BELGIAN HOSPITALS – SURVEILLANCE OF ANTIMICROBIAL CONSUMPTION (BEH-SAC)

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BAPCOC workshop – 02/10/2019

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Demo back-up slides

HEALTHSTAT.BE

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Home
Navigate through the folders below to search for the desired reports

Data collections — add data collections 9

📁 Antibiotic Use in Hospitals (ABUH)

📁 Belgian Hospitals – Surveillance on Antimicrobial Consumption (BeH-SAC)

📁 Select Organisation

🔍 ⓘ ✉ EN — ➦ Eline Vandael (CITIZEN for HOSPITAL WILMAR 1)

Your portal to Belgian health statistics
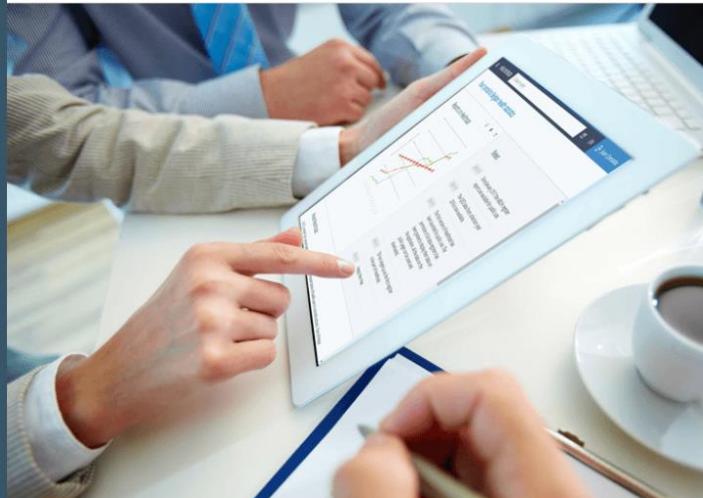
News read more

14/03/2017	Feedback reports of project "Belgian Neuromuscular Disease Registry" (BNMDR) are available for participating health care organizations and g ...
10/03/2017	Feedback reports of project Belgian Treatment Demand Indicator Registry (BTDIR) are available for participating health care organizations an ...
10/03/2017	Launch of healthstat.be, the data visualization platform of the Healthdata.be project.
14/02/2017	Communication to health care organizations: responsible for eHealth User Access Management can start appointing access rights in UMAN applic ...

About healthstat.be

Healthstat.be is the data visualization platform of the Healthdata.be project, which is part of the national Action Plan eHealth 2013-2018. Here, the researchers publish tables, figures and maps they made based on the data they have collected among Belgian hospitals, laboratories, physicians, and patients. With these reports, researchers want to give health professionals, healthcare institutions, patients, governments and the general public an up-to-date insight into the prevalence of certain diseases, their causes and impact, and the effectiveness of their treatment.

Healthstat.be is a service of the Scientific Institute of Public Health and funded by the National Institute for Health and Disability Insurance.

Privacy
In developing healthstat.be, many measures were taken to ensure the protection of the privacy of the patient, the caregiver and the medical confidentiality. For example, no personal information like name, date of birth or national registry number is available on healthstat.be. Also, the user access management for the detailed reports is managed by the eHealth-platform. Because of all these measures, this approach received an authorization from the Sectoral Committee Health of the Privacy Commission.

Roadmap

Tables, figures and maps of many policy-supporting scientific projects will be published on healthstat.be. The moment when these data visualizations will be available for a specific project, partly depends on the reform of the data collection for that project. The planning of this reform can be found on the website of the project healthdata.be.

In the first phase mainly so-called private data visualizations will be available. These can only be consulted by the participating health care providers, health care organizations and funding governments. For this, they must log in with their ID. The first public data visualizations will become available in the coming months.

Read also: Instructions for logging in with ID card.

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Navigate ★

⌂ / Belgian Hospitals – Surveillance on Antimicrobial C

Here you can find the reports of the BeH-SAC database (Belgian Hospitals – Surveillance on Antimicrobial Consumptic... read more

Folders

📁 Your hospital reports

Reports

📄 Product consumption in a boxplot 🔒

📄 Product consumption evolution 🔒

📄 Most used products 🔒

More information + link to protocol

Hospital reports (data per RIZIV/INAMI number)

National reports

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RIZIV = Rijksinstituut voor ziekte- en invaliditeitsverzekering; INAMI = Institut National d'Assurance Maladie-Invalidité

Your portal to Belgian health statistics 🔍 ⓘ ✉ EN | ↪ Eline Vandael (CITIZEN for HOSPITAL WILMAR 1)

🏠 / ■ / Your hospital reports

... read more

Reports

▦ Explore data	🔒
📄 Product consumption in a boxplot	🔒
📄 Product consumption evolution	🔒
📄 Most used products	🔒

📄 **Product consumption in a boxplot** 🔒   ☆

Belgian Hospitals – Surveillance on Antimicrobial Consumption (BeH-SAC)

For more information, please consult the protocol:

http://www.nsih.be/surv_gm/download_nl.asp

Attention:
- In case the option 'all units' is selected, psychiatric wards and day hospitalizations are also included. To exclude these wards, one can manually perform this by selecting a specific list of units.

read more

Select parameters

Region *

[▼]

Group filter *

[▼]

Products *

[ ]

Period level *

[▼]

Unit *

[▼]

[request report]

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📄 Product consumption in a boxplot 🔒

Belgian Hospitals – Surveillance on Antimicrobial Consumption (BeH-SAC)

☆

Select parameters

Benchmark *

▼

Products *

Denominator *

▼

Period level *

▼

Unit *

▼

request report

Select parameters

Benchmark *

Hospitals of the same type (acute, chronic, psychiatri

All hospitals in Belgium
Hospitals of the same type (acute, chronic, psychiatric)
Hospitals with the same category (primary, secondary, tertiary, specialised)
Hospitals with the same size (large >600 beds, medium 400-600 beds, small <400 beds)

Denominator *

Period level *

Unit *

request report

Select parameters

Benchmark *

Hospitals of the same type (acute, chronic, psychiatric)

Products *

j01 - antibacterials for systemic use ✕

Denominator *

-
patient-days
admissions

Selecteer een item in de lijst.

Unit *

request report

Select parameters

Benchmark *

Hospitals of the same type (acute, chronic, psychiatric)

Products *

j01 - antibacterials for systemic use ×

Denominator *

patient-days

Period level *

Year
Trimester

request report

Select parameters

Benchmark *

Hospitals of the same type (acute, chronic, psychiatric)

2017
2016
2015
2014
2013
2012
2011
2010
2009
2008
2007
2006
2005
2004
2003

Unit *

Select parameters

Benchmark *

Hospitals of the same type (acute, chronic, psychiatric)

Products *

j01 - antibacterials for systemic use ✕

Denominator *

patient-days

Period level *

Year

Period from *

2010

Period to *

2017

Unit *

All units
All units without psychiatry and day hospitalizations
Specific list of units

.be

Select parameters

Benchmark *

Hospitals of the same type (acute, chronic, psychiatric)

Products *

j01 - antibacterials for systemic use ✕

Denominator *

patient-days

Period level *

Year

Period from *

2010

| 190 - Neonatology non-intensive |
| 210 - Surgery |
| 220 - Internal medicine: diagnosis and treatment |
| 230 - Pediatrics |
| 260 - Maternity |
| 300 - Geriatrics |
| 320 - Ambulatory - Surgical |

request report

Select parameters

Benchmark *

Hospitals of the same type (acute, chronic, psychiatric)

Products *

j01 - antibacterials for systemic use ×

Denominator *

patient-days

Period level *

Year

Period from *

2010

Period to *

2017

Unit *

All units

request report

Summary

Benchmark: **Hospitals of the same type (acute, chronic, psychiatric)** | Products: **J01 - ANTIBACTERIALS FOR SYSTEMIC USE,** | Denominator: **patient-days** | Period level: **Year** | Period from: **2010** | Period to: **2017**

Unit: **All units**

edit parameters

show data as: **Graph** | **Table**

Benchmark: hospitals of the same type
Product: J01 - ANTIBACTERIALS FOR SYSTEMIC USE

	2010	2011	2012	2013	2014	2015	2016	2017
Hospital type	acute	acute.	acute	acute.	acute	acute.	acute	acute.

DDD / 1000 patient-days

353.4   369.6   381.0   364.0   363.5   376.6   373.5   371.6

N hosp	TOT 105 *	TOT 105 *	TOT 105 *	TOT 105 *	TOT 104 *	TOT 102 *	TOT 102 *	TOT 102 *

Unit

◄ own use   ✳ contains outliers (not displayed on the graph)
TOT: Total for the selected units

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Benchmark: hospitals of the same type
Product: J01 - ANTIBACTERIALS FOR SYSTEMIC USE

| Period | Hospital type | Unit | DDD / 1000 patient-days | | | | | | | | | |
| | | | Your hospital | | Benchmark | | | | | | | |
			Usage	% parenteral	mean	minimum non outlier	p25	p50	p75	maximum non outlier	number of hospitals in the benchmark	Outliers present
2010	acute	TOT	353.42	70.5%	465.84	242.14	388.97	439.86	510.27	675.23	105	Yes
2011	acute	TOT	369.62	68.7%	469.52	255.05	393.75	448.65	511.37	685.22	105	Yes
2012	acute	TOT	381.03	68.5%	487.45	267.14	398.82	456.79	523.67	675.25	105	Yes
2013	acute	TOT	363.96	69.0%	488.42	250.98	399.22	450.47	520.25	680.23	105	Yes
2014	acute	TOT	363.50	70.8%	472.59	256.86	397.00	445.77	510.94	661.23	104	Yes
2015	acute	TOT	376.58	71.1%	477.43	255.83	398.71	448.40	508.45	658.16	102	Yes
2016	acute	TOT	373.48	71.1%	479.95	277.93	399.87	441.63	512.99	681.94	102	Yes
2017	acute	TOT	371.57	72.7%	489.22	302.05	421.56	455.70	520.25	646.81	102	Yes

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Edit parameters

Benchmark *

Hospitals with the same category (primary, secondary, tertiary, specialised)

Products *

j01ma - fluoroquinolones ✕

Denominator *

admissions

Denominator 2 *

admissions

Period level *

Trimester

Period from *

2015Q1

Period to *

2016Q4

Unit *

All units without psychiatry and day hospitalizations

request report   close

Summary

Benchmark: Hospitals with the same category (primary, secondary, tertiary, specialised) | Products: J01MA - Fluoroquinolones, | Denominator: admissions | Denominator 2: admissions | Period level: Trimester

Period from: 2015Q1 | Period to: 2016Q4 | Unit: All units without psychiatry and day hospitalizations

edit parameters

show data as: Graph | Table
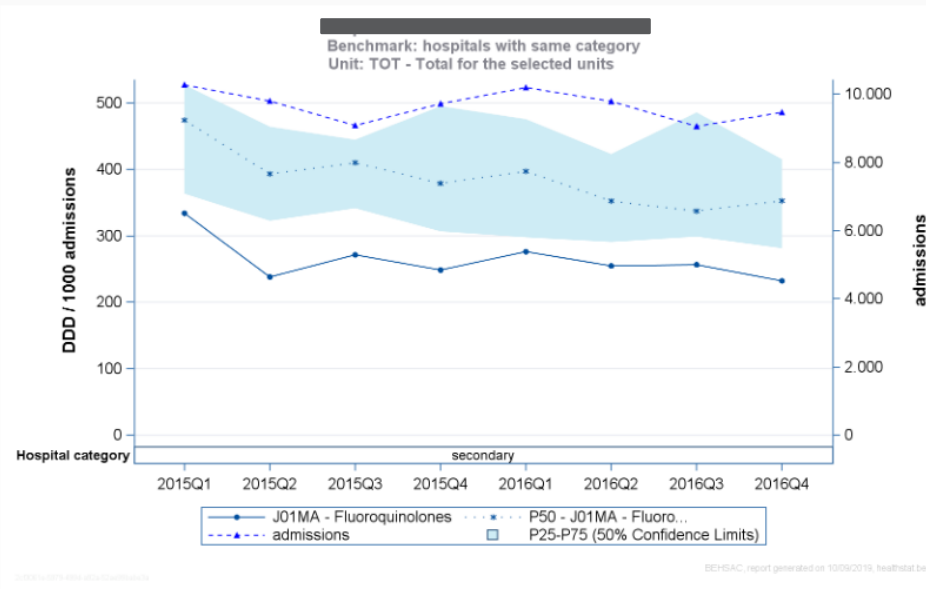
Benchmark: hospitals with same category
Unit: TOT - Total for the selected units

Legend:
— J01MA - Fluoroquinolones · · · ■ · · · P50 - J01MA - Fluoro…
- - - admissions · · · □ · · · P25-P75 (50% Confidence Limits)

BEHSAC, report generated on 10/09/2019, healthstat.be

| | | | | DDD / 1000 admissions | | | | | | |
| | | | | Your hospital | | Benchmark | | | | |
ATC code	Product	Period	Hospital category	Usage	admissions	mean	p25	p50	p75	number of hospitals in the benchmark
J01MA	Fluoroquinolones	2015Q1	secondary	334.00	10274	437.20	363.55	474.06	527.07	17
J01MA	Fluoroquinolones	2015Q2	secondary	238.04	9801	385.15	322.69	393.18	464.09	17
J01MA	Fluoroquinolones	2015Q3	secondary	271.38	9084	412.12	341.62	410.02	444.58	17
J01MA	Fluoroquinolones	2015Q4	secondary	248.51	9722	384.30	306.78	378.83	495.02	17
J01MA	Fluoroquinolones	2016Q1	secondary	276.16	10197	392.01	297.81	397.04	475.48	17
J01MA	Fluoroquinolones	2016Q2	secondary	254.65	9792	362.45	290.73	352.41	422.94	17
J01MA	Fluoroquinolones	2016Q3	secondary	256.43	9059	388.35	298.93	337.17	485.66	17
J01MA	Fluoroquinolones	2016Q4	secondary	232.18	9468	371.32	281.35	352.69	415.13	17

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♠ / ■ / Your hospital reports

... read more

Reports

▦	Explore data	🔒
🗎	Product consumption in a boxplot	🔒
🗎	Product consumption evolution	🔒
🗎	Most used products	🔒

🗎 Most used products 🔒

Belgian Hospitals – Surveillance on Antimicrobial Consumption (BeH-SAC)

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Attention:
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read more

Select parameters

Benchmark *

<div>▼</div>

Denominator *

<div>▼</div>

Period level *

<div>▼</div>

Unit *

<div>▼</div>

request report

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Select parameters

Benchmark *

Hospitals with the same size (large >600 beds, medium 400-600 beds, small <400 beds)

Denominator *

patient-days

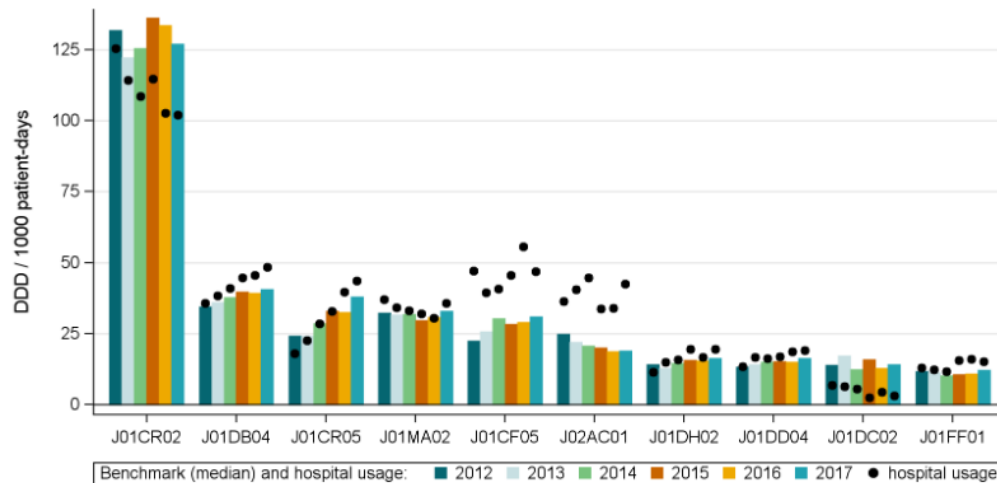**Period level ***

Year

Period from *

2012

Period to *

2017

Unit *

All units without psychiatry and day hospitalizations

request report

Summary

edit parameters

show data as: **Graph** | Table

Top 10 most used products J01/J02

Benchmark: hospitals with same size
Unit: TOT - Total for the selected units

Product names
J01CF05 - Flucloxacillin
J01CR02 - Amoxicillin and enzyme inhibitor
J01CR05 - Piperacillin and enzyme inhibitor
J01DB04 - Cefazolin
J01DC02 - Cefuroxime
J01DD04 - Ceftriaxone
J01DH02 - Meropenem
J01FF01 - Clindamycin
J01MA02 - Ciprofloxacin
J02AC01 - Fluconazole

Benchmark (median) and hospital usage: ■ 2012 ■ 2013 ■ 2014 ■ 2015 ■ 2016 ■ 2017 ● hospital usage

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Top 10 most used products J01/J02

Benchmark: hospitals with same size
Unit: TOT - Total for the selected units

ACT code	Product	Period	Hospital size	DDD / 1000 patient-days		
				Your hospital	Benchmark	
				Usage	median	number of hospitals in the benchmark
J01CR02	Amoxicillin and enzyme inhibitor	2012	large	125.46	131.64	28
J01CR02	Amoxicillin and enzyme inhibitor	2013	large	114.15	122.13	28
J01CR02	Amoxicillin and enzyme inhibitor	2014	large	108.42	125.30	28
J01CR02	Amoxicillin and enzyme inhibitor	2015	large	114.66	136.09	29
J01CR02	Amoxicillin and enzyme inhibitor	2016	large	102.72	133.42	29
J01CR02	Amoxicillin and enzyme inhibitor	2017	large	101.87	126.96	29
J01DB04	Cefazolin	2012	large	35.72	34.38	27
J01DB04	Cefazolin	2013	large	38.37	35.87	27
J01DB04	Cefazolin	2014	large	40.94	37.72	27
J01DB04	Cefazolin	2015	large	44.67	39.57	27
J01DB04	Cefazolin	2016	large	45.46	39.14	27
J01DB04	Cefazolin	2017	large	48.33	40.46	27
J01CR05	Piperacillin and enzyme inhibitor	2012	large	18.04	24.04	27

Select parameters

Region *

Selecteer een item in de lijst.

All hospitals in Belgium
All hospitals in the Flemish Region
All hospitals in the Walloon Region
All hospitals in the Brussels Capital Region

Products *

Period level *

Unit *

request report

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Select parameters

Region *

All hospitals in Belgium

Group filter *

None
Hospitals of the same type (acute, chronic, psychiatric)
Hospitals with the same category (primary, secondary, tertiary, specialised)
Hospitals with the same size (large >600 beds, medium 400-600 beds, small <400 beds)

Period level *

Unit *

request report

Select parameters

Region *

All hospitals in Belgium

Group filter *

Hospitals of the same type (acute, chronic, psychiatric)

Group *

```
Acute hospitals
Chronic hospitals
Psychiatric hospitals
```

Period level *

Unit *

request report

Region *

All hospitals in Belgium

Group filter *

Hospitals of the same type (acute, chronic, psychiatric)

Group *

Acute hospitals

Products *

j01dh - carbapenems ✕

Denominator *

patient-days

Period level *

Year

Period from *

2013

Period to *

2017

Unit *

Specific list of units

Select units *

490 - intensive care, including: icu surgery, icu internal medicine, icu pediatrics, icu mixed, icu maternity ✕
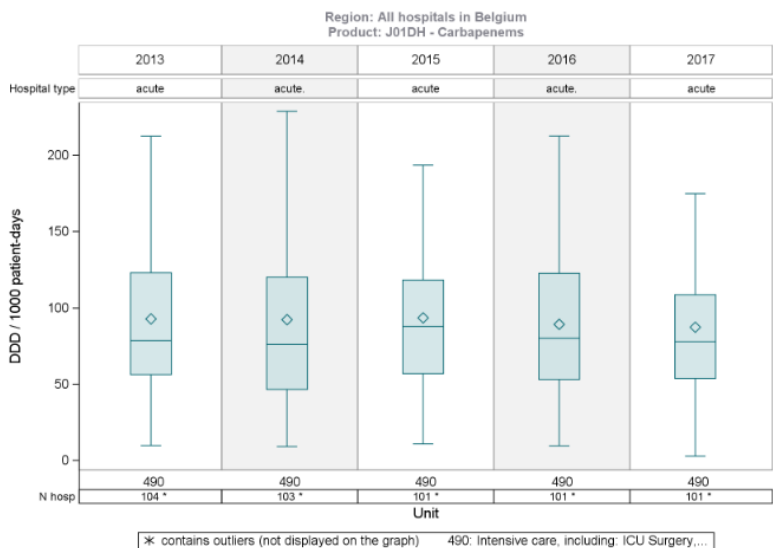
Summary

edit parameters

show data as: Graph Table

Region: All hospitals in Belgium
Product: J01DH - Carbapenems

	2013	2014	2015	2016	2017
Hospital type	acute	acute.	acute	acute.	acute

DDD / 1000 patient-days

	490	490	490	490	490
N hosp	104 *	103 *	101 *	101 *	101 *

Unit

✳ contains outliers (not displayed on the graph)   490: Intensive care, including: ICU Surgery,...

Summary

Region: **All hospitals in Belgium** Group filter: **Hospitals of the same type (acute, chronic, psychiatric)** Group: **Acute hospitals** Products: **J01DH - Carbapenems,** Denominator: **patient-days**

Period level: **Year** Period from: **2013** Period to: **2017** Unit: **Specific list of units** Select units: **490 - Intensive care, including: ICU Surgery, ICU Internal medicine, ICU Pediatrics, ICU Mixed, ICU Maternity,**
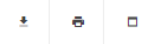
edit parameters

show data as: Graph | **Table**

Region: All hospitals in Belgium
Product: J01DH - Carbapenems

| | | | DDD / 1000 patient-days | | | | | | | |
Period	Hospital type	Unit	mean	minimum non outlier	p25	p50	p75	maximum non outlier	number of hospitals	Outliers present
2013	acute	490	92.79	9.77	56.28	78.59	123.01	212.54	104	Yes
2014	acute	490	92.27	9.09	46.56	76.04	120.07	228.86	103	Yes
2015	acute	490	93.46	10.82	56.91	87.86	118.26	193.62	101	Yes
2016	acute	490	89.23	9.57	53.08	80.05	122.62	212.60	101	Yes
2017	acute	490	87.32	2.78	53.72	77.90	108.67	174.91	101	Yes

Edit parameters

Region *

All hospitals in the Flemish Region

Group filter *

Hospitals with the same category (primary, secondary, tertiary, specialised)

Group *

primary

Products *

j01dd - third-generation cephalosporins ✕

Denominator *

patient-days

Period level *

Year

Period from *

2012

Period to *
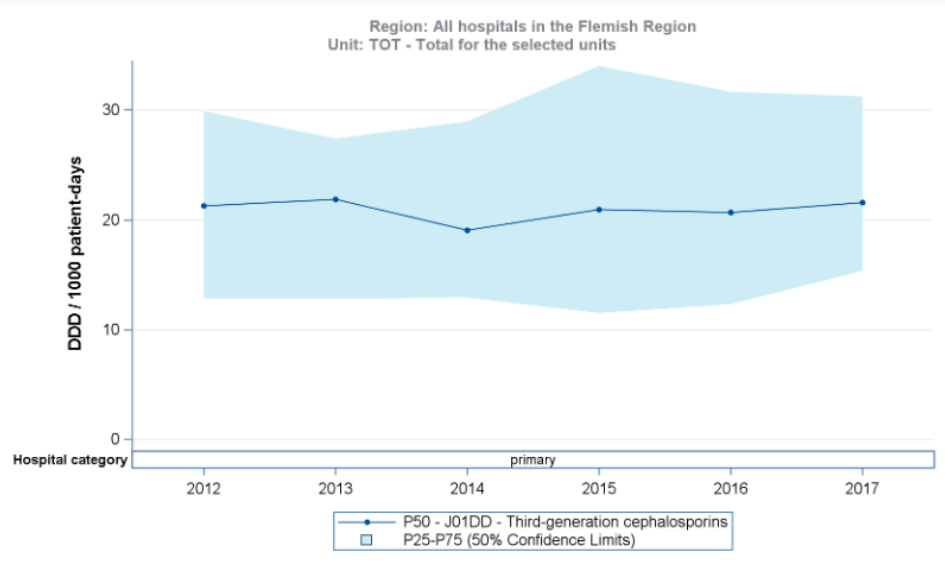
2017

Unit *

All units

Summary

Region: **All hospitals in the Flemish Region** | Group filter: **Hospitals with the same category (primary, secondary, tertiary, specialised)** | Group: **primary** | Products: **J01DD - Third-generation cephalosporins,**

Denominator: **patient-days** | Period level: **Year** | Period from: **2012** | Period to: **2017** | Unit: **All units**

edit parameters

show data as: **Graph** | Table

Region: All hospitals in the Flemish Region
Unit: TOT - Total for the selected units

P50 - J01DD - Third-generation cephalosporins
P25-P75 (50% Confidence Limits)

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Region: All hospitals in the Flemish Region
Unit: TOT - Total for the selected units

ATC code	Product	Period	Hospital category	DDD / 1000 patient-days				
				mean	p25	p50	p75	number of hospitals
J01DD	Third-generation cephalosporins	2012	primary	22.95	12.83	21.28	29.90	49
J01DD	Third-generation cephalosporins	2013	primary	22.04	12.84	21.88	27.41	49
J01DD	Third-generation cephalosporins	2014	primary	20.68	12.92	19.06	28.98	48
J01DD	Third-generation cephalosporins	2015	primary	22.77	11.52	20.95	34.03	47
J01DD	Third-generation cephalosporins	2016	primary	21.76	12.33	20.68	31.68	46
J01DD	Third-generation cephalosporins	2017	primary	22.74	15.37	21.59	31.27	46

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Edit parameters

Region *

All hospitals in the Walloon Region

Group filter *

Hospitals of the same type (acute, chronic, psychiatric)

Group *

Acute hospitals

Denominator *

admissions

Period level *

Trimester

Period from *

2016Q1

Period to *

2016Q4

Unit *

Specific list of units

**Select units ***

300 - geriatrics ×

Summary

Region: **All hospitals in the Walloon Region** | Group filter: **Hospitals of the same type (acute, chronic, psychiatric)** | Group: **Acute hospitals** | Denominator: **admissions** | Period level: **Trimester**

Period from: **2016Q1** | Period to: **2016Q4** | Unit: **Specific list of units** | Select units: **300 - Geriatrics,**

edit parameters

show data as: **Graph** | **Table**

Top 10 most used products J01/J02
Region: All hospitals in the Walloon Region
Unit: 300 - Geriatrics
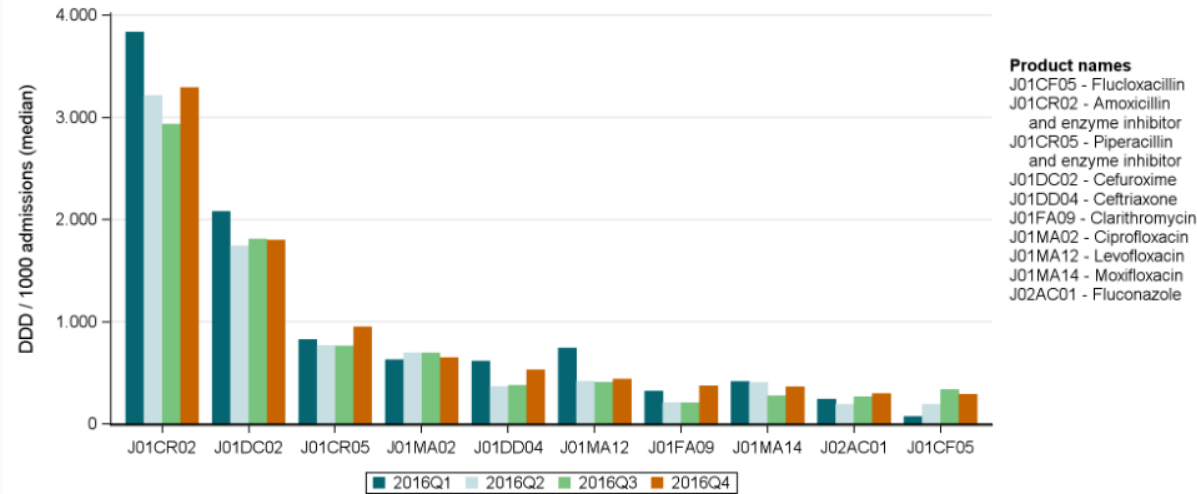
Product names
J01CF05 - Flucloxacillin
J01CR02 - Amoxicillin
   and enzyme inhibitor
J01CR05 - Piperacillin
   and enzyme inhibitor
J01DC02 - Cefuroxime
J01DD04 - Ceftriaxone
J01FA09 - Clarithromycin
J01MA02 - Ciprofloxacin
J01MA12 - Levofloxacin
J01MA14 - Moxifloxacin
J02AC01 - Fluconazole

Legend: 2016Q1 | 2016Q2 | 2016Q3 | 2016Q4

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Top 10 most used products J01/J02

Region: All hospitals in the Walloon Region
Unit: 300 - Geriatrics

ACT code	Product	Period	Hospital type	DDD / 1000 admissions	
				median	number of hospitals
J01CR02	Amoxicillin and enzyme inhibitor	2016Q1	acute	3831.49	35
J01CR02	Amoxicillin and enzyme inhibitor	2016Q2	acute	3210.30	35
J01CR02	Amoxicillin and enzyme inhibitor	2016Q3	acute	2930.51	35
J01CR02	Amoxicillin and enzyme inhibitor	2016Q4	acute	3288.65	35
J01DC02	Cefuroxime	2016Q1	acute	2076.27	35
J01DC02	Cefuroxime	2016Q2	acute	1739.80	35
J01DC02	Cefuroxime	2016Q3	acute	1806.96	35
J01DC02	Cefuroxime	2016Q4	acute	1796.88	35
J01CR05	Piperacillin and enzyme inhibitor	2016Q1	acute	823.53	35
J01CR05	Piperacillin and enzyme inhibitor	2016Q2	acute	764.59	35
J01CR05	Piperacillin and enzyme inhibitor	2016Q3	acute	760.19	35
J01CR05	Piperacillin and enzyme inhibitor	2016Q4	acute	946.88	35