

CANADIAN GOVERNMENT DATABASE REVEALS CATASTROPHIC REPRODUCTIVE DAMAGE TO WOMEN AND MEN – *PART 2*

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[*https://files.ontario.ca/moh-diagnostic-codes-en-2023-09-01.pdf](https://files.ontario.ca/moh-diagnostic-codes-en-2023-09-01.pdf)

NOTES ABOUT THE DATA AND ANALYSIS

Incidence Rates For Registered Persons For Specified Diagnostic Codes

IM Requests # IMSC-000018707 and # IMSC-000020521

Data Source(s): Claims History Database (BIDA environment)

Run Date: 2022-12-13 and 2023-08-25

Distinct Incidence Counts By Calendar Year, Sex Type Code, Age Band and Diagnostic Code

General Criteria

HCP claims only, Ontario registered physicians only, approved claims only, service date between 2015-01-01 and 2022-12-31, diagnostic code listed in Table I. Based on the provided ICD-9 diagnosis codes only the available supplied ICD-9 diagnosis codes were included.

Community laboratory groups excluded, duplicate claims excluded.

Notes

Patient age was calculated as of the last day of each calendar year.

Counts are distinct patient counts are the respective reporting level of granularity.

The year is based on the calendar year covering a service period between 2015-01-01 and 2022-12-31.

Each patient was counted once per year, sex type code, diagnostic code and age band.

The reported counts of distinct patients was performed at the reported level of granularity. Columnar volumes should not be accumulated.

Sex Type Code: F = Female, M = Male

NOTES ABOUT THE DATA AND ANALYSIS – CONT'D

- Slides show the average of distinct patients for 2015-2019.
- Slides show the average of distinct patients for 2021-2022.
- 2020 was an anomaly year due to lockdowns, so it is excluded from the analysis.
- For example, for OHIP Diagnostic Code 606 -- Male Infertility, Oligospermia, Azoospermia, the table on the *left* below shows the number of distinct patients per calendar year for 2015-2022 (with 2020 struck through since that year is excluded from the analysis).
 - The table on the right shows the average of distinct patients for the 2015-2019 Pre-COVID years rounded to the nearest whole number: $[(21,551+22,907+23,993+26,350+28,237)/5] = 24,608$.
 - In the table on the right, the same is done for the 'Vaccine Years' of 2021-2022: $[(32,524+32,868)/2] = 32,696$ (again rounded to the nearest whole number).

Row Labels	Sum of Distinct Patients
2015	21,551
2016	22,907
2017	23,993
2018	26,350
2019	28,237
2020	27,442
2021	32,524
2022	32,868
Grand Total	215,872

Column1	Column2
Pre-COVID 2015-2019	24,608
Vaccine Years 2021-2022	32,696

ANALYZED OHIP BILLING/DIAGNOSTIC CODES OVERVIEW

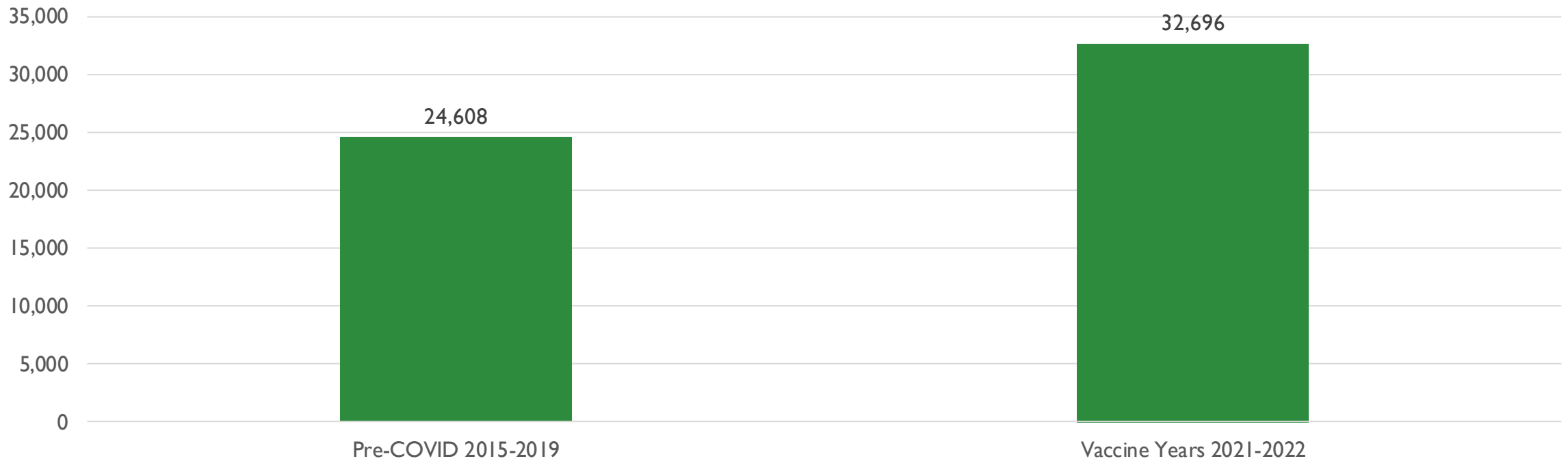
Diagnostic Code	Description
606	MALE INFERTILITY, OLIGOSPERMIA, AZOOSPERMIA
614	ACUTE OR CHRONIC SALPINGITIS, OOPHORITIS OR ABSCESS, PELVIC INFLAM DISE
626	DISORDERS OF MENSTRUATION
627	MENOPAUSE, POST-MENOPAUSAL BLEEDING
628	INFERTILITY
629	OTHER DISORDERS OF FEMALE GENITAL ORGANS
632	MISSED ABORTION
634	INCOMPLETE ABORTION, COMPLETE ABORTION

The complete 2015-2022 analysis of reproduction codes includes about **SIX MILLION** unique patients exported directly from the OHIP database. *The follow analysis excludes 2020 patients since 2020 was an outlier year because of lockdowns.*

NOTE: One must consider the possibility of human error in a dataset such as this, because billing data is entered into insurance systems by humans. For example, a medical coder may transpose a diagnostic code number. Quality Control is not performed on the data to find such errors. The amount of human error can be assumed to remain fairly consistent over time.

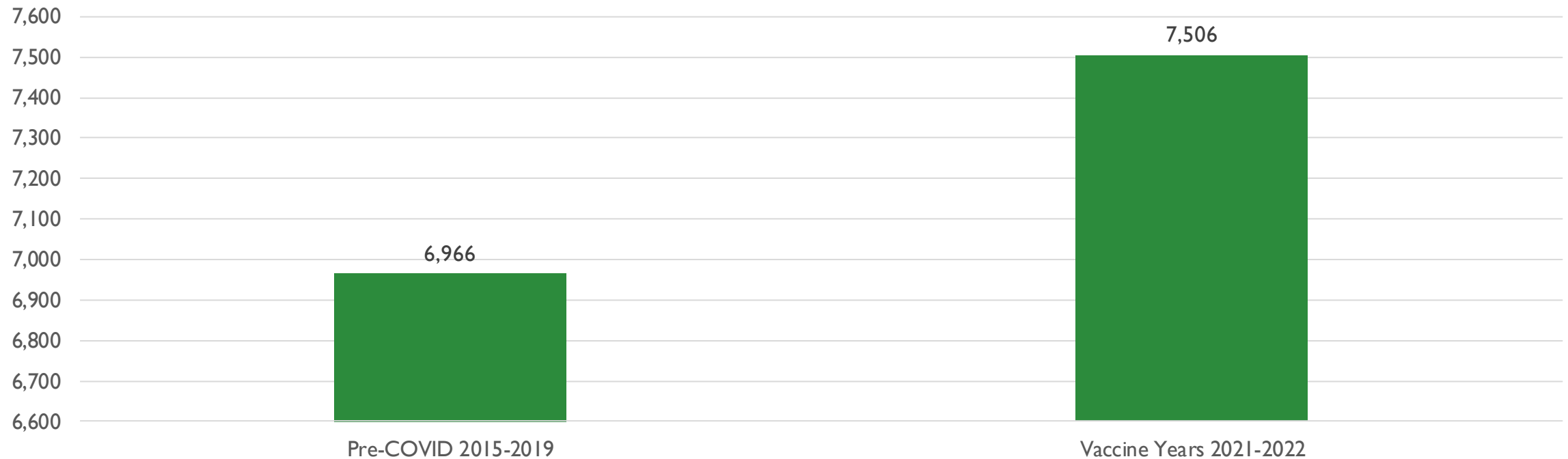
MALE INFERTILITY, OLIGOSPERMIA, AZOOSPERMIA (OHIP CODE 606)

Male Infertility - Avg. Distinct Patients, Pre-COVID vs. Vaccine Years



ACUTE OR CHRONIC SALPINGITIS, OOPHORITIS OR ABSCESS, PELVIC INFLAMMATION DISEASE (OHIP CODE 614)

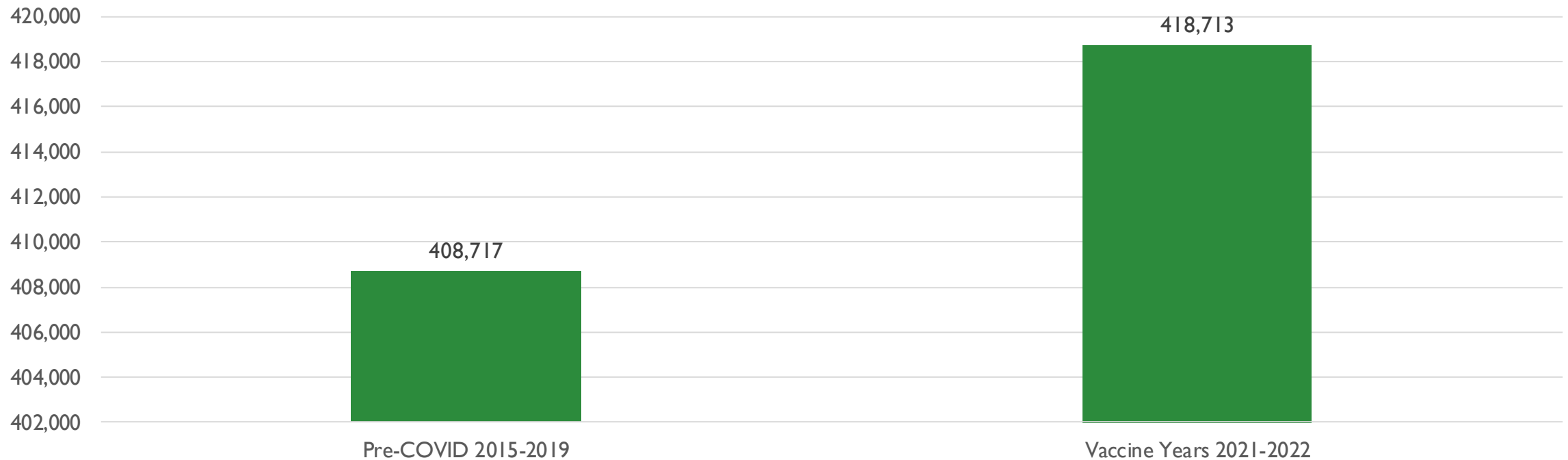
Pelvic Inflammation - Avg. Distinct Patients Per Year, Pre-COVID vs. Vaccine Years



Salpingitis is an infection causing inflammation in the fallopian tubes. Oophoritis is an inflammation of the ovaries.

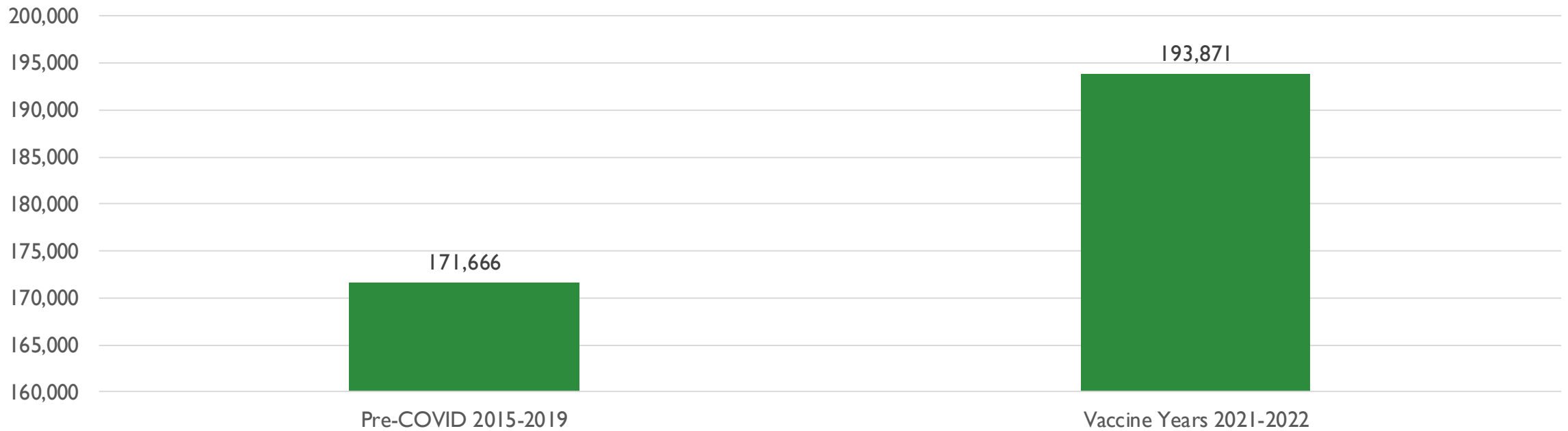
DISORDERS OF MENSTRUATION (OHIP CODE 626)

Disorders of Menstruation - Avg. Distinct Patients Per Year, Pre-COVID vs. Vaccine Years



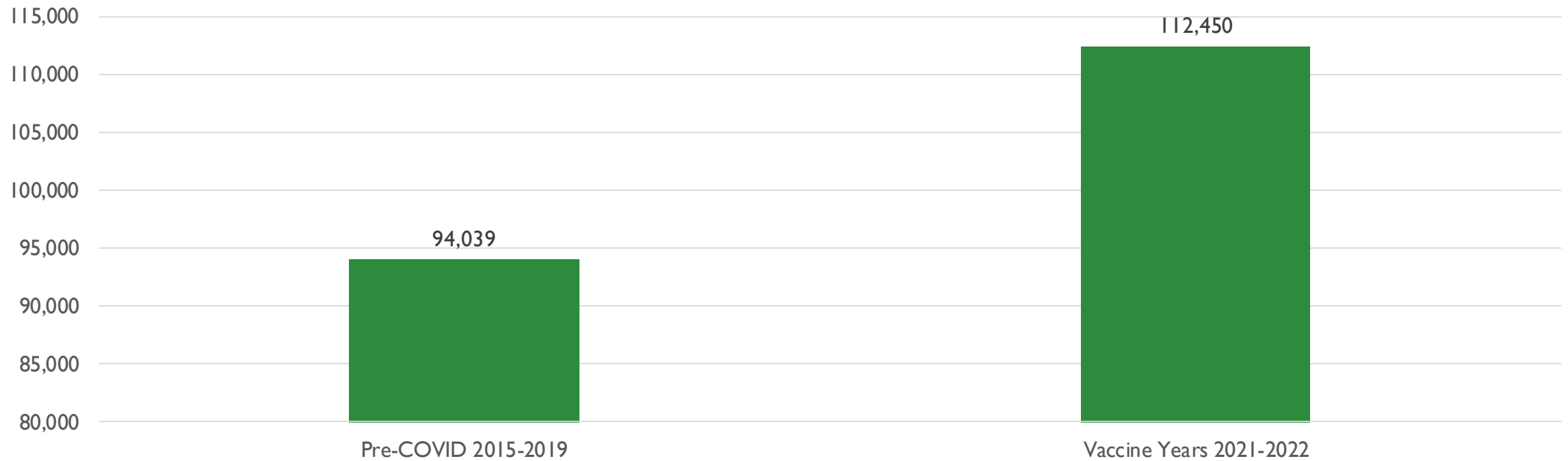
MENOPAUSE, POST-MENOPAUSAL BLEEDING (OHIP CODE 627)

Menopause/Post-Menopausal Bleeding – Avg. Distinct Patients Per Year, Pre-COVID vs. Vaccine Years



INFERTILITY (OHIP CODE 628)

Infertility - Avg. Distinct Patients Per Year, Pre-COVID vs. Vaccine Years



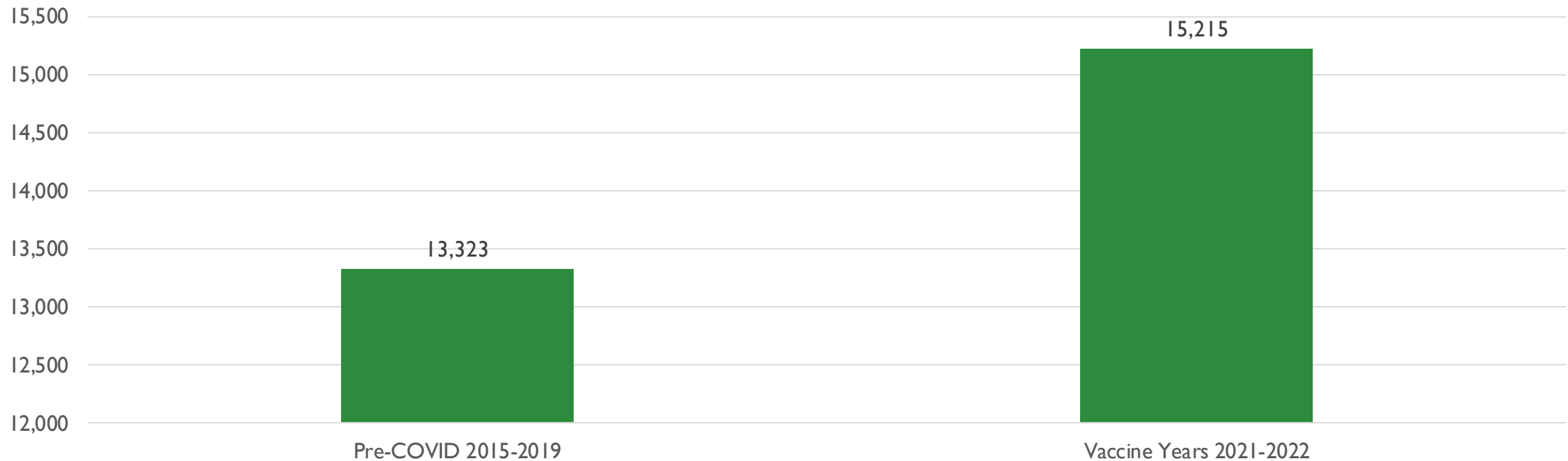
OTHER DISORDERS OF FEMALE GENITAL ORGANS (OHIP CODE 629)

Other Disorders of Female Genital Organs - Avg. Patients Per Year, Pre-COVID vs. Vaccine Years



MISSED ABORTION (OHIP CODE 632)

Missed Abortions - Avg. Distinct Patients Per Year, Pre-COVID vs. Vaccine Years



A missed abortion, also known as a missed miscarriage or spontaneous abortion, is a miscarriage in which the fetus did not form or is no longer developing, but the placenta and embryonic tissues are still in the mother's uterus.

INCOMPLETE ABORTION, COMPLETE ABORTION (OHIP CODE 634)

Incomplete Abortion, Complete Abortion - Avg. Distinct Patients Per Year, Pre-COVID vs. Vaccine Years



An incomplete abortion is when some products are held back in the uterus after a miscarriage. In a complete abortion, products of conception have passed and the cervix is closed.