

# **The New Perinatal Data Registry and How It Can Improve Patient Care**

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# What is the PDR?

The Perinatal Data Registry is a comprehensive repository of perinatal data utilized for improving maternal, fetal and neonatal health.



# Quick History

**1994**

Perinatal Registry created to address a lack of provincial data in the province

**2000**

Full provincial data collection achieved

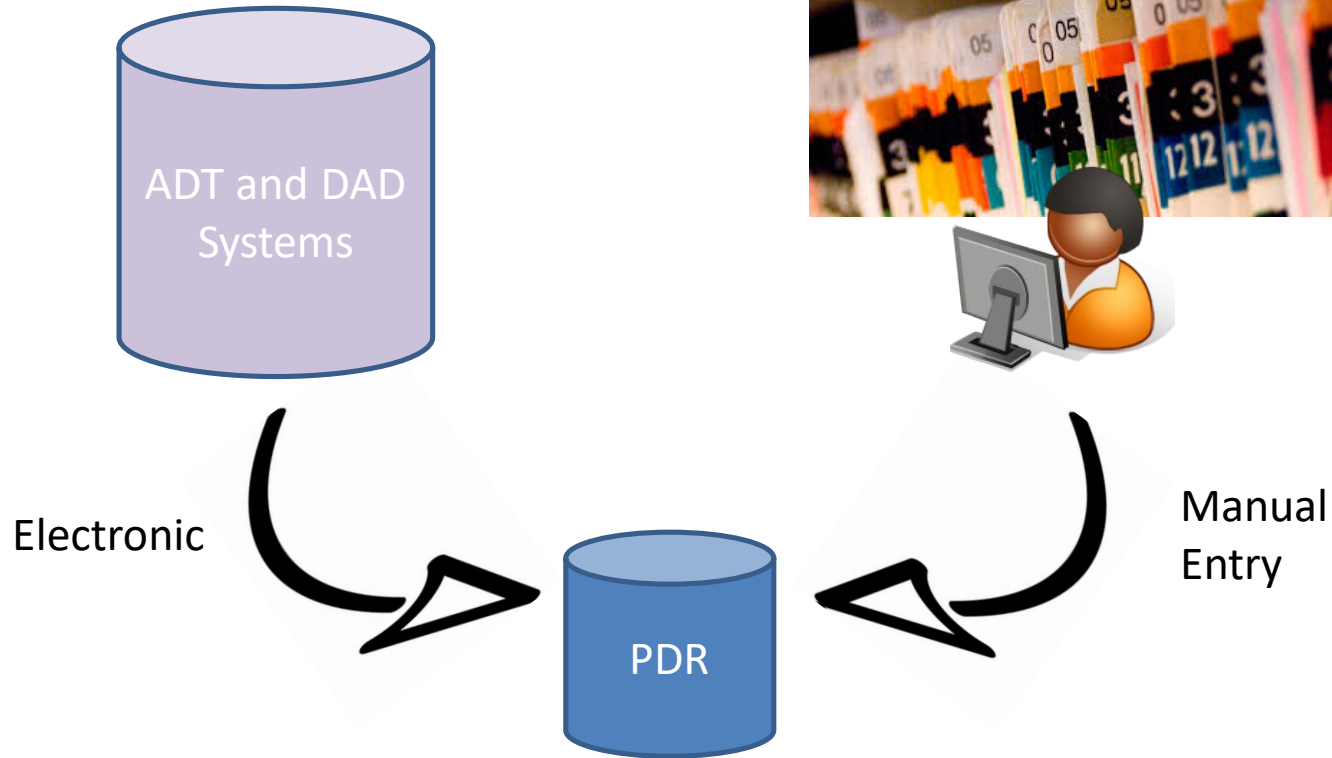
**2020**

New Perinatal Data Registry

# Scope of Data Collection

- Delivery admissions resulting in a live birth or a stillbirth
- Maternal postpartum admissions
- Newborn admission, transfers and readmissions
- Homebirths by a registered midwife

# How Does Data Get Into The PDR?



# PDR Data Quality

- Standardized Data from Provincial Perinatal Forms
- Routine data quality checks with Hospital HIM coders

# Who Uses PDR Data?

- Provincial and National
  - Public Health Agency of Canada
  - Canadian Perinatal Program Coalition
  - BC Ministry of Health
  - Health Authorities
  - Universities
- Policy, Planning, Quality Improvement, Practice Assessments, Guidelines, Surveillance, Research



# PSBC Projects

- PHAC and CPPC
  - National Cannabis Study
    - Enhance Cannabis Surveillance
- First Nations Health Authority
  - Indicator development focusing on the First Nations population



# PSBC Indicators

<http://www.perinatservicesbc.ca/health-professionals/data-surveillance/surveillance>

Surveillance

Not secure | perinatservicesbc.ca/health-professionals/data-sur...

Apps Interests Misc Social BusinessTaxes Recipe Realty Kyler TD


Menu

Health Professionals / Data & Surveillance / Surveillance

SHARE

## Surveillance

The Surveillance team provides ongoing systematic analysis and interpretation of perinatal data in the process of describing and monitoring trends in perinatal health in BC. Working closely with the Information Systems team, we provide health care providers, policy makers, planners, administrators, and researchers with timely, relevant and quality data to improve maternal-fetal and newborn outcomes, as well as to facilitate systems planning, guide decision making, and enhance knowledge generation and translation.



For a list of indicators that we report on, please see the [Indicators Index](#).

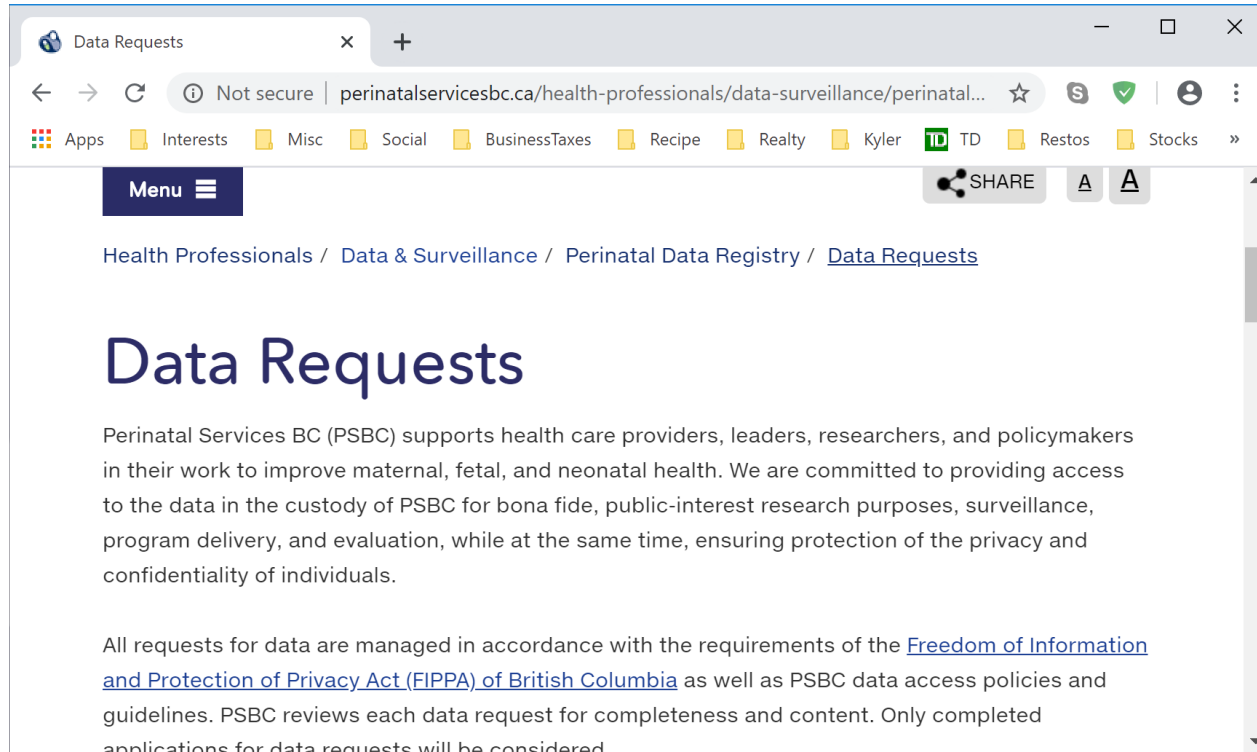
Learn more about [Giving Birth in BC](#) through our interactive platform.

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Facility-Level Indicators	+
Perinatal Health Reports	
Fact Sheets	
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Births by Facility	
Deliveries by Provider Type	
Deliveries by Maternal Residence	

# Requesting Data

<http://www.perinataleservicesbc.ca/health-professionals/data-surveillance/perinatal-data-registry/data-requests>



# Types of Data Requests

- Aggregate
  - Health Authority Requests vs Provincial
- Research
  - Population Data BC
  - Women's Health Research Institute
  - BCCDC
- Special Reports and Analysis

# Data Sharing and Linkages

- BC Vital Statistics Agency
- BC Coroners Service
- BC Centre for Disease Control
- Blood Coordinating Office
- Regional Health Authorities
- First Nations Health Authority
- Population Data BC
- Data Innovation Program
- Ministry of Health



**NEW**

# Web-based System

- Scalable to accommodate changes to the core dataset and future data collection requirements
- Meet privacy and security standards
- Overcome technical obsolescence





DASHBOARD

IMPORTS



CHART NUMBER



Advanced Search

H000230880 : CLEAVER, JUNE

Save Record

## ADMISSION AND DISCHARGE INFORMATION

## Admitted

17-FEB-2020 05:43

## Discharged

18-FEB-2020 17:50

## DEMOGRAPHIC INFORMATION

Cleaver, June

## Chart Number

H000230880

## PHN

9065684816

## DOB

10-JUN-1980

## Surname at Birth

## Given Name Alias

## Surname Alias

## Linked Patients

1 RELATIVE

## WARNINGS

Delivery

CIHI - MOTHER

## ANTENATAL

School Years Completed

20

\* Gravida

1

Term

24

Preterm

12

Induced Abort

0

Spont Abort

0

Living

0

Previous C/S

0

Previous Vag.

1

\* IVF

☐ Yes☐ No☒ Unk

Last Menstrual Period Date

dd-mmm-yyyy

1st U/S Date [&lt;20 Weeks]

dd-mmm-yyyy

GA in Weeks

GA in Days

Prepreg. Wt [Kg]

Admission Wt [Kg]

Height [cm]

1st Contact Date

dd-mmm-yyyy

# Antenatal Visits

\* Total Prior Admissions

1

\* Maternal/Fetal Level of Service

Normal

Risks

# What Can We Do With The New PDR?

- Update core data fields in alignment with the new perinatal forms
- Acquire new electronic data sources to eliminate dual entry and manual data collection
- Improve data timeliness



# Future Data Usage

- Liberate the data for shared analytics use
- Provide data to other Registries and clinical systems through direct data feeds







# Questions?

[Kder@phsa.ca](mailto:Kder@phsa.ca)

# Thank You!