MDSS Updates

2025 Communicable Disease Conference

Edward F. Hartwick – MDHHS

May 13, 2025

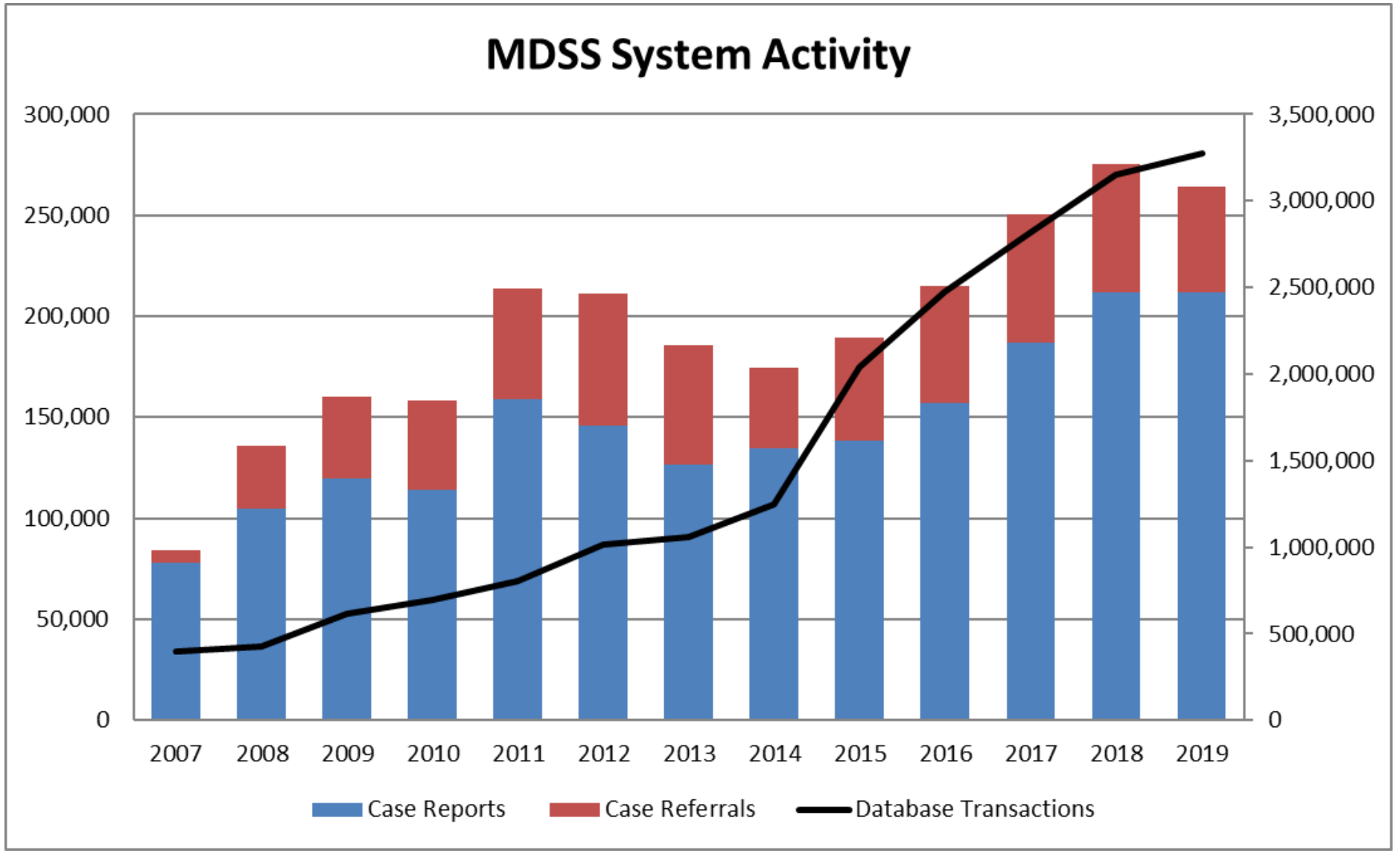
MDHHS

Michigan Department of Health & Human Services

MDSS System Use Statistics

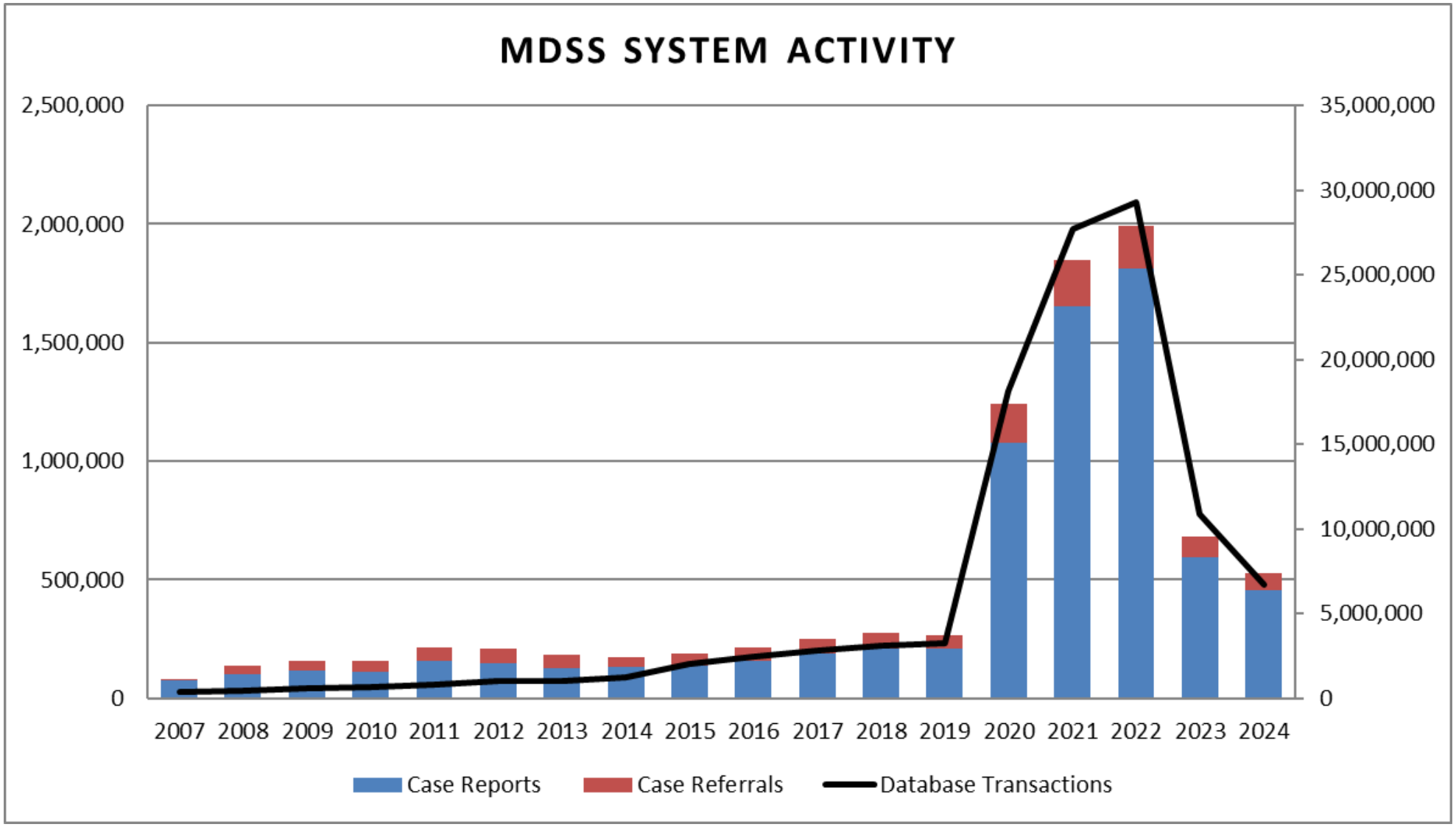
Year	Referrals	Individual Case Reports	Transactions	Unique Logins
2007	83,876	77,686	400,000	----
2008	136,057	104,616	429,848	783
2009	160,326	119,843	618,731	893
2010	158,225	113,765	697,258	906
2011	213,639	159,185	803,092	982
2012	211,150	146,069	1,018,304	1,126
2013	185,362	126,812	1,059,023	1,155
2014	174,237	134,896	1,245,493	1,218
2015	189,131	138,363	2,037,237	1,255
2016	214,742	156,878	2,472,629	1,304
2017	250,504	187,064	2,819,662	1,352
2018	275,375	211,727	3,148,741	1,374
2019	264,336	211,985	3,277,287	1,512
2020	1,240,688	1,075,193	18,129,183	4,289
2021	1,849,289	1,652,382	27,716,273	4,029
2022	1,988,891	1,809,583	29,271,134	3,049
2023	696,209	593,871	10,862,502	2,269
2024	526,882	456,769	673,7051	1,986

MDSS System Use Statistics



Year	Unique Logins
2007	----
2008	783
2009	893
2010	906
2011	982
2012	1,126
2013	1,155
2014	1,218
2015	1,255
2016	1,304
2017	1,352
2018	1,374
2019	1,512
2020	4,289
2021	4,029
2022	3,049
2023	2,269
2024	1,986

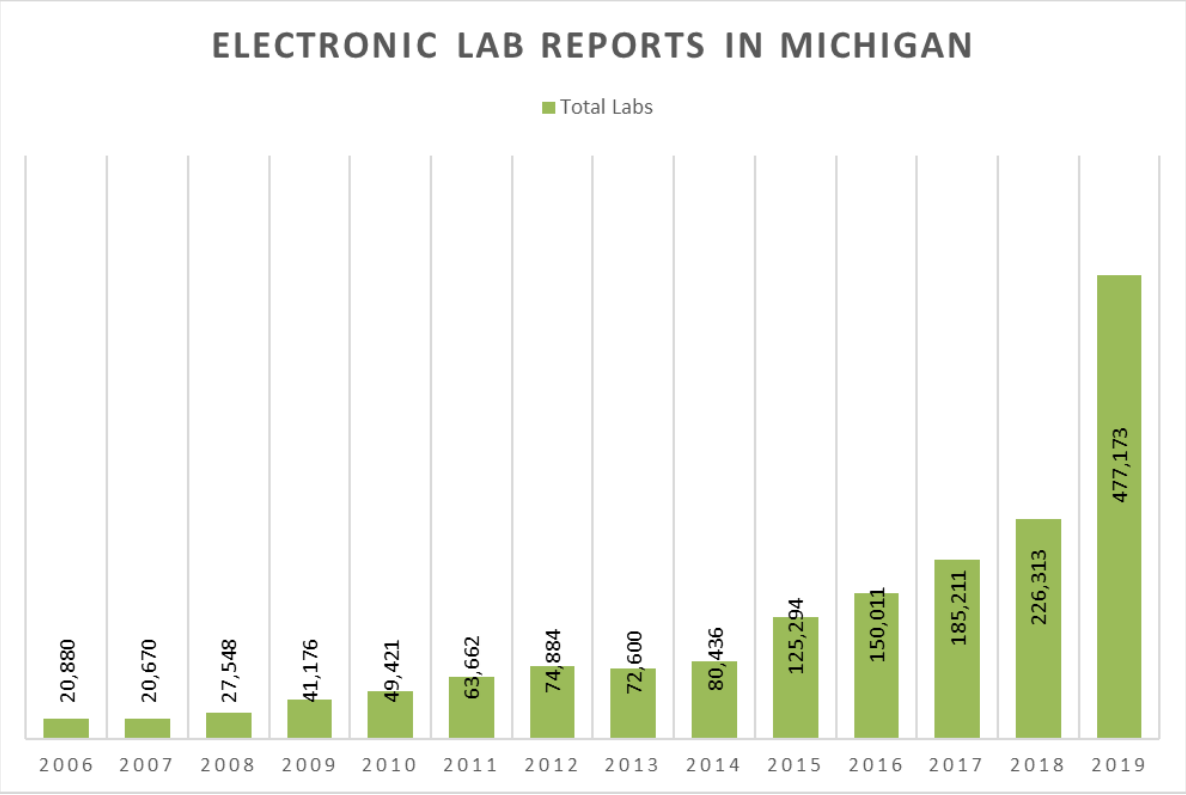
MDSS System Use Statistics



Year	Unique Logins
2007	----
2008	783
2009	893
2010	906
2011	982
2012	1,126
2013	1,155
2014	1,218
2015	1,255
2016	1,304
2017	1,352
2018	1,374
2019	1,512
2020	4,289
2021	4,029
2022	3,049
2023	2,269
2024	1,986

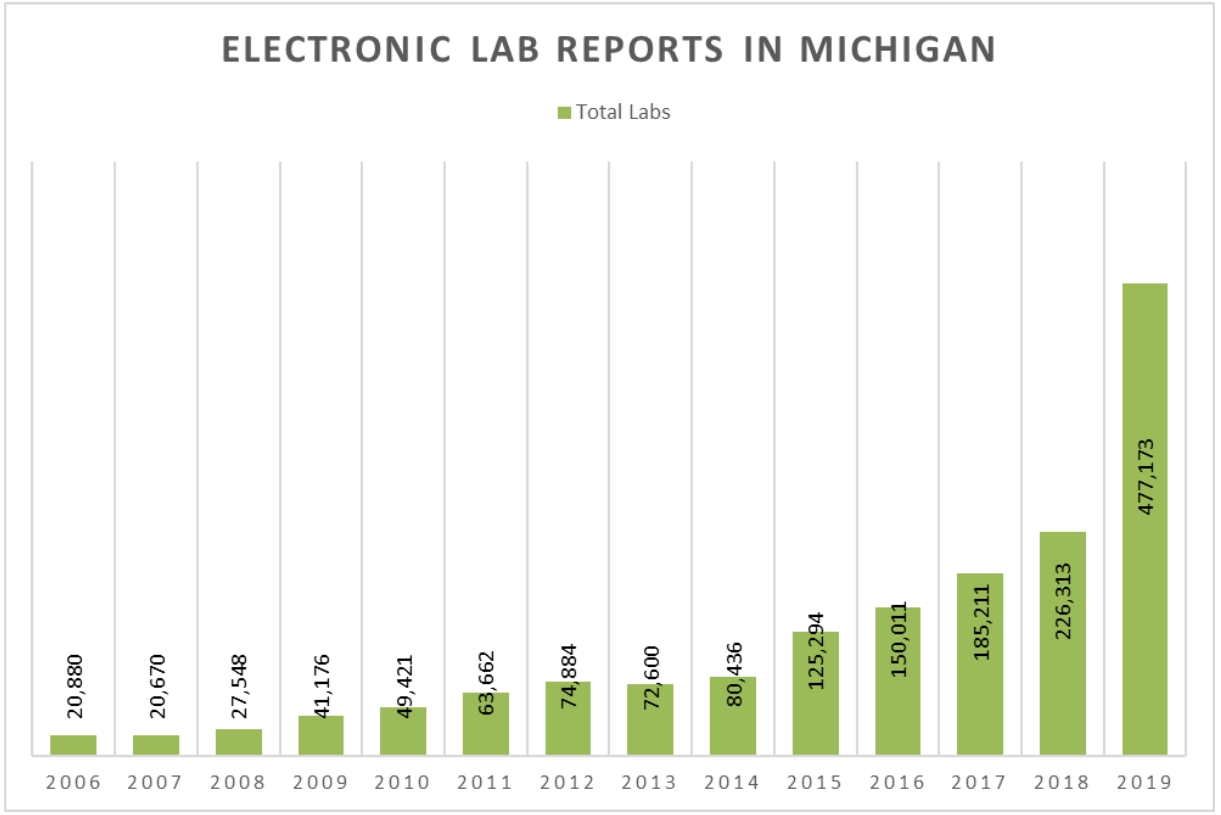
MDSS Electronic Messaging

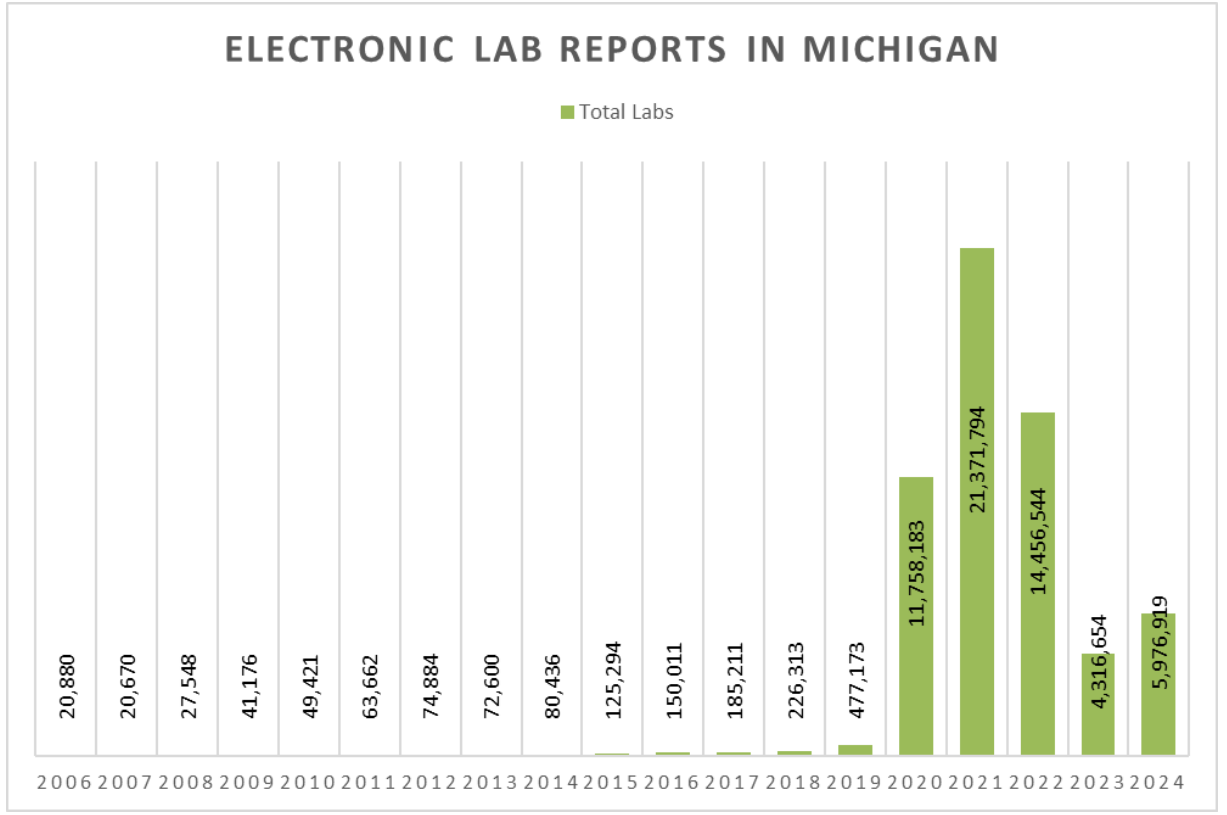
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Totals	20,880	20,670	27,548	41,176	49,421	63,662	74,884	72,600	80,436	125,294	150,011	185,211	226,313	477,173
Change from Previous		-1.01%	33.28%	49.47%	20.02%	28.82%	17.63%	-3.05%	10.79%	55.77%	19.73%	23.46%	22.19%	110.85%



MDSS Electronic Messaging

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Totals	20,880	20,670	27,548	41,176	49,421	63,662	74,884	72,600	80,436	125,294	150,011	185,211	226,313	477,173	11,758,183	21,371,794	14,456,544	4,316,654	5,976,919
Change from Previous		-1.01%	33.28%	49.47%	20.02%	28.82%	17.63%	-3.05%	10.79%	55.77%	19.73%	23.46%	22.19%	110.85%	2,364.13%	81.76%	-32.36%	-70.14%	38.46%





MDSS in 2024

- System usage continues on a downward trend after the pandemic peak.
  - Though considerably lower than before, system usage is still much higher than pre-pandemic levels.

	Compared to 2023	Compared to 2019
Case Referrals	Down 23%	Up 99%
Case Reports	Down 23%	Up 115%
Database Transactions	Down 38%	Up 106%
ELRs	Up 38%	Up 1,153%

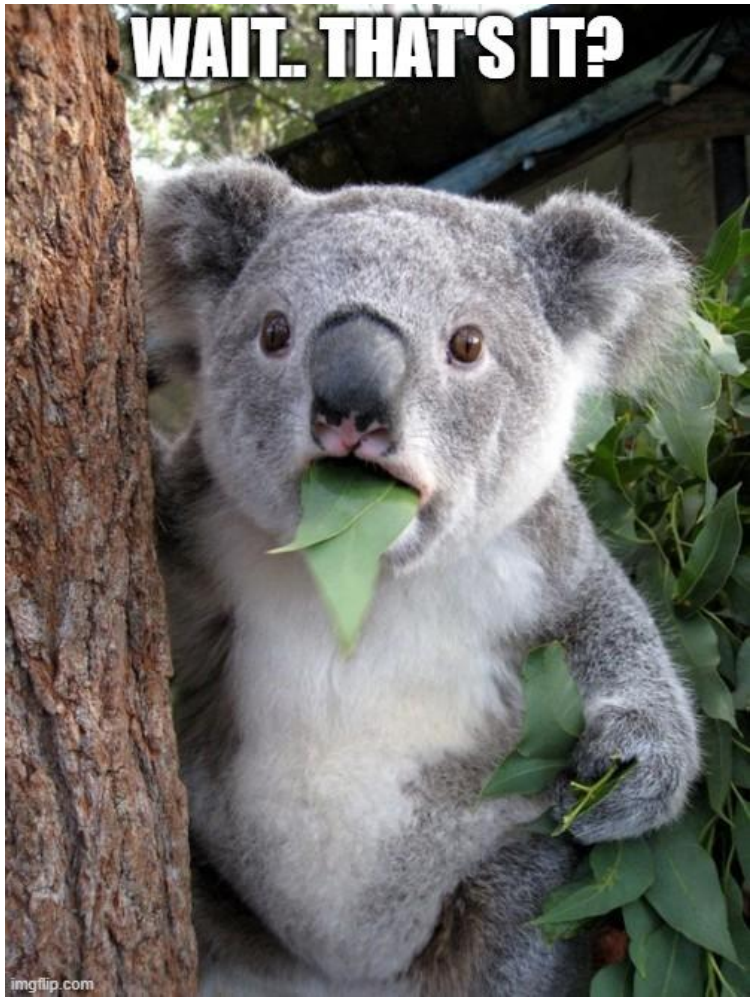
- Five Production Releases.
  - 8.2 – 2/22/24 – Form updates, eCR changes, and Hep B closure rules.
  - 8.3 – 4/25/24 – Preferred Name, form updates, eCR Updates, and case referral type updates.
  - 8.4 – 6/27/24 – Form updates, STI algorithm updates, and LHD Connect configurations.
  - 8.5 – 9/19/24 – CRF dedup enhancement, LHD Connect fully functional, and eCR merge logic updates.
  - 8.6 – 11/21/24 – Ehrlichia updates, form updates, eCR updates and aggregate export updates.

So far in 2025

- MDSS 8.7 – 1/30/25.
  - Form updates, enhanced CRF dedup for COVID, Hep B automation.
- MDSS 8.8 – 3/27/25.
  - Enhanced CRF dedup on manually entered cases, COVID case status set by eCR, Notes transferred from LHD Connect.
- eCR in MDSS
  - 16 Health Care Organizations (HCO) sending eCR currently.
  - Currently COVID-19, Mpox, Chlamydia and Gonorrhea are sending to production.
  - 22,326 cases (4%) in 2023 had eCRs attached, 40,741(9%) in 2024 and 13,433 (6%) so far in 2025. Since Jan 1, 2023, over 27,000 cases have been created by eCR.

Health Care Organization (HCO)	Date Added
Bellin Health	04/14/2023
Trinity Health	04/14/2023
Michigan Medicine	04/14/2023
Beaumont Health	07/07/2023
Aspirus Health	07/07/2023
Premise Health	12/08/2023
Parkview Health	12/08/2023
Aurora Health Care	12/08/2023
OSF HealthCare	12/08/2023
Henry Ford Health	06/28/2024
Sparrow Health	06/28/2024
Bon Secours Mercy Health	06/28/2024
CoreWell Health	01/08/2025
Promedica Health	01/08/2025
UM Health West	01/08/2025
Hurley Medical Center	03/18/2025

Upcoming in 2025

- MDSS 8.9 – Late May, MDSS 8.10 – Late July, MDSS 8.11 – Late Sept
  - Expected updates:
    - LHD Connect – Will be adding a reminder message sending capability for conditions in LHD Connect in May release.
    - eCR – Expecting to finish mapping COVID eCR into case report forms this summer.
    - Form updates for several conditions to prepare for message sending to CDC.

Questions?