

PRODTOX A Powerful Tool for Poison Control Centre & Surveillance Users

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Presentation Outline:

- Project Background
- Poison Control Centre Tools
 - General Search
- Surveillance Tools:
 - Clinical Cases Count
 - Predefined Reports
 - Ad Hoc Queries
- Questions





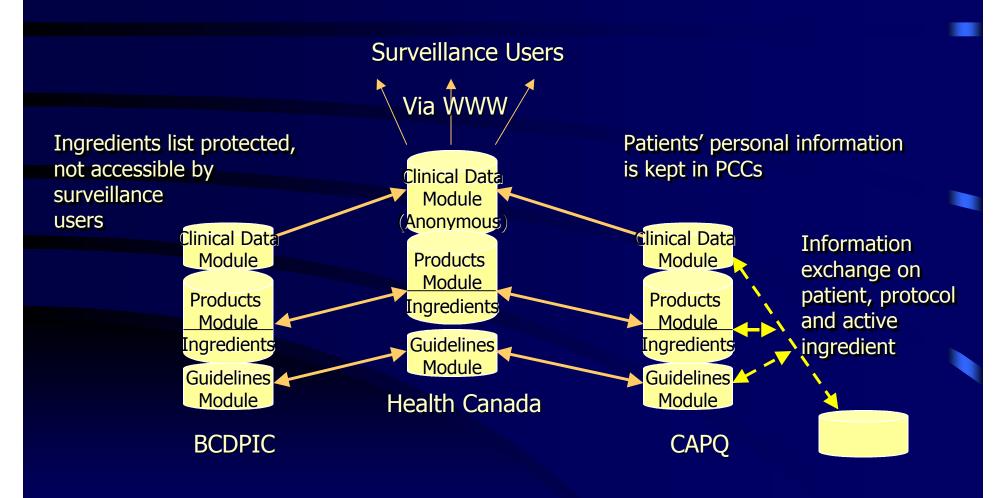
- In Canada, injuries (which includes poisonings) cost \$14.3 billion/year it is the 3rd largest contributor to the total cost of illness (after cardiovascular and musculo-skeletal diseases);
- Unintentional poisonings is the 3rd leading cause of hospitalization for injuries for children and youth, after traffic injuries and suicide attempts; and
- Approximately 100,000 Canadian children and youth under the age of 15 fall victim to poisoning every year.



What is ProdTox?

- A Pilot web-based network being developed to monitor, prevent and reduce injury hazards in the area of poisonings;
- A Pilot web-based network linking databases of:
 - •1st the Centre Anti-Poison du Québec (CAPQ) and the B.C. Drug and Poison Information Centre (BCDPIC); and
 - 2nd all Canadian Poison Control Centres.

ProdTox Pilot Model







Provide or improve:

- National surveillance capacity in area of intentional and unintentional poisonings;
- Evidence based decisions for regulatory and prevention programs;
- Alert system for poisoning outbreaks;
- Quality of interventions by PCCs and ERs; and
- Canadian health network (by contributing to security, privacy, IP, business intelligence tools, and other issues).



What ProdTox Is Trying To Fix (1):

- Lack of national data on acute poisonings, resulting in inability of public health professionals to undertake surveillance activities related to regulatory, prevention and information programs;
- Little communication and exchange of knowledge/ intelligence between Canadian PCCs (e.g. standardization of processes);





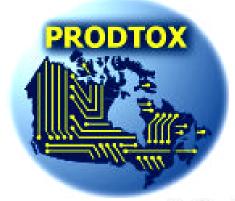
- Lack of information on new Canadian products resulting in risks of inappropriate treatments being provided to patients suffering from acute poisonings;
- Increasing inability of PCCs (especially smaller ones) to cope with growing demands for resource-intensive quality advisory services;
- Lack of public information on acute poisonings.

A Bilingual System



Canada

Réseau des données des risques reliées aux produits Product Related Risk Data Network



Déni de responsabilité :

Les données du projet pilote ProdNet ne sont utilisées que pour des fins d'évaluation seulement et ne peuvent servir à formuler des diagnostics ou à traiter des patients. Certaines de ces données sont incomplètes et n'ont pas été validées.

Français

ProdNet disclaimer:

The ProdNet Pilot data is to be used only for evaluation purposes and shall not be used for diagnosis or treatment of patients. The data has not been verified for accuracy and is incomplete.

English



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ProdTox Main Menu





PCC Tools



Surveillance Tools



Discussion Forums



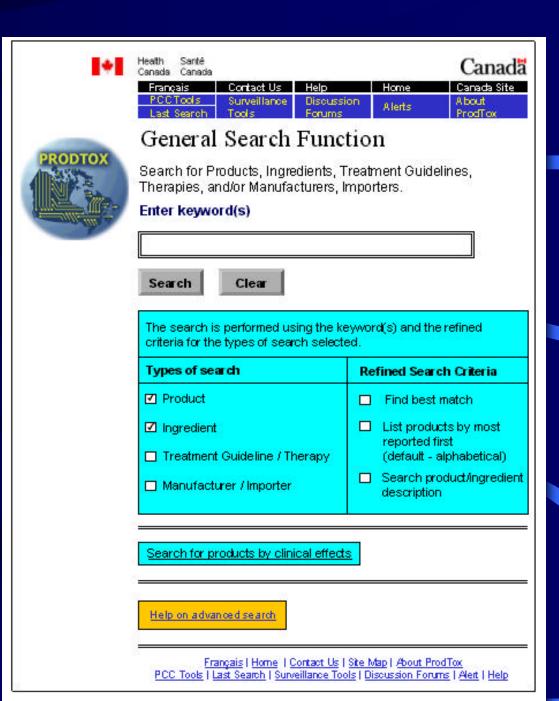
Alerts

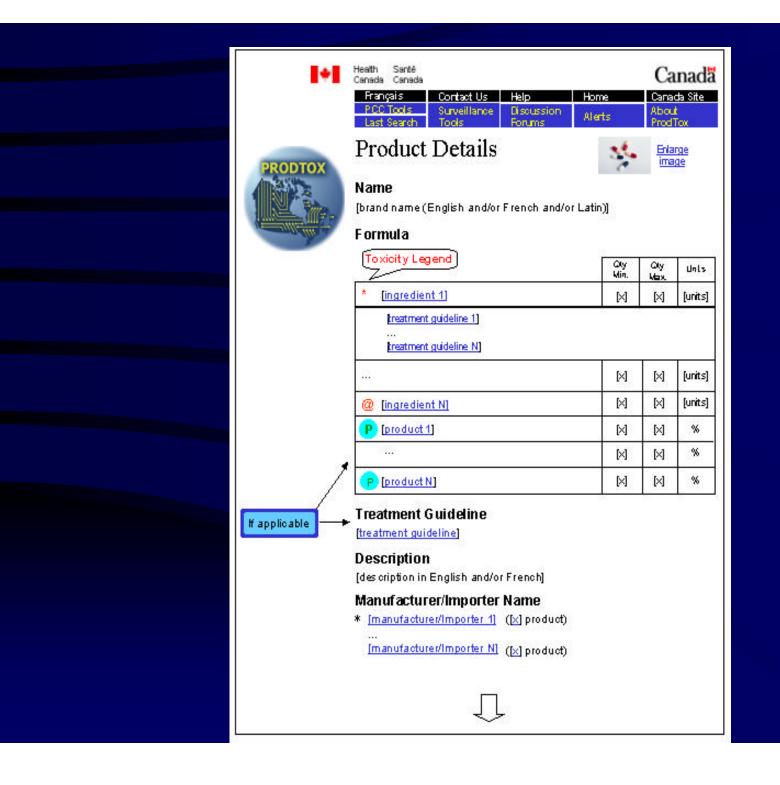


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PCC TOOLS





Chemical and Physical Properties

[physical properties such as pH]

Registration Number

[DIN, PCP no., chemical or household no.][ex. DIN:#####, PCP: #####] May have more than one number

Classification/Usage

[Pharmaceutical or Non-Pharmaceutical Classification Code] May have more than one classification code.

[Us age notes]

Notes

[General notes]

Last Update

[Date when product information was last updated]

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Ingredient Details

Name

[name of ingredient]

Treatment Guideline

[treatment guideline 1]

...

[treatment guideline N]

Products

[x products]

CAS Number

[ingredient CAS number]

UN

[ingredient universal number]

Classification code

[Pharmaceutical or Non-Pharmaceutical Code]

Chemical and Physical Properties

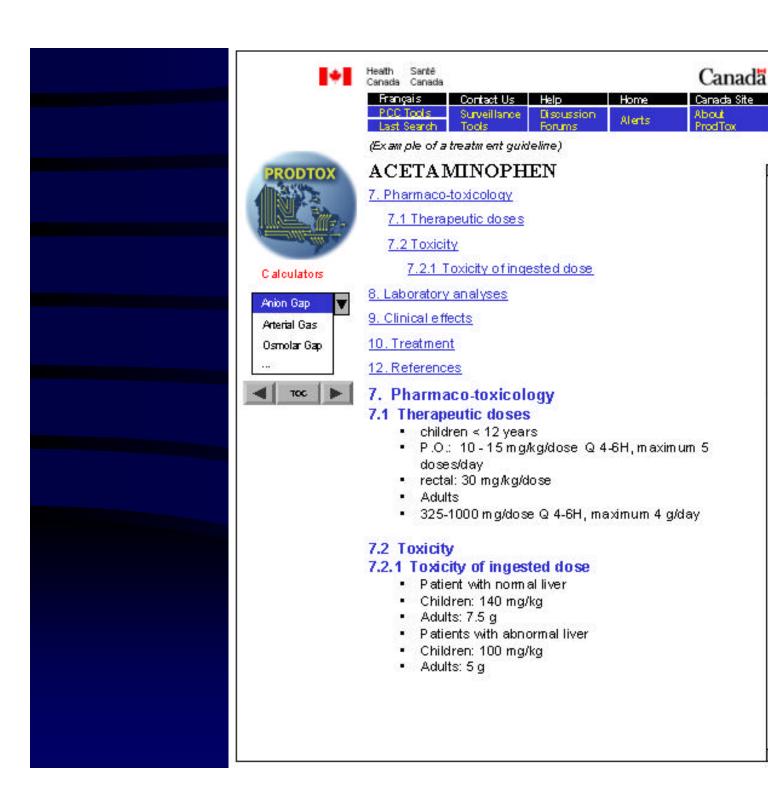
[ingredient physical properties and in many cases, the chemical formula]

Notes

[general notes in English and/or French]

Last Update

[date when ingredient information was last updated]





Health

Santé



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Manufacturer/Importer Details

Manufacturer/Importer Name

[name of manufacturer or importer]

Primary Contact

[name and title of primary contact]

[phone number]

[cellular number]

[fax number]

[email address]

Secondary Contact

[name and title of secondary contact]

[phone number]

[cellular number]

[fax number]

[email address]

Address

[address of manufacturer or importer]

Products

[x] products are stored on the ProdTox system from the manufacturer/Importer that could cause a poison exposure.

Web Site

[web site of manufacturer/Importer and/or division if available]

Last Update

[date when manufacturer/importer information was last updated]

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Main Surveillance Tools

- Clinical Cases Scan
- Predefined Reports
- Ad Hoc Queries



Clinical Cases:

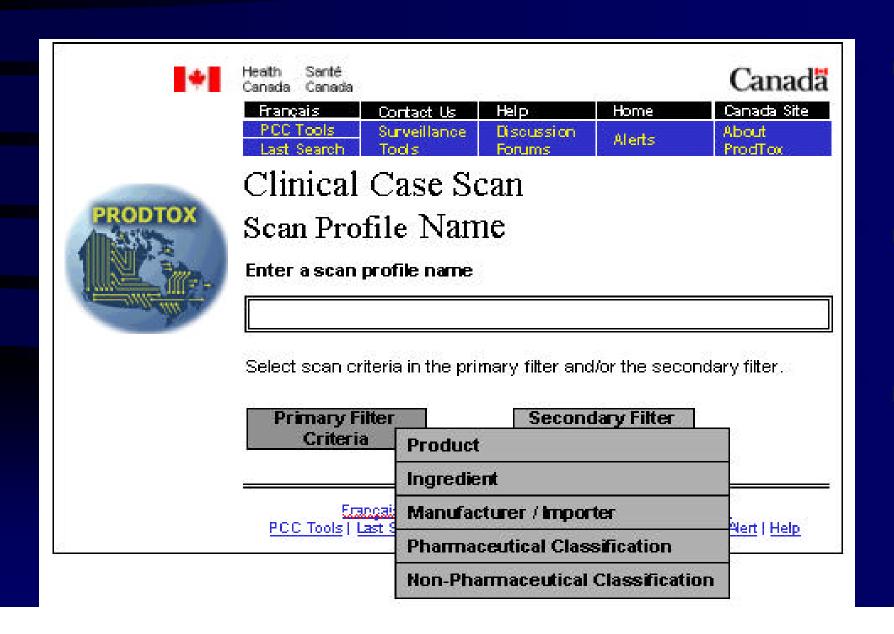
Clinical Case (or Poison Exposure Case) contains the following information:

- Patient Age
- Gender
- Reason for Exposure
- Route of Exposure
- Exposure Substance
- Exposure date and time
- Site of exposure
- Pregnancy duration*
- Post ingestion time

- Chronicity
- Clinical Effects
- Treatment location
- Treatment
- Medical Outcome
- Packaging information *
- CAP/Province/Region / Municipality
- Postal locator* (3 digits)
- * Optional

ProdTox

Clinical Cases Scan



Clinical Case Scan



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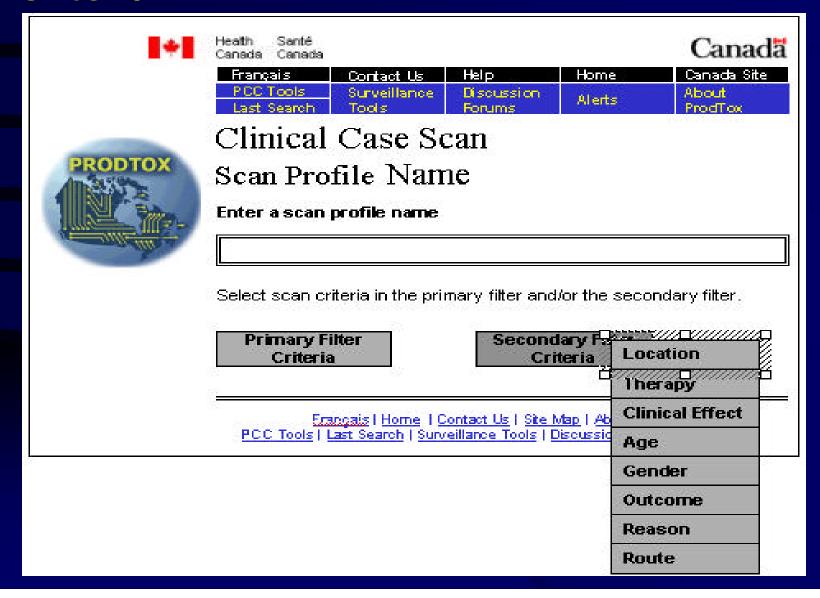


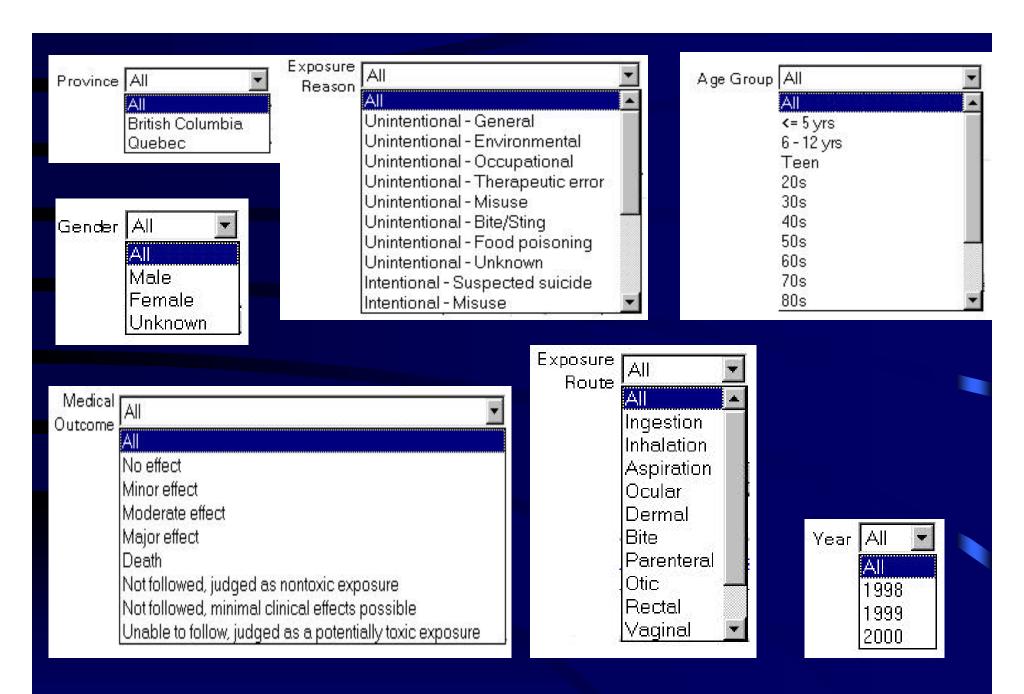
Clinical Case Scan Scan Profile

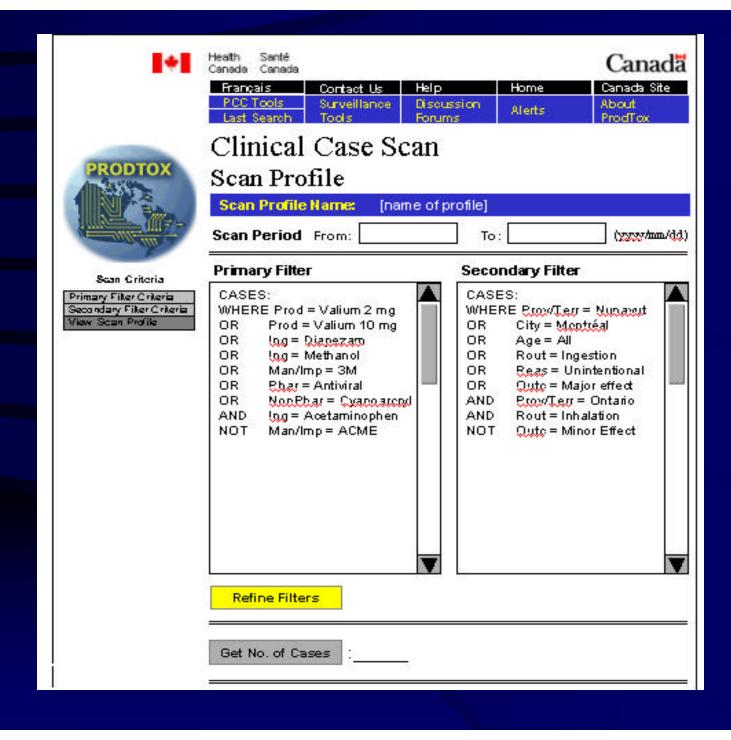
Selectione or many products that match your criteria and submit to select the secondary criteria

- ☐ ATIVAN INJ 4MG/ML
- ▼ ATIVAN SUBLINGUAL TABLETS 0.5MG
- ▼ ATIVAN SUBLINGUAL TABLETS 1MG
- ▼ ATIVAN SUBLINGUAL TABLETS 2MG
- ☐ A TIVAN TAB 0.5MG DISCONTINUED
- ☐ A TIVAN TABIO.5MG SUBLIDISCONTINUED
- ☐ ATIVAN TAB 1MG DISCONTINUED
- ☐ A TIVAN TAB 1MG SUBL DISCONTINUED
- ☐ ATIVAN TAB 2MG DISCONTINUED
- ✓ A TIVAN TAB 2MG SUBL
- ✓ A TIVAN TABLETS 0.5MG
- ▼ ATIVAN TABLETS 1MG

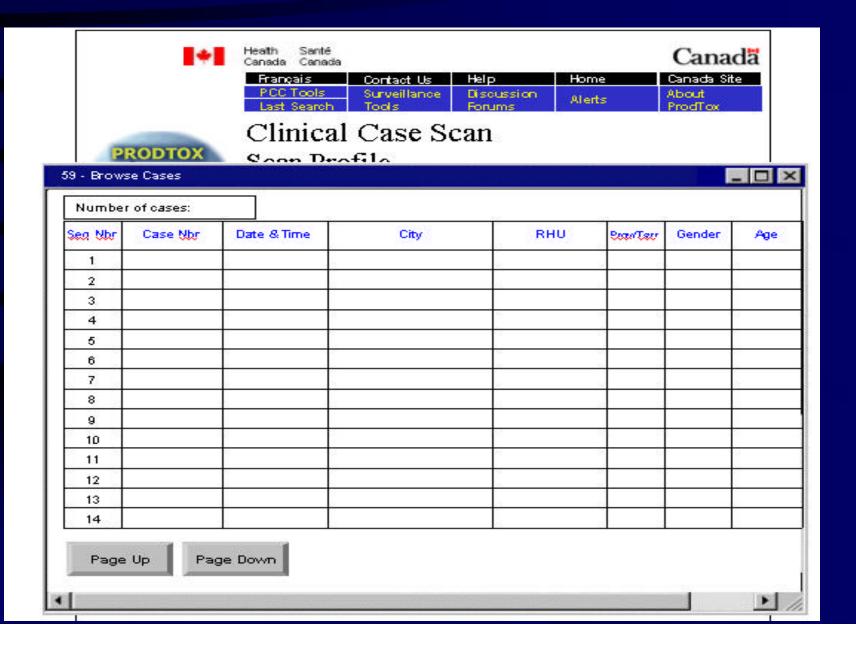
Clinical Cases Count — Secondary Criteria



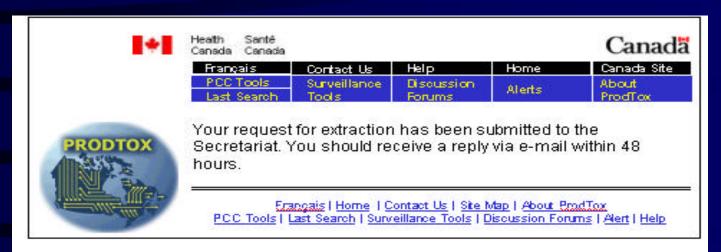




Clinical Cases Scan - Result



Clinical Cases Scan - Download



Sample e-mail reply by Secretariat

Subject: re: Request for extraction

Date: 2001/11/13 10:08:31 -0500

From: ProdTox_Secretariat@hc-sc.gc.ca

Organisation: Health Canada - ProdTox Project

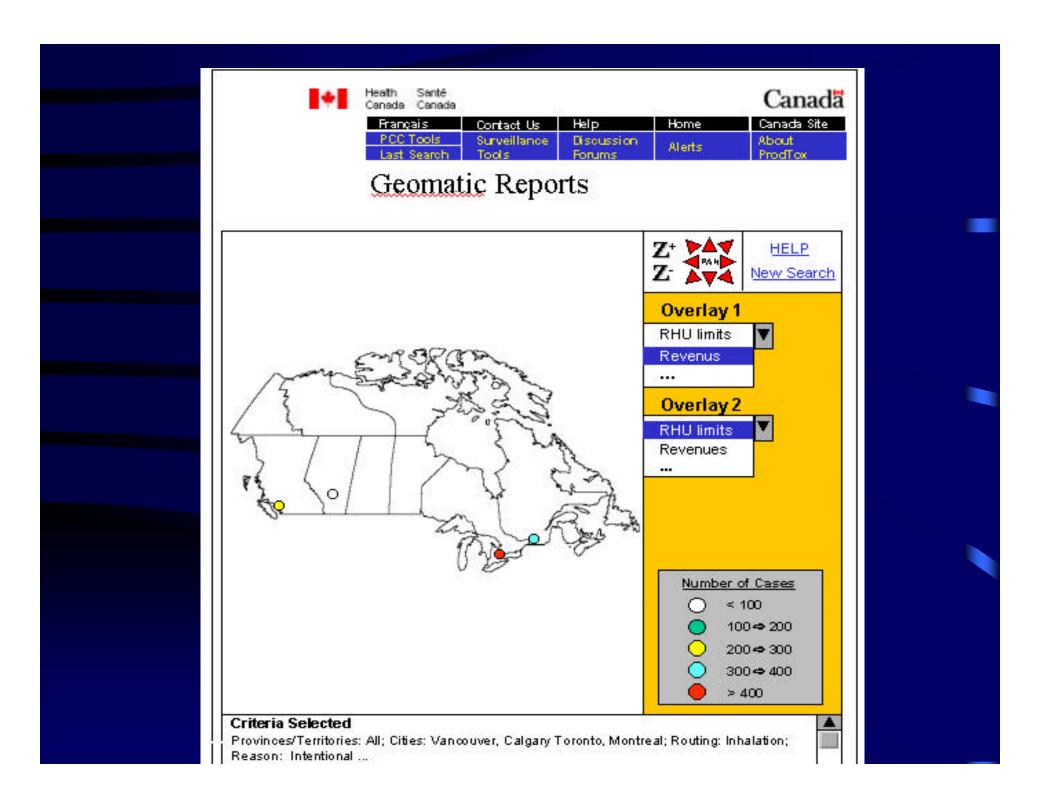
To: john_doe@somewhere.ca

Your request for extraction has been accepted. You can

download the file by clicking on the following URL:

www.prodtox.net/extract/...

ProdTox Secretariat



Predefined Reports





Predetermined Reports

To view a report, select a report name, a province and a year and then click on View Report.

The report for the current year contains cumulative data since the beginning of the year and is regenerated at the end of each month.

All reports are generated in PDF format. If you do not have Acrobat Reader, please download the Acrobat Reader by clicking on the Acrobat icon at the bottom of this web page.

Age and Gender Distr	ibution of Hu	man Poison Exposure Cases	
Reason for Human P	oison Exposu	ire Cases	
Distribution of Reaso	n for Human	Poison Exposure by Age	
Therapy Provided in	Human Expo:	sure Cases	
10			
6	465700	600	
All Provinces	▼	2000	•
All Provinces British Columbia	▼	2000 1999	V
		- Marcon 1	•

View Report



Health Canada - NHSI / ProdNet Pilot Project Age and gender Distribution of Human Poison Exposure Cases

1998 Annual Report

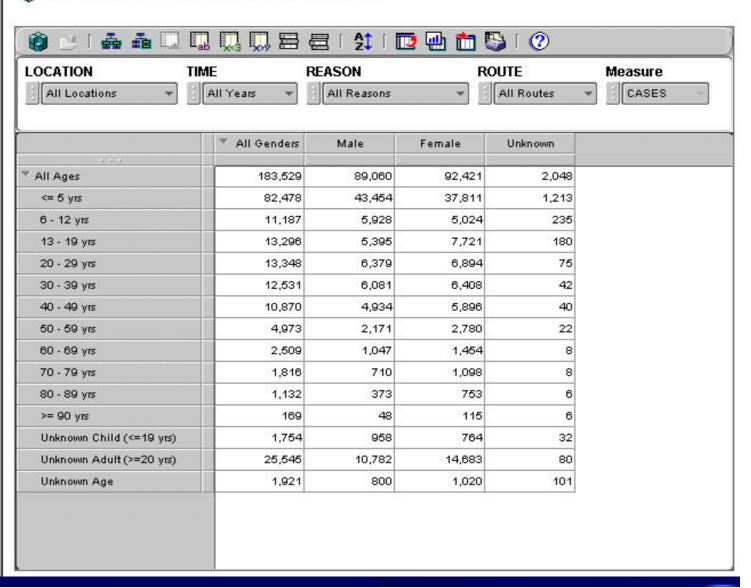
Ago (ur)	Male	Male		Female		Unknown			Cumulative Total	
	No.	Row %	No.	Row %	No.	Row %	No.	Col %	No.	Col %
<1	961	49.0	871	44.4	128	6.5	1,960	2.8	1,960	2.8
1	5,489	51.5	4,955	46.5	206	1.9	10,650	15.4	12,610	18.2
2	5,949	52.3	5,200	45.7	227	2.0	11,376	16.4	23,986	34.6
3	3,677	52.4	3,214	45.8	132	1.9	7,023	10.1	31,009	44.8
4	1,671	53.4	1,417	45.2	44	1.4	3,132	4.5	34,141	49.3
5	881	52.7	750	44.8	42	2.5	1,673	2.4	35,814	51.7
Unknown child <= 5	0	0.0	0	0.0	0	0.0	0	0.0	35,814	51.7
6-12	2,974	52.4	2,558	45.1	144	2.5	5,676	8.2	41,490	59.9
13-19	2,607	39.7	3,836	58.4	120	1.8	6,563	9.5	48,053	69.4
Unknown child	0	0.0	0	0.0	0	0.0	0	0.0	48,053	69.4
Total children (<20)	24,209	50.4	22,801	47.4	1,043	2.2	48,053	69.4	48,053	69.4
20-29	2,810	47.5	3,051	51.6	49	0.8	5,910	8.5	53,963	77.9
30-39	2,747	49.5	2,776	50.0	27	0.5	5,550	8.0	59,513	85.9
40-49	1,778	44.8	2,178	54.8	16	0.4	3,972	5.7	63,485	91.7
50-59	905	42.0	1,232	57.2	16	0.7	2,153	3.1	65,638	94.8
60-69	453	42.0	621	57.6	5	0.5	1,079	1.6	66,717	96.3
70-79	308	40.6	447	58.9	4	0.5	759	1.1	67,476	97.4
80-89	150	33.1	298	65.8	5	1.1	453	0.7	67,929	98.1
>= 90	23	28.8	52	65.0	5	6.3	80	0.1	68,009	98.2
Unknown adult	0	0.0	0	0.0	0	0.0	0	0.0	68,009	98.2
Total adults	9,174	46.0	10,655	53.4	127	0.6	19,956	28.8	68,009	98.2
Unknown age	498	39.7	691	55.1	66	5.3	1,255	1.8	69,264	100.0
Total	33,881	48.9	34,147	49.3	1,236	1.8	69,264	100.0	69,264	100.0

Ad Hoc Queries



- Health Surveillance
- ProdNet Java Table
 View
- ProdNet Java Graph
 View
- ProdNet HTML
 Table View
- RETURN TO PRODNET

🌓 Health Surveillance: ProdNet Java Table View





	₹ 2000	▼ Q1 2000	JAN 2000	FEB 2000	MAR 2000	▶ Q2 2000
e(e(e)						
All Ages	20,587	16,439	6,151	5,842	4,446	2
<= 5 yrs	8,427	6,810	2,606	2,512	1,692	1
6 - 12 yrs	938	723	252	241	230	
13 - 19 yrs	1,245	1,001	352	350	299	
20 - 29 yrs	1,494	1,209	460	418	331	
30 - 39 yrs	1,426	1,124	428	381	315	
40 - 49 yrs	1,624	1,387	557	573	257	
50 - 59 yrs	603	467	161	154	152	
60 - 69 yrs	301	223	82	79	62	
70 - 79 yrs	211	166	61	62	43	
80 - 89 yrs	135	106	35	39	32	
>= 90 yrs	21	15	3	6	6	
Unknown Child (<=19 yrs)	243	196	77	65	54	
Unknown Adult (>=20 yrs)	3,800	2,921	1,052	928	941	
Unknown Age	119	91	25	34	32	

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DIMENSIONS



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Year Quarter Month

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Location

Ad Hoc Queries

Province Region City

Reason

Unintentional General Environmental etc.

Intentional

Suspected suicide Bite

Misuse etc.

Other

Contamination Malicious

Adverse reaction

Drug Food etc.

Route

Ingestion Inhalation **Aspiration** Ocular Dermal Parenteral Otic Rectal Vaginal Other

Unknown

Gender

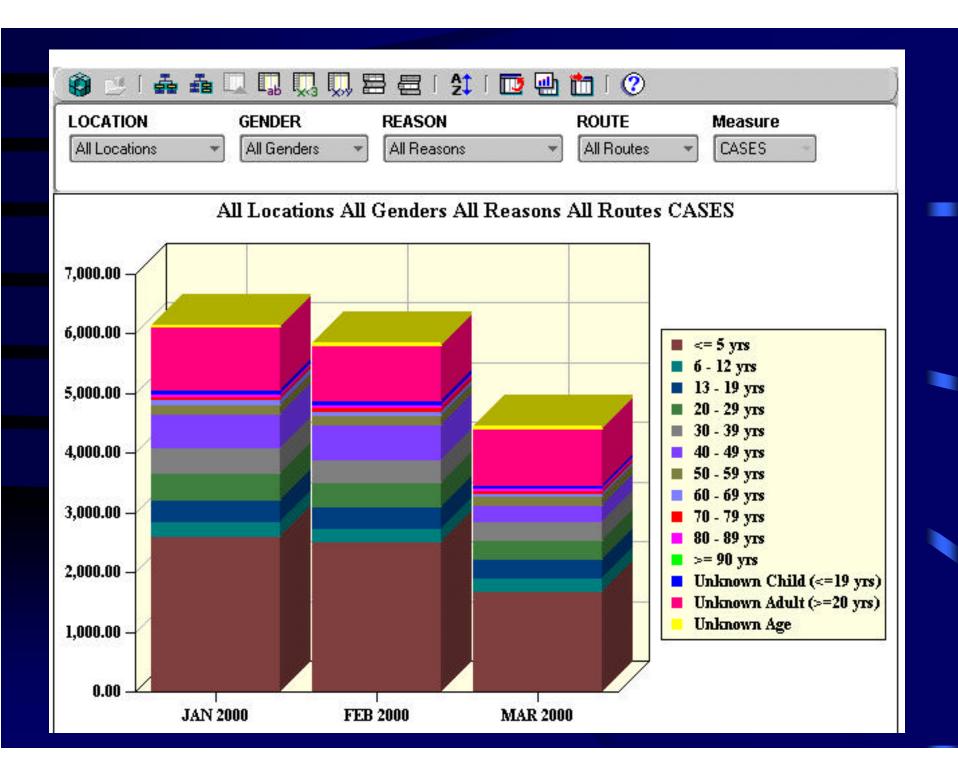
Male Female Unknown

Age

<= 5 yrs 6 - 12 yrs Teen 20s 30s 40s 50s 60s 70s 80s >= 90 yrs

Unkn Child (<=19 yrs) Unkn Adult (>=20 yrs)

Unkn Age





QUESTIONS?