

Facial Recognition

Presentation to BOPC
Thursday, March 28, 2024



DETROIT POLICE DEPARTMENT

Chief James E. White

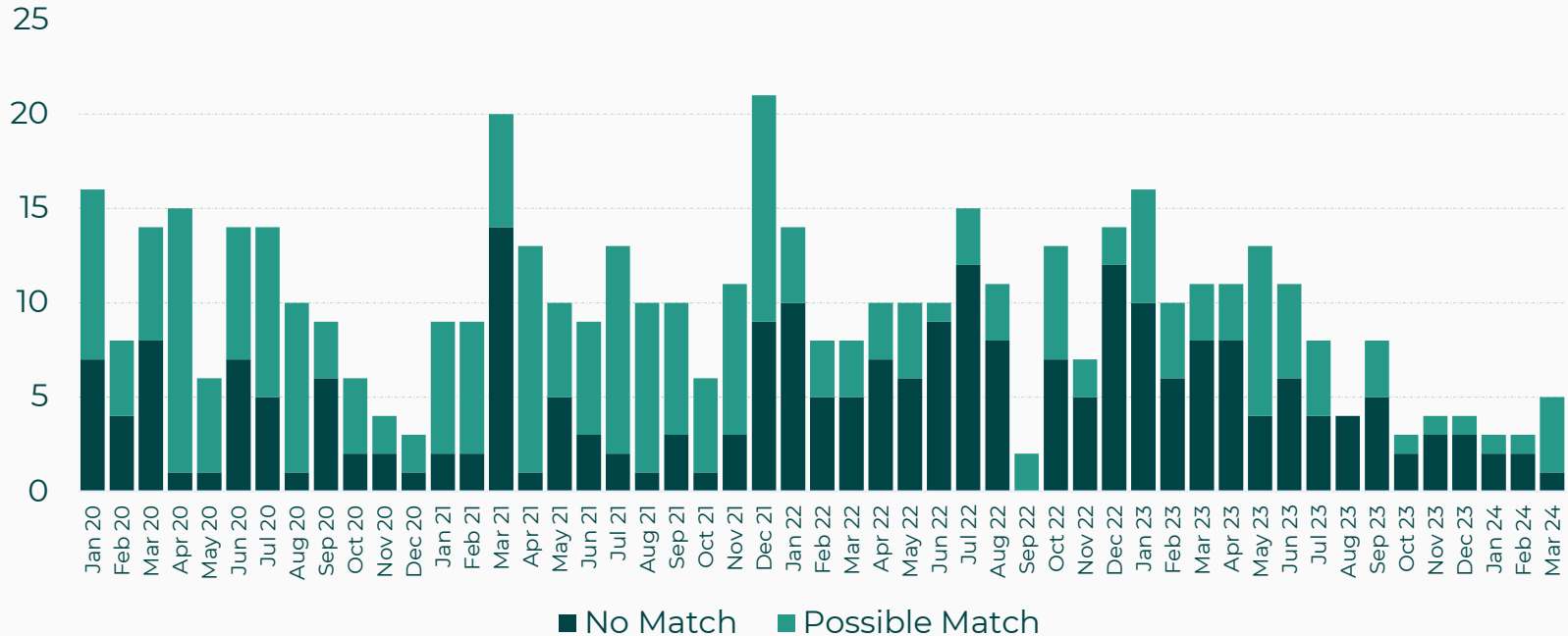


Facial Recognition Technology

- DPD uses DataWorks Plus through the Michigan State Police (MSP) Statewide Network of Agency Photos (SNAP).
- SNAP provides access to Statewide mugshot photos used for face comparisons and photo lineups.
- Facial recognition software can only be used in the investigation of Part I violent crimes (homicide, sex assault, aggravated assault / non-fatal shooting, robbery / carjacking) and first-degree home invasion.
- Facial recognition software is a stand-alone program; DPD can only use still images and can NOT load video into the system.
- Facial recognition results are only leads. By itself, facial recognition shall not be used to make an arrest or request an arrest warrant.



Facial Recognition Searches in the Last Three Years by Month



Facial Recognition Training for Analysts

- DPD Analysts receive advanced training on morphological comparisons from the Federal Bureau of Investigation (FBI). This training focuses on the distinctive nature and measurements of facial features.
- DPD Analysts also receive training on DPD policy and process.
- MSP holds an annual SNAP training and offers training guides and videos within the portal itself



Facial Recognition Process

- Investigating officer submits a request to Crime Intelligence Unit (CIU)
- CIU Analyst conducts review of the case, vetting the case against the policy, to ensure that the request meets policy requirements.
- If approved, CIU Analyst loads photo into SNAP and runs search.
- CIU Analyst conducts facial comparisons from the returned search results.
- If analyst finds a possible candidate; the results are reviewed by a second CIU Analyst.
- If corroborated; the results are reviewed by a supervisor.
- If approved; Analyst completes investigative lead report and provides it to the requesting investigator.



Facial Recognition Templates

Vetting

The result of a facial recognition search is provided to the Detroit Police Department only as an investigative lead and IS NOT TO BE CONSIDERED A POSITIVE IDENTIFICATION OF ANY SUBJECT. Any possible connection or involvement of any subject to the investigation must be determined through further independent investigation and investigative resources. Facial recognition technology's accuracy depends in part on the ability to discern facial details. Thus, the accuracy of a facial recognition result depends on the input image's quality, lighting, face angle, and face obstructions, among other factors. Facial recognition error rates increase as the quality of the probe image decreases; however, even when using a high-quality probe image, facial recognition technology can still fail to provide an accurate result. The result provided by the technology will always be false when the suspect does not have a photo in the comparison database (for example, no prior arrest photos in an arrest-photo database).

REQUEST DATE/TIME:	
REPORT NUMBER:	
CRIME:	Chemical Offense/Carjacking /Aggravated Assault/AFPS /DOSC/LSC 3 /Chome Invasion 1
REQUESTER NAME:	RANK: Choose an item... COMMAND:
IMAGE SOURCE:	NUMBER OF IMAGES:
REASON:	<input type="checkbox"/> Reasonable Suspicion of a Part Violent Crime or First-Degree Home Invasion <input type="checkbox"/> Physical Incapacity/Mental Incapacity (At-Risk Person/Deceased Person (Homeless Only))
PER POLICE REPORT, SUPPLEMENTS, AND DETECTIVE NOTES:	
PROBE ROLE IN CRIME:	Choose an item.
SUSPECT KNOWN:	Choose an item.
PHOTO QUALITY:	
FILE SIZE:	DIMENSIONS:
RACE:	SEX:
FACIAL OBSTRUCTIONS:	
FACE ORIENTATION:	
IMAGE BRIGHTNESS:	
FACE POSITION:	
FACE MARKS:	
STATUS OF REQUEST:	Choose an item.
IF REJECTED, WHY?	
ANALYST:	DATE/TIME:
REVIEWER:	DATE/TIME:
SUPERVISOR:	DATE/TIME:

Intel Number: **23-**

Revised: 12/6/2023

Investigative Lead

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REQUEST #:	2300		
REQUEST DATE/TIME:			
REPORT NUMBER:			
CRIME:	Chemical Offense/Carjacking /Aggravated Assault/AFPS /DOSC/LSC 3 /Chome Invasion 1		
REQUESTER NAME:	RANK:	COMMAND:	
REASON:	<input type="checkbox"/> Reasonable Suspicion of a Part Violent Crime or First-Degree Home Invasion <input type="checkbox"/> Physical Incapacity/Mental Incapacity (At-Risk Person/Deceased Person (Homeless Only))		
IMAGES:			
	ORIGINAL IMAGE	ENQUIRY IMAGE	INVESTIGATIVE LEAD
IMAGE SOURCE:	Choose an item.	Choose an item.	SWP Date
IMAGE ENHANCEMENTS:	Choose an item.	Choose an item.	None
# OF IMAGES PRODUCED IN GALLERY:	# OF LEAD IMAGES IN DATABASE:	DATES OF LEAD IMAGES:	
NAME:			
ALIAS:			
DOB:			
DELETED:			
SID #:			
ADDRESS:			
SOCIAL MEDIA:			
INCHARGE/AGENT STATUS:	Choose an item.	SOURCE:	Choose an item. DATE:
INVESTIGATIVE LEAD PROCESS:	<input type="checkbox"/> Statewide Network of Agents (Pilot) (SNAP) <input type="checkbox"/> DataWorks Plus <input type="checkbox"/> Forwarded to Michigan State Police (MSP) for additional assistance		
DATE/TIME FINALIZED:			
SUPERVISOR/REVIEWER:			
SUPERVISOR:			

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FURTHER INVESTIGATION WAS COMPLETED TO DETERMINE THE NECESSARY PROBABLE CAUSE TO PROCEED WITH AN ARREST OF THE INDIVIDUAL AND/OR SUBMISSION OF A WARRANT:	
<input type="checkbox"/> CID/IS Match	
<input type="checkbox"/> RES hit	
<input type="checkbox"/> CIDR warrant results	
<input type="checkbox"/> CIDR warrant results	
<input type="checkbox"/> Social Media warrant results	
<input type="checkbox"/> Witness Statements	
<input type="checkbox"/> Other:	
<input type="checkbox"/> Other:	
<input type="checkbox"/> Other:	
INVESTIGATIVE OPERATIONS:	
Prior to an arrest of an individual and/or submission of a warrant, the information was reviewed and:	
<input type="checkbox"/> APPROVED	
<input type="checkbox"/> DENIED	
Investigate Operations Captain (print): _____	
Signature: _____	Date: _____
COMMANDING OFFICER:	
Prior to an arrest of an individual and/or submission of a warrant, the information was reviewed and:	
<input type="checkbox"/> APPROVED	
<input type="checkbox"/> DENIED	
Commanding Officer (print): _____	
Signature: _____	Date: _____

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Prohibited Uses

- **Surveillance:** FRT may not be used to surveil the public through any camera or video device.
- **Live Streaming or Recorded Videos:** FRT may not be used on live or recorded videos.
- **Mobile Facial Recognition:** FRT may not be used on a mobile device.
- **Predictive Analysis:** FRT may not be used for predictive analysis.
- **Constitutionally Protected Events:** FRT may not be used solely to investigate individuals participating in events or organizations protected by law and the Constitution.
- **Immigration:** FRT may not be used to assess immigration status or enforce immigration laws.



Requirements for Investigative Follow-Up

Before an arrest warrant can be submitted or a probable cause arrest can be made, investigators must document and specify the corroborating evidence that has been obtained. A probable cause arrest or request for arrest warrant cannot be solely based on facial recognition. This must be approved by the commanding officer of the investigating unit and the commanding officer of Investigative Operations.



Photo Lineup Policy

- DPD now uses a double-blind sequential photo lineup
- The officer administering the line up does not know anything about the investigation and does not know which position the suspect photo is in.
- Each photo is displayed separately, by itself, one at a time.
- Photos used in lineups come from MSP SNAP.



DISCLAIMER

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