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# Read Me File - Drug Product Database (DPD) Data Extract - Health Canada

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The Drug Product Database (DPD) system captures information on Canadian human, veterinary, disinfectant, and radiopharmaceutical products approved for use by Health Canada.

This extract contains approved, marketed (active), cancelled (inactivated), and as of September 1, 2017, dormant products in separate files. Although the DPD is a relational database, there is a requirement to provide the data to users in a common format, therefore the data has been extracted into a flat file format. Data values in all files are separated by commas and delimited by double quotes. An entity relationship diagram can be found following this page. The data structure for the approved, marketed, cancelled, and dormant products is the same. The entity relationship diagram is provided at the bottom of this page.

It is recommended to load each set of product files into a separate database to keep the products distinct during querying (e.g., an approved database, a marketed database, a cancelled database, and a dormant database).

It is possible to load all of the product files (e.g., approved, marketed, cancelled and dormant) into one database. To distinguish between the approved, marketed, cancelled, and dormant products, the STATUS field

may be used in queries. The approved products have a status "APPROVED", the marketed products have a status of "MARKETED", the dormant products have a status of "DORMANT", and cancelled products have one of the following "CANCELLED" statuses:

- "CANCELLED POST MARKET"
- "CANCELLED PRE MARKET"

## Company Information

In the DPD, a product may have several companies associated with them. Each product will have a DIN Owner associated with it. If a DIN Owner has designated another company to receive their mailing, their name and address will also be included and can be identified with a "Y" flag in the ADDRESS\_MAILING\_FLAG field.

The company contact information is not included in the extract (ATTENTION\_TO, LANGUAGE, TELEPHONE\_NUMBER, FAX\_NUMBER, EMAIL\_ADDRESS). The contact information in the database is generally a representative from the Regulatory Affairs department. It has come to our attention that some users are contacting these individuals to make general inquiries, we would like to recommend not doing so.

## Approved Products

The files included in the zipped file for approved products are as follows:

- comp\_ap.txt QRYM\_COMPANIES
- drug\_ap.txt QRYM\_DRUG\_PRODUCT
- form\_ap.txt QRYM\_FORM
- ingred\_ap.txt QRYM\_ACTIVE\_INGREDIENTS
- package\_ap.txt QRYM\_PACKAGING

- pharm\_ap.txt QRYM\_PHARMACEUTICAL\_STD
- route\_ap.txt QRYM\_ROUTE
- schedule\_ap.txt QRYM\_SCHEDULE
- status\_ap.txt QRYM\_STATUS
- ther\_ap.txt QRYM\_THERAPEUTIC\_CLASS
- vet\_ap.txt QRYM\_VETERINARY\_SPECIES
- allfiles\_ap.zip all files above

## Marketed (active) Products

The files included in the zipped file for marketed (active) products are as follows:

- comp.txt QRYM\_COMPANIES
- drug.txt QRYM\_DRUG\_PRODUCT
- form.txt QRYM\_FORM
- ingred.txt QRYM\_ACTIVE\_INGREDIENTS
- package.txt QRYM\_PACKAGING
- pharm.txt QRYM\_PHARMACEUTICAL\_STD
- route.txt QRYM\_ROUTE
- schedule.txt QRYM\_SCHEDULE
- status.txt QRYM\_STATUS
- ther.txt QRYM\_THERAPEUTIC\_CLASS
- vet.txt QRYM\_VETERINARY\_SPECIES
- allfiles.zip all files above

## Cancelled (inactivated) Products

Files containing the same types of information as for marketed (active) products have been added to the Data Extract to identify products that are no longer marketed in Canada. The files included in the zipped file containing information on discontinued (inactivated) products are as follows:

- comp\_ia.txt QRYM\_COMPANIES
- drug\_ia.txt QRYM\_DRUG\_PRODUCT
- form\_ia.txt QRYM\_FORM
- ingred\_ia.txt QRYM\_ACTIVE\_INGREDIENTS
- package\_ia.txt QRYM\_PACKAGING
- pharm\_ia.txt QRYM\_PHARMACEUTICAL\_STD
- route\_ia.txt QRYM\_ROUTE
- schedule\_ia.txt QRYM\_SCHEDULE
- status\_ia.txt QRYM\_STATUS
- ther\_ia.txt QRYM\_THERAPEUTIC\_CLASS
- vet\_ia.txt QRYM\_VETERINARY\_SPECIES
- allfiles\_ia.zip all files above

The file "inactive.txt" which identifies products that are no longer approved or marketed (active) in Canada is still available. The following information fields are included in the file:

- DRUG\_CODE NUMBER (8)
- DRUG\_IDENTIFICATION\_NUMBER VARCHAR2(29)
- BRAND\_NAME VARCHAR2(200)
- HISTORY\_DATE DATE

## Dormant Products

Effective September 1, 2017: Files containing the same types of information as for marketed (active) products have been added to the data extract files to identify products that were previously marketed in Canada but for which the manufacturer has suspended sale for period of at least 12 months. The files included in the zipped file for dormant products are as follows:

- Comp\_dr.txt QRYM\_COMPANIES
- Drug\_dr.txt QRYM\_DRUG\_PRODUCT
- Form\_dr.txt QRYM\_FORM
- ingred\_dr.txt QRYM\_ACTIVE\_INGREDIENTS
- package\_dr.txt QRYM\_PACKAGING
- pharm\_dr.txt QRYM\_PHARMACEUTICAL\_STD
- route\_dr.txt QRYM\_ROUTE
- schedule\_dr.txt QRYM\_SCHEDULE
- status\_dr.txt QRYM\_STATUS
- ther\_dr.txt QRYM\_THERAPEUTIC\_CLASS
- vet\_dr.txt QRYM\_VETERINARY\_SPECIES
- allfiles\_dr.zip all files above

## French Characters

The DPD database currently uses UTF-8 encoding.

## Contact

If you require additional information regarding this data extraction, e-mail: [hc.osip.sys-bppi.sc@canada.ca](mailto:hc.osip.sys-bppi.sc@canada.ca)

## Data Structure for all Products

### QRYM\_ACTIVE\_INGREDIENTS

| Name                         | Null?    | Type           |
|------------------------------|----------|----------------|
| DRUG_CODE                    | NOT NULL | NUMBER(8)      |
| ACTIVE_INGREDIENT_CODE       |          | NUMBER(6)      |
| INGREDIENT                   |          | VARCHAR2(240)  |
| INGREDIENT_SUPPLIED_IND      |          | VARCHAR2(1)    |
| STRENGTH                     |          | VARCHAR2(20)   |
| STRENGTH_UNIT                |          | VARCHAR2(40)   |
| STRENGTH_TYPE                |          | VARCHAR2(40)   |
| DOSAGE_VALUE                 |          | VARCHAR2(20)   |
| BASE                         |          | VARCHAR2(1)    |
| DOSAGE_UNIT                  |          | VARCHAR2(40)   |
| NOTES                        |          | VARCHAR2(2000) |
| INGREDIENT_F <sup>*</sup>    |          | VARCHAR2(400)  |
| STRENGTH_UNIT_F <sup>*</sup> |          | VARCHAR2(80)   |
| STRENGTH_TYPE_F <sup>*</sup> |          | VARCHAR2(80)   |
| DOSAGE_UNIT_F <sup>*</sup>   |          | VARCHAR2(80)   |

## QRYM\_COMPANIES

| Name         | Null?    | Type         |
|--------------|----------|--------------|
| DRUG_CODE    | NOT NULL | NUMBER(8)    |
| MFR_CODE     |          | VARCHAR2(5)  |
| COMPANY_CODE |          | NUMBER(6)    |
| COMPANY_NAME |          | VARCHAR2(80) |
| COMPANY_TYPE |          | VARCHAR2(40) |

| Name                      | Null? | Type          |
|---------------------------|-------|---------------|
| ADDRESS_MAILING_FLAG      |       | VARCHAR2(1)   |
| ADDRESS_BILLING_FLAG      |       | VARCHAR2(1)   |
| ADDRESS_NOTIFICATION_FLAG |       | VARCHAR2(1)   |
| ADDRESS_OTHER             |       | VARCHAR2(1)   |
| SUITE_NUMBER              |       | VARCHAR2(20)  |
| STREET_NAME               |       | VARCHAR2(80)  |
| CITY_NAME                 |       | VARCHAR2(60)  |
| PROVINCE                  |       | VARCHAR2(40)  |
| COUNTRY                   |       | VARCHAR2(40)  |
| POSTAL_CODE               |       | VARCHAR2(20)  |
| POST_OFFICE_BOX           |       | VARCHAR2(15)  |
| PROVINCE_F <sup>*</sup>   |       | VARCHAR2(100) |
| COUNTRY_F <sup>*</sup>    |       | VARCHAR2(100) |

## QRYM\_DRUG\_PRODUCT

| Name                       | Null?    | Type          |
|----------------------------|----------|---------------|
| DRUG_CODE                  | NOT NULL | NUMBER(8)     |
| PRODUCT_CATEGORIZATION     |          | VARCHAR2(80)  |
| CLASS                      |          | VARCHAR2(40)  |
| DRUG_IDENTIFICATION_NUMBER |          | VARCHAR2(29)  |
| BRAND_NAME                 |          | VARCHAR2(200) |
| DESCRIPTOR                 |          | VARCHAR2(150) |
| PEDIATRIC_FLAG             |          | VARCHAR2(1)   |

| Name             | Null? | Type          |
|------------------|-------|---------------|
| ACCESSION_NUMBER |       | VARCHAR2(5)   |
| NUMBER_OF_AIS    |       | VARCHAR2(10)  |
| LAST_UPDATE_DATE |       | DATE          |
| AI_GROUP_NO      |       | VARCHAR2(10)  |
| CLASS_F *        |       | VARCHAR2(80)  |
| BRAND_NAME_F *   |       | VARCHAR2(300) |
| DESCRIPTOR_F *   |       | VARCHAR2(200) |

## QRYM\_STATUS

| Name                | Null?    | Type         |
|---------------------|----------|--------------|
| DRUG_CODE           | NOT NULL | NUMBER(8)    |
| CURRENT_STATUS_FLAG |          | VARCHAR2(1)  |
| STATUS              |          | VARCHAR2(40) |
| HISTORY_DATE        |          | DATE         |
| STATUS_F *          |          | VARCHAR2(80) |
| LOT_NUMBER *        |          | VARCHAR2(50) |
| EXPIRATION_DATE *   |          | DATE         |

## QRYM\_FORM

| Name                | Null?    | Type         |
|---------------------|----------|--------------|
| DRUG_CODE           | NOT NULL | NUMBER(8)    |
| PHARM_FORM_CODE     |          | NUMBER(7)    |
| PHARMACEUTICAL_FORM |          | VARCHAR2(40) |



| Name                    | Null? | Type         |
|-------------------------|-------|--------------|
| PHARMACEUTICAL_FORM_F * |       | VARCHAR2(80) |

## QRYM\_PACKAGING

| Name                  | Null?    | Type         |
|-----------------------|----------|--------------|
| DRUG_CODE             | NOT NULL | NUMBER(8)    |
| UPC                   |          | VARCHAR2(12) |
| PACKAGE_SIZE_UNIT     |          | VARCHAR2(40) |
| PACKAGE_TYPE          |          | VARCHAR2(40) |
| PACKAGE_SIZE          |          | VARCHAR2(5)  |
| PRODUCT_INFORMATION   |          | VARCHAR2(80) |
| PACKAGE_SIZE_UNIT_F * |          | VARCHAR2(80) |
| PACKAGE_TYPE_F *      |          | VARCHAR2(80) |

## QRYM\_PHARMACEUTICAL\_STD

| Name               | Null?    | Type         |
|--------------------|----------|--------------|
| DRUG_CODE          | NOT NULL | NUMBER(8)    |
| PHARMACEUTICAL_STD |          | VARCHAR2(40) |

## QRYM\_ROUTE

| Name                         | Null?    | Type         |
|------------------------------|----------|--------------|
| DRUG_CODE                    | NOT NULL | NUMBER(8)    |
| ROUTE_OF_ADMINISTRATION_CODE |          | NUMBER(6)    |
| ROUTE_OF_ADMINISTRATION      |          | VARCHAR2(40) |
| ROUTE_OF_ADMINISTRATION_F *  |          | VARCHAR2(80) |

## QRYM\_SCHEDULE

| Name         | Null?    | Type          |
|--------------|----------|---------------|
| DRUG_CODE    | NOT NULL | NUMBER(8)     |
| SCHEDULE     |          | VARCHAR2(40)  |
| SCHEDULE_F * |          | VARCHAR2(160) |

## QRYM\_THERAPEUTIC\_CLASS

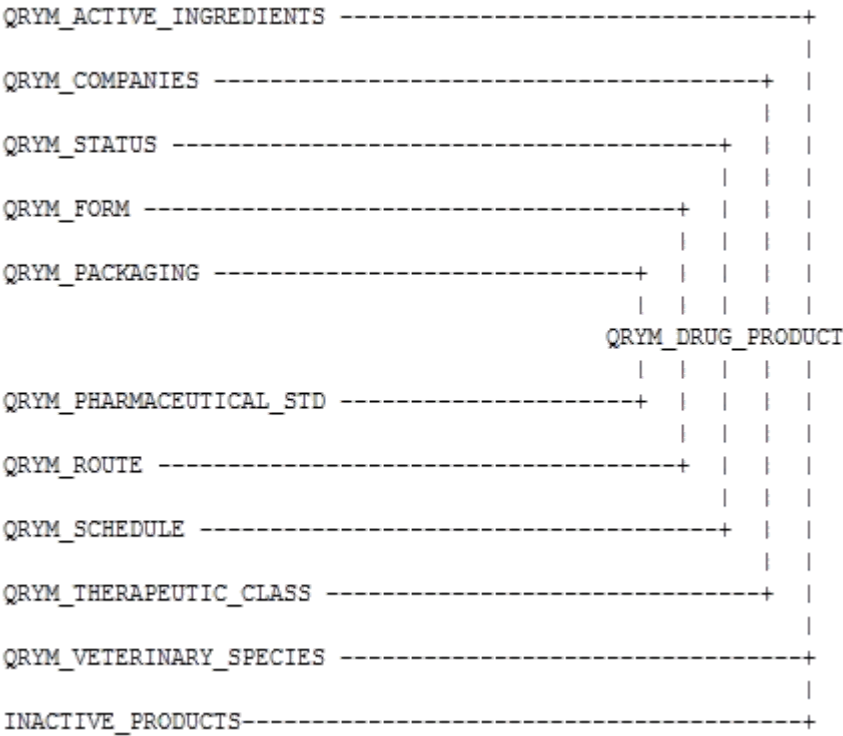
| Name           | Null?    | Type          |
|----------------|----------|---------------|
| DRUG_CODE      | NOT NULL | NUMBER(8)     |
| TC_ATC_NUMBER  |          | VARCHAR2(8)   |
| TC_ATC         |          | VARCHAR2(120) |
| TC_AHFS_NUMBER |          | VARCHAR2(20)  |
| TC_AHFS        |          | VARCHAR2(80)  |
| TC_ATC_F *     |          | VARCHAR2(240) |
| TC_AHFS_F *    |          | VARCHAR2(160) |

## QRYM\_VETERINARY\_SPECIES

| Name            | Null?    | Type          |
|-----------------|----------|---------------|
| DRUG_CODE       | NOT NULL | NUMBER(8)     |
| VET_SPECIES     |          | VARCHAR2(80)  |
| VET_SUB_SPECIES |          | VARCHAR2(80)  |
| VET_SPECIES_F * |          | VARCHAR2(160) |

\*      These fields are available in the new DPD Data Extract files.

# DPD Relationship Diagram



**Date modified:**  
2018-08-24