### DB4EMD

#### **FOREWORD**

The full Gecommentarieerd Geneesmiddelen Repertorium (GGR) / Répertoire Commenté des Médicaments (RCM) is available as a database, currently delivered in a DBF and CSV file format. At each monthly update around the 18th of the month, this database is made available free of charge.

Specific software is needed to be able to use this database as an end-user. This software is not delivered by the BCFI/CBIP.

The database is made available to medical practitioners, pharmacists and other health professionals, as well as to medical software vendors. It is, however, necessary to register online (<a href="http://www.cbip.be/login/index.cfm">http://www.cbip.be/login/index.cfm</a> or <a href="http://www.bcfi.be/login/index.cfm">http://www.bcfi.be/login/index.cfm</a> or to contact us via <a href="mailto:informatique@cbip.be">informatique@cbip.be</a> or <a href="mailto:i

#### **EXPORT FORMATS**

- SQL (Structured Query Language)
- CSV (Comma Separated Values)

#### **GLOSSARY**

Abbreviation	Full name	Description
GGR	Gecommentarieerd Geneesmiddelen Repertorium	The "Gecommentarieerd Geneesmiddelen Repertorium" / "Répertoire Commenté des Médicaments".
HYR	Hierarchy	A table containing the hierarchical nodes in the GGR with their corresponding text body.
MP	Medicinal Product	A medicinal product on brand name level, e.g. "Dafalgan".
MPP	Medicinal Product Package	A medicinal product on package level, e.g. "Dafalgan compr. 30x 500mg".
MPPCV	Medicinal Product Package Code Value	A unique code assigned to a medicinal product package, corresponds to the belgian CNK, e.g. 0039347.
MPPNM	Medicinal Product Package Name	The name of a medicinal product package (MPP) useful for a prescription, e.g. "Dafalgan tab 30x 500mg".
THGRP	Therapeutic Group	Intermediate level between chapter (upper level) and an MPGRP (lower level, see below), e.g. "Alfa-blokkers".
MPGRP	Medicinal Product Group	Lowest hierarchical level. All medicinal products (MPs) belong to an MPGRP, e.g. "Prazosine".
PP	Pharmaceutical Product	A phase of a sequential medicine as for example a contraceptive pill.
IN	Ingredient	An active ingredient, e.g. "paracetamol".
INNM	Ingredient Name	The name of an active ingredient, e.g. "paracetamol".

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#### STRUCTURE OF THE DATABASE

- In both languages, the structure of the database is identical.
- A field that ends on CV (e.g. MppCV, MpCV, HyrCV, GalCV, etc ...) provides a unique identifier for a record; it is the
  primary key of the table. These CV values are always unique and are never recycled. With the exception of MPPCV and
  INNCV having 7 characters, all fields named with CV are 5 characters long. They contain leading zeros when necessary.
- A field that ends on an underscore character ("\_") indicates that this field is redundant. It is provided to facilitate the readability and recognition of the records, but is not intended to be shown in applications. For example, in the SAM table the short version of the package name is found in the field Mppnm\_ of the table MPP.
- The primary keys are put first in column order in this documentation due to a software limitation, but the order may differ in some files (like in the SAM table for example).

#### IR

This table contains the entities that are responsible for the information about the MPs. This can be the marketing authorisation holder, a Belgian representative of the marketing authorisation holder or a Belgian distributor.

Column	Туре	PK	Nullable
IRCV (PK)	VARCHAR(5)	PK	NOT NULL
Primary key.			
NIRNM	VARCHAR(50)		NOT NULL
Name of the responsible for the information. This can be the marketing authorisation holder, a Belgian representative of the marketing authorisation holder or a Belgian distributor. Dutch name.			
FIRNM	VARCHAR(50)		NOT NULL
Name of the responsible for the information. This can be the marketing authorisation holder, a Belgian representative of the marketing authorisation holder or a Belgian distributor. French name.			
Pip	BOOLEAN		
True if refers to a parallel import company.			
Amb	BOOLEAN		
True if present in the actual version of the ambulant medicinal product package set.			
Hosp	BOOLEAN		
True if <u>only</u> present in the actual version of the hospital medicinal product package set.			

#### REFERENCED BY:

MP REFERENCING (IRCV)

## GAL

The GAL table contains the galenic terms (NL and FR) for medication package

Column	Туре	PK	Nullable
GalCv (PK)  Primary key.	VARCHAR(5)	PK	NOT NULL
NGaINM Galenic name in Dutch.	VARCHAR(100)		
FGaINM  Galenic name in French.	VARCHAR(100)		
Amb  True if present in the actual version of the ambulant medicinal product package set.	BOOLEAN		

Hosp	BOOLEAN	
True if <u>only</u> present in the actual version of the hospital medicinal product package set.		

REFERENCED BY:

MPP REFERENCING (GALCV)

# **GGR\_LINK**

Contains information for hyperlinking to the BCFI / CBIP Site. For more explanation and examples, see the download section of the BCFI/CBIP site, tab GGRLINK.

Column	Туре	PK	Nullable
MPPCV (PK)	VARCHAR(7)	PK	NOT NULL
Primary key.			
Mppnm_	VARCHAR(55)		
The name of the medicinal product package, short version. Redundant.	, ,		
Link2MPG	VARCHAR(20)		
Link to the corresponding medicinal product group (MPG) on the site www.bcfi.be or www.cbip.be.	V/11(21)/11((20)		
E.g. use this link to reach the page of the medicinal product (MP) "Betaserc".			
Full string for BCFI = "http://www.bcfi.be/GGR/MPG/MPG_"+ Link2MPG			
Full string for CBIP = "http://www.cbip.be/GGR/MPG/ MPG_"+ Link2MPG			
This value is always the same in both languages.			
Link2PVT	VARCHAR(20)		
Link to a price comparison table on the site www.bcfi.be or www.cbip.be.			
E.g. use this link to reach the price comparison table for "betahistinedihydrochloride 16mg"			
Full string for BCFI = "http://www.bcfi.be/GGR/PVT/ PVT.cfm?hyr="+ Link2PVT			
Full string for CBIP = "http://www.cbip.be/GGR/PVT/PVT.cfm?hyr="+ Link2PVT			
This value can be different for the two languages.			

REFERENCED BY:

MPP REFERENCING (MPPCV)

## HYR

This table represents the hierarchical tree of the current GGR. From month to month, this tree evolves: branches disappear, are created or moved. The HyrCV (PK) changes when the composition of the underlying meaning or branch changes. A modified spelling thus does not give rise to another HyrCV.

Column	Туре	PK	Nullable
HyrCV (PK) Primary key.	VARCHAR(5)	PK	NOT NULL
Hyr eg. "BF":	VARCHAR(8)		NOT NULL
B= 2nd chapter (=" BIJ MAAG- EN DARMZIEKTEN")			
• F= 6th subsection (="Laxativa").			
Can slightly evolve on a monthly base.			

MpGrp  True if this node is al leaf in the hierarchical tree of the GGR. All MPs belong to a HyrCV for which MpGrp=True.	BOOLEAN	NOT NULL	
Ti  Full title as visible on the site and the printed version of the GGR. This field can be empty.	VARCHAR(150)		
Intro  Semi-structured text in uniform font and style (with HTML-style indication of bold, italics, subscript and superscript) and with some replacements made	TEXT		
(see below).  Pos  Posology comment following an intro text.	TEXT		
rosology comment tollowing an intro text.			

REFERENCED BY:

MP REFERENCING (HYRCV)

SAM REFERENCING (HYRCV)

### About intro field replacements:

- Items in a list are all preceded by a dash.
- Paragraphs are substituted by the #13#10 codes (carriage return / line feed).
- Double quotes "xyz" are translated in \*xyz\*.
- URLs and other references are surrounded by <I> </I> tags, suggesting italic style. The tags <B> and </B> are used to indicate boldface. The text "Cm²" is written as cm <SUP>2</SUP> and the text "H₂O" is written as H<SUB>2</SUB>O.

#### INNM

The INNM table contains all active ingredients present in at least one medicinal product. See StofCV field in the table SAM, which contains the link between packages and active ingredients.

Column	Туре	PK	Nullable
StofCv (PK)	VARCHAR(5)	PK	NOT NULL
Primary key.			
NINNM	VARCHAR(80)		NOT NULL
Ingredient name in Dutch.			
FINNM	VARCHAR(80)		NOT NULL
Ingredient name in French.			
NBASE	VARCHAR(80)		
Base part of the active ingredient in Dutch, e.g. "amlodipine".			
NINNMX	VARCHAR(130)		
Additional specification of this active ingredient in Dutch.			
NSaltEstr	VARCHAR(80)		

Salt or ester part of the active ingredient in Dutch, e.g. "mesilaat".			
FBASE	VARCHAR(130)		
Base part of this active ingredient in French, e.g. "amlodipine".			
FINNMX	VARCHAR(130)		
Additional specification of this active ingredient in French.			
FSaltEstr	VARCHAR(80)		
Salt or ester of the active ingredient in French, e.g. "mésilate".			
Amb	BOOLEAN		
True if present in the actual version of the ambulant medicinal product package set.			
Hosp	BOOLEAN		
Not used. Presently always set to false.			

REFERENCED BY:

SAM REFERENCING (STOFCV)

#### ΜÞ

The medicinal product (MP) table contains all brand names. The BT (Black Triangle) code, the WADA (World Anti-Doping Agency) code and the company name are all linked to a medicinal product. The MPCV (Primary key) changes when the brand is taken over by another company. A modified spelling does not induce the creation of another MPCV.

Column	Туре	PK	Nullable
MPcv (PK)	VARCHAR(5)	PK	NOT NULL
Primary key.			
HyrCv (FK)	VARCHAR(5)		NOT NULL
References the HYR table.			
Hyr_	VARCHAR(8)		
Indicates the current location in the hierarchical tree. Redundant.			
MPNm	VARCHAR(60)		
Commercial name of the MP.			
IRCV (FK)	VARCHAR(5)		NOT NULL
References the IR table containing the responsible for information.			
ВТ	BOOLEAN		
True if this medicinal product is under surveillance (has a black triangle status). For more information, we refer to the the BT tab sheet in the download section of the BCFI/CBIP site.			
Note	TEXT		
Free text for various notes.			
Pos	TEXT		
Free text for posology note (e.g. 1 ml = 20 dr. = 100 mg).			
WadaN	VARCHAR(6)		
Doping code according to Flemish community.			
WadaF	VARCHAR(6)		
Doping code according to French community.			
Rank	INTEGER		
Indicates the order in the MP-list of an MPGRP			
NmCv	VARCHAR(5)		
Not used.			
Orphan	BOOLEAN		NOT NULL
True if an orphan medicine.			
SpecRules	BOOLEAN		NOT NULL
True if "speciaal gereglementeerd" / "spécialement réglementé" (special rules for delivery).			

Narcotic  True if "verd	ovingsmiddel" / "narcotique" (special rules for delivery).	BOOLEAN	1	NOT NULL	
Amb Not used. A	ways set to true.	BOOLEAN			
Hosp Not used. A	ways set to false.	BOOLEAN			

REFERENCES:	REFERENCED BY:
HYR THROUGH (HYRCV)	MPP REFERENCING (MPCV)
IR THROUGH (IRCV)	SAM REFERENCING (MPCV)

# WADA CODES

The description of the WADA codes are not in a separate table of the database. The following tables contain the descriptions in Dutch and French.

Meaning o	f the WADAN codes
A	Anabolica, ten allen tijde verboden
В	ß-blokkers, verboden bij bepaalde concentratiesporten binnen wedstrijdverband en ten allen tijde verboden bij (boog)schieten
B2	Alle ß2-mimetica zijn verboden, behalve salbutamol, salmeterol en formoterol die via inahalatie en in overeenkomstig met het therapeutisch regime, worden gebruikt
С	Corticosteroïden, verboden binnen wedstrijdverband behalve bij gebruik nasaal, dermatologisch of via inhalatie
С	Opgelet. Corticosteroïden (nasaal, dermatologisch, inhalatie). Geen TTN "toestemming tot therapeutische noodzaak" vereist maar gebruik ervan te melden aan de controlearts.
D	Diuretica, ten allen tijde verboden
d	Opgelet. Bevat codeïne of ethylmorfine. Geen formulier toestemming tot therapeutische noodzaak vereist, maar gebruik ervan te melden aan de controlearts.
DB	Bevat diuretica, ten allen tijde verboden
Hman	Ten allen tijde verboden voor mannelijke atleten
н	Ten allen tijde verboden
M	Maskerende middelen, ten allen tijde verboden
N	Narcotica, verboden binnen wedstrijdverband
О	Anti-oestrogene middelen, ten allen tijde verboden
AO	Anti-oestrogene middelen, ten allen tijde verboden
P	Opgelet! Kan mogelijk aanleiding geven tot een afwijkend analyseresultaat voor cathine. Geen "toestemming tot therapeutische noodzaak" vereist, maar gebruik ervan te melden aan de controlearts.
s	Stimulantia, verboden binnen wedstrijdverband
s	Opgelet! Bevat stimulantia en kan mogelijk aanleiding geven tot een positieve dopingtest. Geen TTN "toestemming tot therapeutische noodzaak" vereist, maar gebruik ervan te melden aan de controlearts.

Meaning of	the WADAF codes
A	Anabolisants, interdits en toutes circonstances
В	ß-bloquants, interdits en compétition pour certains sports de concentration et interdit en toutes circonstances pour le tir et le tir à l'arc
B2	Tous les ß2-mimétiques sont interdits, sauf le salbutamol, le salmétérol et le formotérol administrés par inhalation

1	
	conformément au schéma thérapeutique recommandé
С	Corticostéroïdes, interdits en compétition sauf en usage nasal, dermatologique ou par inhalation
С	Attention. Corticostéroïdes (nasal, dermatologique, inhalation). Pas d'AUT "Autorisation pour usage thérapeutique" exigée mais utilisation à signaler au médecin-contrôle.
D	Diurétiques, interdits en toutes circonstances
d	Attention. Peut entraîner un contrôle antidopage positif pour la morphine. Le sportif doit avertir le médecin-contrôle lors d'un contrôle antidopage éventuel.
DB	Contient des diurétiques, interdits en toutes circonstances
Hman	Interdit en toutes circonstances pour des athlètes masculins
н	Interdit en toutes circonstances
М	Agents masquants, interdits en toutes circonstances
N	Narcotiques, interdit en compétition
o	Anti-estrogènes, interdits en toutes circonstances
AO	Anti-estrogènes, interdits en toutes circonstances
P	Attention. Peut conduire à une perturbation des résultats d'analyse pour la cathine. Le sportif doit avertir le médecin- contrôle lors d'un contrôle antidopage éventuel.
s	Stimulants, interdits en compétition
s	Attention. Contient des stimulants, ce qui peut conduire à une perturbation des résultats d'analyse. Le sportif doit avertir le médecin-contrôle lors d'un contrôle antidopage.

## MPP

The medicinal product package (MPP) table contains administrative information about medicinal product packages. The primary key (the MPPCV field) does not change when the producer or distributor changes. The MPPCV field does change, however, when a change in the composition, galenic form or package size occurs.

Column	Туре	PK	Nullable
MPPCV (PK) (FK)  Primary key, the belgian public CNK code.	VARCHAR(7)	PK	NOT NULL
Hyr_ Indicates the current location in the hierarchical tree. Redundant.	VARCHAR(8)		
HyrCv  References the HYR table.	VARCHAR(5)		NOT NULL
OGC Indicates whether this package is cheap or not, see the table below for domain information.	VARCHAR(1)		

	ı	
MPcv (FK)	VARCHAR(5)	NOT NULL
References the MP table.		
ouc	CHAR	NOT NULL
O= Mono Ingredient MPP (e.g. "Lanitop")		
U= Multi Ingredient MPP (e.g. "Zestoretic")		
C= Combined Multi Ingredient MPP (e.g. "Trinordiol")		
MDDNM	VARCHAR(400)	NOT NIII I
MPPNM  Medicinal product package (MPP) name or prescription name, identifying the	VARCHAR(100)	NOT NULL
Medicinal Product Package in human language. Suitable for a prescription.		
VolgNr	INTEGER	
Rank of the package in its medicinal product (MP).		
GALCV (FK)	VARCHAR(5)	NOT NULL
References the GAL table.		
SPEF	VARCHAR(30)	
Medicinal Product Specifier used in some MPPNMs (eg "NITRODERM TTS		
<i>5:"</i> ).		
CQ	INTEGER	
Content quantity of a package e.g. 30.		
CU	CHAR	
Content units of a package e.g. the "x" between 2x 30.		
CFQ	NUMERIC(12,4)	
Content fluid quantity of a package (e.g. 200).		
CFU	VARCHAR(30)	
Content fluid units (but also used for "doses"), e.g. "ml" in "duovent 20 x 4 ml".	VARCHAR(30)	
, org		
AQ	INTEGER	
Not used.		
AU	VARCHAR(20)	
Not used.		
AFQ	NUMERIC(12,4)	NOT NULL
Content fluid quantity to add, e.g. "8" in "1 x 8000E + 8 ml spuit solv." for "Metalyse flac iv 8000 E".		
	VADCHAD(O)	
AFU  Content fluid units to add, e.g. "ml" in "1 x 8000E + 8 ml spuit solv." for	VARCHAR(2)	
"Metalyse flac iv 8000 E".		
ATYPE	VARCHAR(12)	
Type to add, e.g. "spuit solv." in "1 x 8000E + 8 ml spuit solv." for "Metalyse		
flac iv 8000 E".		

	I	I I
СМИСОМВ	VARCHAR(20)	
Combination string, e.g. "I + II+ III" for "Trinordiol" or "9+12+7" for "Diviplus".		
Law	CHAR	
"R" if the package is available on prescription.	CHAIC	
To the package is available on prescription.		
SSECR	VARCHAR(9)	
The social security reimbursement code.		
PUPR	NUMERIC(12,4)	NOT NULL
Public price expressed in euros.		
USE	CHAR	
Indicates the medicinal product is restricted to hospital use.		
NOTE	VARCHAR(190)	
Note on this MPP.		
POS  Recelegiv comment	VARCHAR(190)	
Posology comment.		
Content_	VARCHAR(20)	
Content of a package, described in human language. Built based on fields		
CQ, CU, CFQ and CFU, therefore redundant.		
GalNm_	VARCHAR(80)	
Shows galenic name found in GAL table using GALCV field, therefore redundant		
redundant.		
Index	NUMERIC(12,4)	NOT NULL
Amount in eurocents paid by non-OMNIO patients for one unit (one tablet, 1		
ml, 1 amp, 1 gr). Determines the order in the price comparison tables.		
RemA	NUMERIC(12,4)	NOT NULL
Amount paid by patients without OMNIO status in euros		
RemW	NUMERIC(12,4)	NOT NULL
Amount paid by patients with OMNIO/WIGW status in euros		
InnCnk	VARCHAR(7)	NOT NULL
A unique number for this VOS / DCI group. Always starting with "8" References AMpp4Inn-InnGroup_Cnk.		
VosNm_	VARCHAR(120)	
Indication of INN group name NL or FR version depending on the language. See Ammp4Inn table (INN pack). Redundant.		
, , , , , , , , , , , , , , , , , , , ,		
ВТ	BOOLEAN	
True if this medicinal product package is under surveillance (has a black triangle status). For more information, we refer to the the BT tab sheet in the		
download section of the BCFI/CBIP site.		

GdKp  Corresponds to the cheap status ("Goedkoop" / "Médicament bon marché"). For more information, we refer to the publication Goed om te weten/Bon a savoir of 31/03/2015 on <a href="www.bcfi.be">www.bcfi.be</a> / <a href="www.cbip.be">www.cbip.be</a> .	BOOLEAN	NOT NULL
Excipients with notable activity.	VARCHAR(30)	
Cheapest  True if the RIZIV/INAMI attributed the status "cheapest" to this package.	BOOLEAN	
SpecRules Status "speciaal gereglementeerd" / " spécialement réglementé".	BOOLEAN	NOT NULL
Narcotic Status "verdovingsmiddel" / "stupéfiant".	BOOLEAN	NOT NULL
Amb  Not used. Always set to true.	BOOLEAN	
Hosp Not used. Always set to false.	BOOLEAN	

REFERENCES	REFERENCED BY
GAL THROUGH (GALCV)	MP THROUGH (MPCV)
GGR_LINK THROUGH (MPPCV)	SAM REFERENCING (MPPCV)

The different values of the OGC field

Meaning of the	he OGC codes
G	Package without supplement for the patient and in category cheap
В	Package without supplement for the patient but not in category cheap
R	Package with supplement for the patient and not in category cheap
empty	No reimbursement by RIZIV/INAMI

See publication Goed om te weten/Bon a savoir of 31/03/2015 on www.bcfi.be / www.cbip.be for more information

# SAM

The table contains the composition (referring to active substances and strengths or concentration) of each medication package. It links the MPP table with the INNM table

Column	Туре	PK	Nullable
MPPCV (PK) (FK)	VARCHAR(7)	PK	NOT NULL
Part of the primary key (together with STOFCV + PPID).			
StofCV (PK) (FK)	VARCHAR(5)	PK	NOT NULL
FK to INNM table (part of primary key).			
PPID (PK)	VARCHAR(4)	PK	NOT NULL
Pharmaceutical product identifier used in the case of combined or multi ingredient medicinal products (e.g. "Trinordiol") (part of primary key).			
HYR_	VARCHAR(8)		NOT NULL
See HYR-table. Redundant.			
HYRCV_ (FK)	VARCHAR(5)		NOT NULL
See HYR-table. Redundant.			
MPCV_ (FK)	VARCHAR(5)		NOT NULL
See HYR-table. Redundant.			
MPPNM_	VARCHAR(60)		
Shows part of the MPPNM. Redundant.			
PPQ  Overtity of units of this BB combination	INTEGER		
Quantity of units of this PP combination			
PPGAL  The average of the last forms for the incomplication in the con-	VARCHAR(30)		
Pharmaceutical form for this application phase.			
InRank  Panking of the ingredient in an MPR	INTEGER		NOT NULL
Ranking of the ingredient in an MPP.			
Stofnm_ Indicates an ingredient name, Redundant	VARCHAR(120)		
Indicates an ingredient name. Redundant.			
DIM  Dimensions, e.g. "10 x 10 cm" in MPP "Comfeel 10 x 10 cm".	VARCHAR(30)		
Internal use.	VARCHAR(2)		
INQ Ingredient quantity e.g. "75" in Diclofenac amp 6 v 75mg/3ml"	NUMERIC(12,4)		NOT NULL
Ingredient quantity, e.g. "75" in Diclofenac amp 6 x 75mg/3ml"			
INU	VARCHAR(20)		

Ingredient quantity units, e.g. "mg" in "Diclofenac amp 6 x 75mg/3ml".		
ADD	CHAR	
"/" = Separator for counter/enumerators, e.g. "/" in "Diclofenac amp 6 x 75mg/3ml".		
INBASQ	NUMERIC(12,4)	NOT NULL
Ingredient quantity denominator, e.g. "3" in "Diclofenac amp 6 x 75mg/3ml".		
INBASU	VARCHAR(15)	
Ingredient quantity denominator units, e.g. "ml" in "Diclofenac amp 6 x 75mg/3ml".		
romg/omi .		
INQ2	NUMERIC(12,4)	NOT NULL
	NUMERIC(12,4)	NOT NULL
INQ2	NUMERIC(12,4)  VARCHAR(20)	NOT NULL
INQ2 E.g. "760" in "220 à 760IE" for "Octaplex poeder flac iv".		NOT NULL
INQ2 E.g. "760" in "220 à 760IE" for "Octaplex poeder flac iv". INU2		NOT NULL
INQ2 E.g. "760" in "220 à 760IE" for "Octaplex poeder flac iv".  INU2 E.g. "IE" in "220 à 760IE" for "Octaplex poeder flac iv".	VARCHAR(20)	NOT NULL
INQ2 E.g. "760" in "220 à 760IE" for "Octaplex poeder flac iv".  INU2 E.g. "IE" in "220 à 760IE" for "Octaplex poeder flac iv".  Amb	VARCHAR(20)	NOT NULL

## REFERENCES:

HYR THROUGH (HYRCV\_)
INNM THROUGH (STOFCV)
MP THROUGH (MPCV\_)
MPP THROUGH (MPPCV)