

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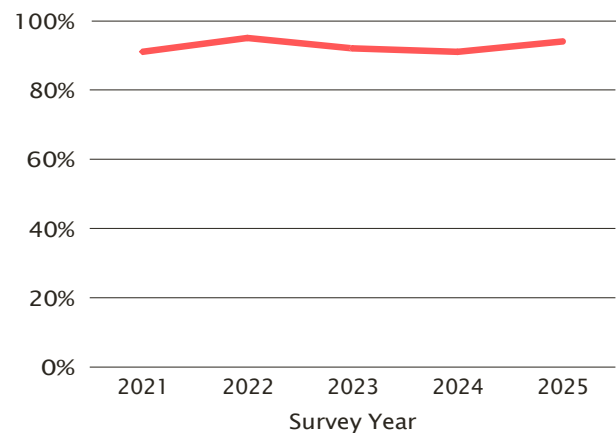
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WELCOMING MESSAGE



STRATEGIC HIGHLIGHTS

In 2025, the Centre of Forensic Sciences (CFS) strengthened public safety across Ontario by accelerating access to high-quality forensic intelligence. We advanced Rapid DNA toward future field deployment, developed efficient methods to train large numbers of officers to operate the Intoxilyzer 9000, and enhanced measures to provide faster firearms intelligence, and enhanced earlier firearms intelligence to help police identify gun crime linkages sooner.



2025 CFS Annual Client Satisfaction Survey: Overall satisfaction rate

OPERATING HIGHLIGHTS

CFS focused on delivering faster, scalable service for our policing and justice partners. Ministry of the Solicitor General's (SOLGEN) virtual training model supported the provincewide transition to the Intoxilyzer 9000, with more than 2,100 officers trained by the end of Q1 2025/26. We also reached a key Rapid DNA Pilot milestone with deployment to OPP Belleville and introduced a new Firearms Unit process that provides linkage intelligence an average of 82 days earlier than full reports.



2025 SUCCESS STORIES LOOKING AHEAD

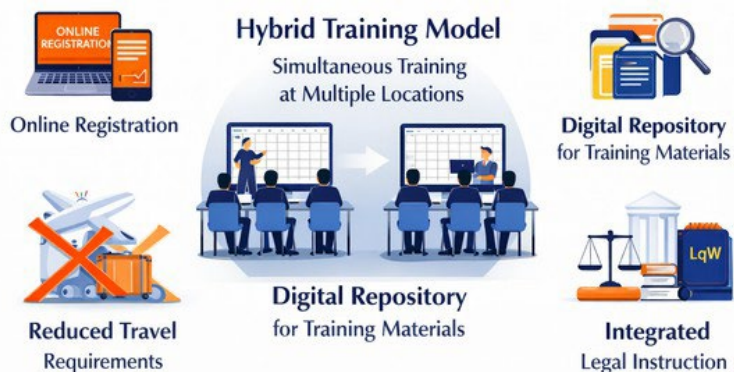
In 2026 and beyond, CFS will continue modernizing forensic delivery by scaling approaches that reduce turnaround times while preserving quality and scientific rigor. We will build on Rapid DNA learnings to inform future field use, expand the impact of DNA Data Bank uploads and matches, and strengthen early investigative intelligence—helping keep Ontarians safe and supporting confidence in the justice system.



INTOXILYZER 9000 TRAINING

Ontario's roads are safer due to SOLGEN training more than 2,100 police officers on the new Intoxilyzer 9000, used in alcohol-impaired driving investigations. A new virtual instruction platform increased the number of training locations and officers trained per course while maintaining the highest standards of certification. In the eight months leading up to April 2025, more than 1,700 officers were trained; almost 10 times the number trained under the previous in-person model. Over 2,100 officers were trained by the end of Q1 2025/26, effectively ensuring a full complement of Intoxilyzer-trained officers are able to perform breath testing throughout Ontario.

Enhancing Officer Training for Alcohol-Impaired Driving Investigations



2025 SUCCESS STORIES

RAPID DNA PILOT PROJECT

CFS continues to advance the Rapid DNA Pilot Project, delivering near-real-time DNA intelligence that is improving police investigative efficiency and informing future field deployment of Rapid DNA technology more broadly throughout the province.

Rapid DNA Analysis

DNA Results
Within 2 Hours



Testing in Police
Detachments



Easy-to-Use
Equipment
with CFS Support

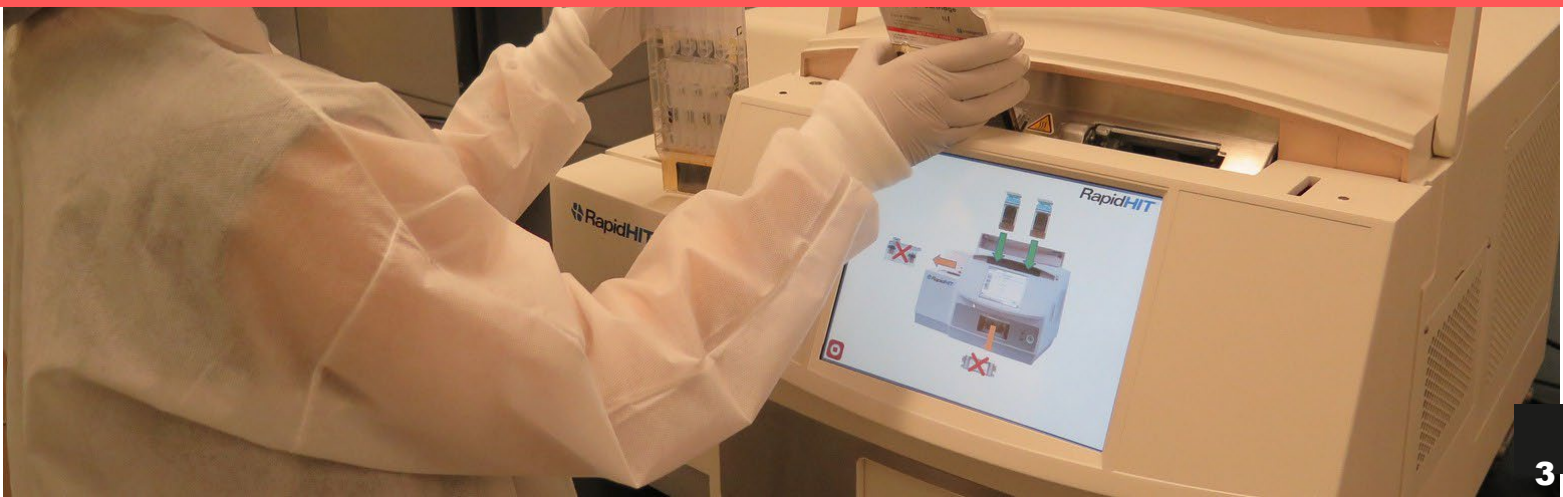


492 Samples Analyzed to Date:

Focusing Rapid DNA for Criminal Investigations

CFS has achieved a significant milestone in its Pilot Project with Police Services for Rapid DNA analysis. Rapid DNA analysis provides actionable intelligence to help direct police investigations within two hours of DNA sample collection. In December 2025, the first Rapid DNA instrument was moved from CFS's laboratory to OPP Belleville. This step further advances the Pilot Project to inform future field use. To date, 492 samples have been processed by police using the Rapid DNA instrument. If each of those samples were individually tested using standard lab processes, it would take 68 weeks to complete. The same number of samples processed

through the Rapid DNA system would take approximately 40 days of work. This equates to a reduction of over 90% in analysis time. This does not even consider the additional efficiencies that will be realized when officers can test samples at their own detachments instead of having to transport them to the CFS. Police services have already saved multiple days of work by multiple officers who were able to rely upon Rapid DNA results to help direct their investigations. Far greater time savings for investigators is anticipated with the expansion of Rapid DNA use.

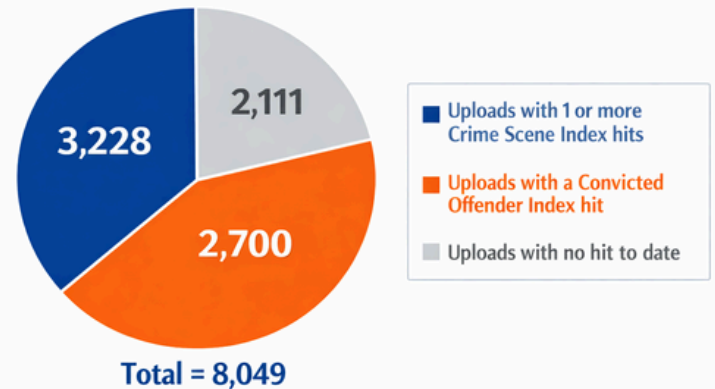


2025 SUCCESS STORIES

INCREASE IN DNA CASEWORK AND ITS UTILITY IN SOLVING CRIMINAL INVESTIGATIONS

DNA profile generation and subsequent National DNA Data Bank uploads by CFS continue to increase, with a high proportion of DNA profiles generating matches to convicted offenders. This information provides critical intelligence which directly supports police investigations and prosecutions.

CFS DNA Profiles Uploaded to Crime Scene Index of National DNA Data Bank in 2025



Case submissions to CFS for DNA Analysis continue to increase; in 2025, CFS uploaded 8,049 DNA profiles to the Crime Scene Index of the National DNA Data Bank. This is an increase of over 50% relative to 2023 and represents an exponential advance in the utility of DNA profiles and the National DNA Data Bank to police investigations and criminal prosecutions.

Additionally, 60% of the DNA profiles generated by the CFS and uploaded to the Data Bank match to, and identify, previously convicted offenders. These matches are amongst the most reliable and probative information used to advance police investigations. To date, 40% of all DNA crime scene profiles in Canada's National DNA Data Bank have been produced and uploaded by the CFS.



2025 SUCCESS STORIES

Firearms Intelligence Process Enhancement

— Accelerating Gun Crime Linkages —

Rapid IBIS for Linkage Examination (R.I.F.L.E.)



Provides expedited linkages between gun crimes.

Preliminary Firearms Notification Letter



Combines information on number of firearms involved, bullet calibre determination, and linkages.

IBIS Analysis First



Now performed first in most firearms cases.

Accelerating actionable intelligence for law enforcement

FIREARMS INTELLIGENCE PROCESS ENHANCEMENT

CFS Firearms Unit has implemented a new process which provides police with more investigative intelligence earlier than ever, accelerating gun crime linkages and reducing the need for further analysis in some cases.

A NEW PROCESS

In Q3 of 2025, the CFS Firearms Unit implemented a new process that provides law enforcement with actionable intelligence about whether there are any linkages between gun crimes as soon as practicable. With this new process, police obtain actionable investigative information an average of 82 days before the full firearms

examinations are completed and reports issued. In some instances, police were able to rely upon this preliminary information such that further CFS analyses were not required. This new process is expected to provide rapid results to over 2,000 criminal firearms investigations per year.

CFS WORKLOAD FROM 2016 TO 2025

KEY STATISTICS



**AVERAGE
TURNAROUND TIME**



CASE TYPES



WORKLOAD



CASES RECEIVED



SELECTED OFFENSES



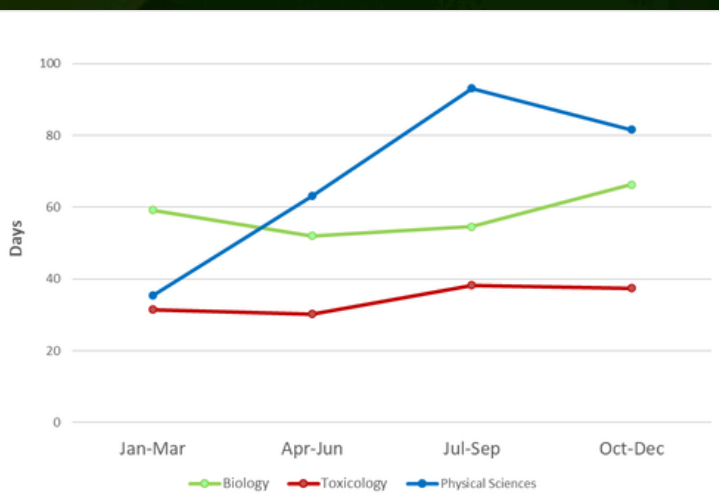
**CFS CASES AND
TURNAROUND TIME**

Note :

The following statistics alone cannot represent the contributions to public safety and impact that CFS staff are having on the judicial system in Ontario. Forensic evidence is used extensively

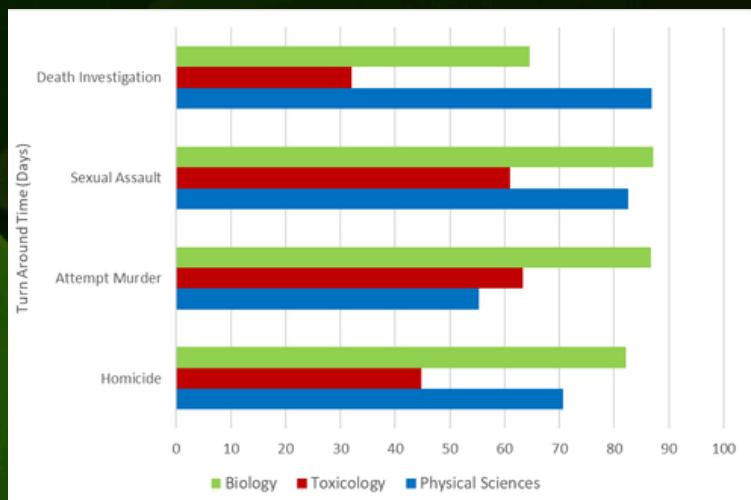
in police and coroner's investigations and court cases in many murders, impaired driving, sexual assaults, and other crimes against persons and properties.

AVERAGE TURNAROUND TIME (ALL CASES)



The average time from item submission to report completion, presented over the four quarters of 2025 and separated by program area.

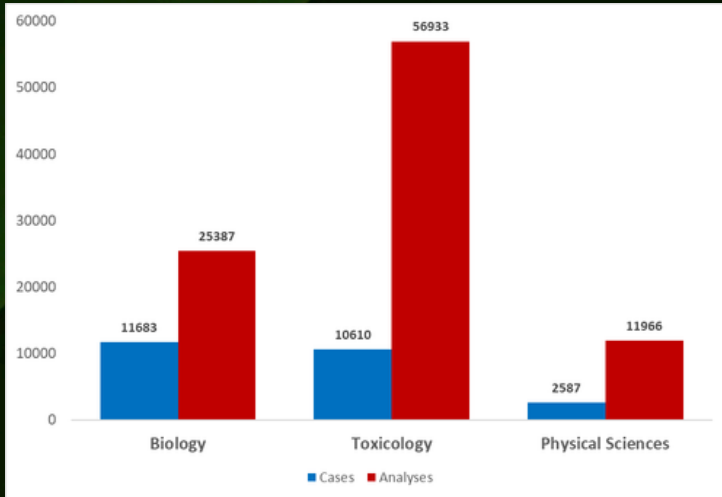
AVERAGE TURNAROUND TIME - SELECTED CASE TYPES



The average time from item submission to report completion for death investigations and three key offense types, separated by program area.

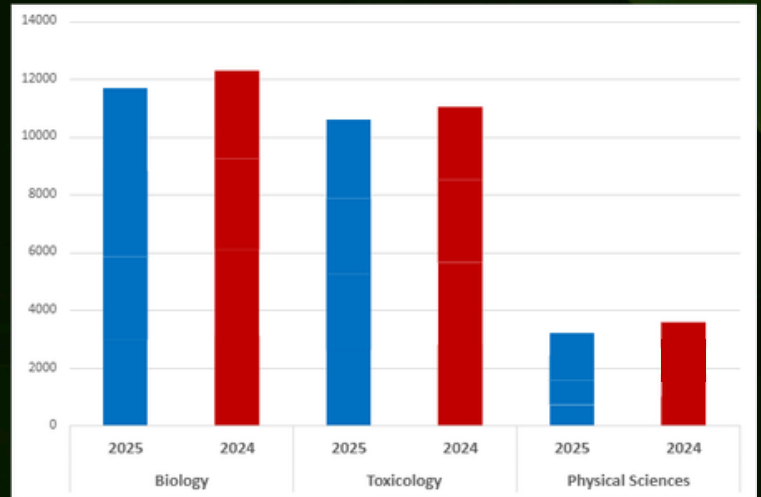
KEY STATISTICS

WORKLOAD BY PROGRAM AREA



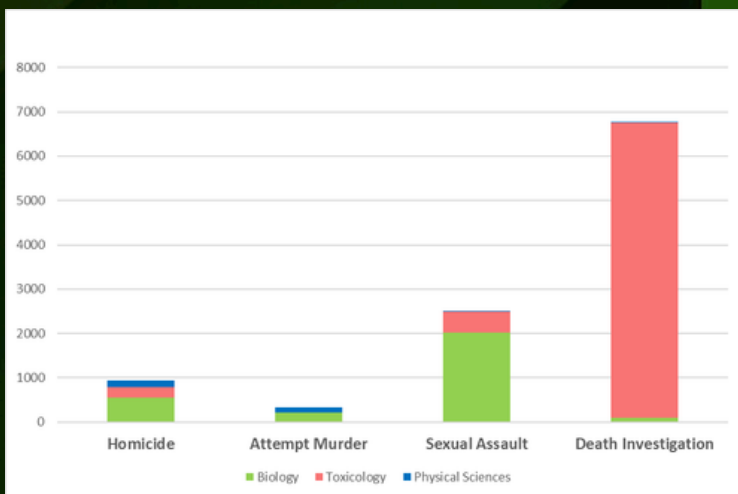
The total number of case submissions and analysis requests for each section in 2025. Note that multiple items may be analyzed under a single request.

CASES RECEIVED (2025 VS. PREVIOUS YEAR)



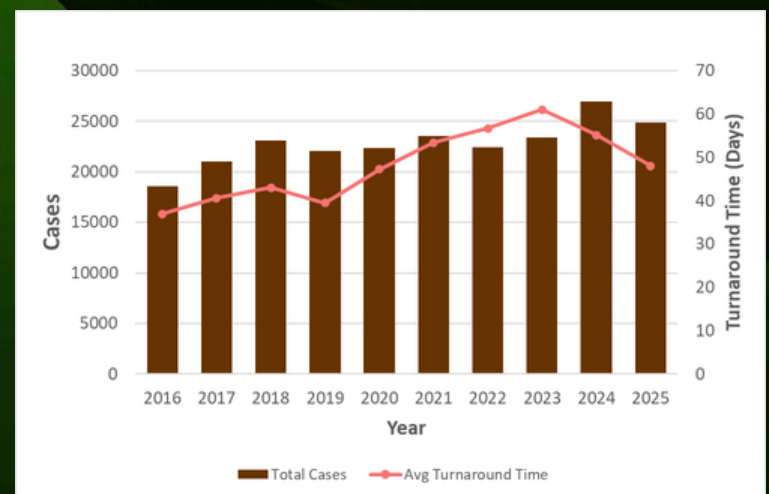
Total number of case submissions received in 2025 vs. 2024 separated by program area.

CASES RECEIVED - SELECTED OFFENSES



Number of submissions received for death investigations and three key offense types, stacked by program area.

CFS CASES AND TURNAROUND TIME 2016-2025



Total number of case submissions (bars) and average time from item submission to report completion (line) from 2016 through 2025.

INNOVATION AND MODERNIZATION

CFS RESEARCH AND DEVELOPMENT

- In 2025, CFS introduced a research ethics framework that follows the national Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans and requires Research Ethics Board review for all relevant research involving human subjects. This ensures that all our research activities meet the “gold standard” for research ethics.
- CFS research was published in two peer reviewed academic articles and at least sixteen oral or poster presentations, including at national and international conferences.
- 18 new research projects were approved.



10 new research collaborations were formally established with six organizations

- European Network of Forensic Science Institutes*
- Office of the Fire Marshall*
- Laurentian University
- Ontario Tech University
- University of Toronto - Mississauga
- OFPS/OCC

* indicates first time research partner



CONTACT US LOCATIONS

TORONTO LABORATORY



SAULT STE. MARIE LABORATORY



TORONTO

Forensic Services and Coroners
Complex (FSCC)

25 Morton Shulman Avenue,
Toronto, Ontario, M3M 0B1
General Inquiry: 647-329-1320

SAULT STE. MARIE

Roberta Bondar Place

70 Foster Drive, Suite 500 Sault
Ste. Marie, Ontario, P6A 6V3
General Inquiry: 705-945-6550

Email General Queries: CFS.Feedback@ontario.ca

Website: www.ontario.ca/page/centre-forensic-sciences

2025

THANK
YOU

