

Medication use in public pharmacies

KEY DATA SUMMARY

Analysis of the distribution and evolution of medication consumption in Belgium, in terms of volume and expenditure per insured (analysis and trends by region, province and district), for the year **2023**



NIHDI – Healthcare Service – Directorate for Research, Development and Quality promotion

Appropriate care unit

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1. INTRODUCTION

The Appropriate Care Unit was set up within the NIHDI's Directorate for Research, Development and Quality under NIHDI's Administration Contract for 2016-2018¹. Article 35 of this contract refers to 'the setting up of an Appropriate Care Unit, aiming specifically to promote an integrated approach to the rational use of resources'. The Appropriate Care Unit has been up and running since the second quarter of 2017.

The tasks of the Unit were set out formally in the '2016-2017 Healthcare monitoring Action plan', published by NIHDI on 18 July 2016. This plan lists around thirty measures designed to make healthcare provision more efficient, by encouraging appropriate practice and tackling unnecessary or inappropriate care.

The plan states that one of the tasks of the Appropriate Care Unit is to analyse the 'appropriateness of care', in order to identify unexplained variations in consumption patterns, identified after standardisation. Such variations can potentially point to non-optimal use of resources.

"Medication use" documents report on the analyses carried out in this framework. Each report focuses on a particular topic.

In this document, we present the key data from each report relating to analyses of insured consumers of Cardiovascular drugs – Lipid-modifying agents and of the volumes dispensed within the framework of the health insurance (assimilated to their consumption). Readers interested in the methodology used in these quantitative analyses should consult the document entitled ['Variations in consumption – Methodology'](#).

We have deliberately chosen not to attempt to interpret the figures, preferring to present the results to experts who are in a better position to do so. This document has nevertheless been made available to the public in order to provide objective, open input to discussions on this issue.

¹ (National Institute for Health and Disability Insurance, 2016)

2. ALIMENTARY TRACT & METABOLISM

Insulins and analogues

Main prescribers:	<i>Endocrinology-diabetology</i>	43%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		1,2%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		1,48%
Median age		67 y.
Max/min ratio ² of the median age (by district*)		1,11
Percentage of women		45,8%
Ratio Preferential rate/General rate		2,22
Coefficient of variation (2023)		11,9%
Max/min ratio ² of percentage of insured consumers (by district*)		1,5
CONSUMPTION		
Annual consumption (DDD)		78.437.523
Consumption of DDD (per 100.000 insured persons)		680.851
Average annual consumption per insured consumer (in DDD)		461
Percentage insured consumers with more than 3 times the average consumption		2,82%
Coefficient of variation ³ (2013-2015)		13,69%
Coefficient of variation ³ (2021-2023)		15,71%
Trend ⁴ (2013-2023)		0,37%
Trend ⁵ (2013-2021)		0,66%
Trend ⁵ (2021-2023)		-0,81%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		86.440.617€
Average annual expenditure per insured		7,5€
Average patient share per insured consumer		0,0%
Max/Min Ratio ² of expenditure per insured (by district*)		1,75
Percentage low-cost medication		31,3%
Trend (2013-2023)		-0,38%
Trend (2021-2023)		-3,95%

Link to the report: [RAPPORT-EN-Antidiabetiques_Insulines_et_analogues_2023.pdf](#)

Proton pump inhibitors

Main prescribers:	<i>General practitioners</i>	80%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		0,0%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		20,62%
Median age		61 y.
Max/min ratio ² of the median age (by district*)		1,05
Percentage of women		58,0%
Ratio Preferential rate/General rate		1,35
Coefficient of variation (2023)		7,6%
Max/min ratio ² of percentage of insured consumers (by district*)		1,33
CONSUMPTION		
Annual consumption (DDD)		449.509.004
Consumption of DDD (per 100.000 insured persons)		3.901.817
Average annual consumption per insured consumer (in DDD)		189
Percentage insured consumers with more than 3 times the average consumption		3,77%
Coefficient of variation ³ (2013-2015)		14,07%
Coefficient of variation ³ (2021-2023)		12,26%
Trend ⁴ (2013-2023)		2,09%
Trend ⁵ (2013-2021)		2,41%
Trend ⁵ (2021-2023)		0,80%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		109.460.799€
Average annual expenditure per insured		9,5€
Average patient share per insured consumer		22,5%
Max/Min Ratio ² of expenditure per insured (by district*)		1,7
Percentage low-cost medication		100,0%
Trend (2013-2023)		0,77%
Trend (2021-2023)		1,63%

Link to the report: [RAPPORT-EN-Inhibiteurs de la pompe a protons 2023.pdf](#)

Blood glucose lowering drugs except insulins

Main prescribers:	General practitioners	76%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		5,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		6,74%
Median age		68 y.
Max/min ratio ² of the median age (by district*)		1,13
Percentage of women		47,3%
Ratio Preferential rate/General rate		1,68
Coefficient of variation (2023)		19,0%
Max/min ratio ² of percentage of insured consumers (by district*)		1,8
CONSUMPTION		
Annual consumption (DDD)		287.491.382
Consumption of DDD (per 100.000 insured persons)		2.495.476
Average annual consumption per insured consumer (in DDD)		370
Percentage insured consumers with more than 3 times the average consumption		5,46%
Coefficient of variation ³ (2013-2015)		16,06%
Coefficient of variation ³ (2021-2023)		14,21%
Trend ⁴ (2013-2023)		2,70%
Trend ⁵ (2013-2021)		1,96%
Trend ⁵ (2021-2023)		5,69%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		230.304.508€
Average annual expenditure per insured		19,99€
Average patient share per insured consumer		0,8%
Max/Min Ratio ² of expenditure per insured (by district*)		1,76
Percentage low-cost medication		70,4%
Trend (2013-2023)		10,43%
Trend (2021-2023)		17,43%

Link to the report:

[RAPPORT-EN-Antidiabetiques_Hypoglycemiants a l'exception des insulines 2023.pdf](#)

3. BLOOD & BLOOD FORMING ORGANS

Antiaggregants

Main prescribers:	General practitioners	78%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		2,7%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		8,57%
Median age		72 y.
Max/min ratio ² of the median age (by district*)		1,04
Percentage of women		46,1%
Ratio Preferential rate/General rate		1,35
Coefficient of variation (2023)		10,8%
Max/min ratio ² of percentage of insured consumers (by district*)		1,53
CONSUMPTION		
Annual consumption (DDD)		353.274.580
Consumption of DDD (per 100.000 insured persons)		3.066.485
Average annual consumption per insured consumer (in DDD)		358
Percentage insured consumers with more than 3 times the average consumption		0,39%
Coefficient of variation ³ (2013-2015)		11,77%
Coefficient of variation ³ (2021-2023)		12,77%
Trend ⁴ (2013-2023)		-0,88%
Trend ⁵ (2013-2021)		-0,15%
Trend ⁵ (2021-2023)		-3,78%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		27.084.811€
Average annual expenditure per insured		2,35€
Average patient share per insured consumer		14,2%
Max/Min Ratio ² of expenditure per insured (by district*)		1,64
Percentage low-cost medication		11,2%
Trend (2013-2023)		-3,02%
Trend (2021-2023)		-1,81%

Link to the report: [RAPPORT-EN-Antiaggregants_2023.pdf](#)

Oral anticoagulants

Main prescribers:	General practitioners	77%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		0,1%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		3,51%
Median age		78 y.
Max/min ratio ² of the median age (by district*)		1,05
Percentage of women		46,5%
Ratio Preferential rate/General rate		1,27
Coefficient of variation (2023)		6,6%
Max/min ratio ² of percentage of insured consumers (by district*)		1,25
CONSUMPTION		
Annual consumption (DDD)		99.857.963
Consumption of DDD (per 100.000 insured persons)		866.785
Average annual consumption per insured consumer (in DDD)		247
Percentage insured consumers with more than 3 times the average consumption		0,09%
Coefficient of variation ³ (2013-2015)		18,19%
Coefficient of variation ³ (2021-2023)		9,15%
Trend ⁴ (2013-2023)		8,14%
Trend ⁵ (2013-2021)		9,28%
Trend ⁵ (2021-2023)		3,69%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		259.823.444€
Average annual expenditure per insured		22,55€
Average patient share per insured consumer		6,1%
Max/Min Ratio ² of expenditure per insured (by district*)		1,44
Percentage low-cost medication		NA
Trend (2013-2023)		16,12%
Trend (2021-2023)		5,54%

Link to the report: [RAPPORT-EN-Anticoagulants_oraux_2023.pdf](#)

Heparin group

Main prescribers:	<i>General practitioners</i>	41%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		2,7%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		2,89%
Median age		60 y.
Max/min ratio ² of the median age (by district*)		1,05
Percentage of women		59,9%
Ratio Preferential rate/General rate		1,22
Coefficient of variation (2023)		18,9%
Max/min ratio ² of percentage of insured consumers (by district*)		1,87
CONSUMPTION		
Annual consumption (DDD)		20.351.302
Consumption of DDD (per 100.000 insured persons)		176.653
Average annual consumption per insured consumer (in DDD)		61
Percentage insured consumers with more than 3 times the average consumption		4,81%
Coefficient of variation ³ (2013-2015)		24,24%
Coefficient of variation ³ (2021-2023)		30,74%
Trend ⁴ (2013-2023)		-5,22%
Trend ⁵ (2013-2021)		-4,43%
Trend ⁵ (2021-2023)		-8,29%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		30.888.717€
Average annual expenditure per insured		2,68€
Average patient share per insured consumer		20,6%
Max/Min Ratio ² of expenditure per insured (by district*)		2,5
Percentage low-cost medication		4,3%
Trend (2013-2023)		-5,55%
Trend (2021-2023)		-7,08%

Link to the report: [RAPPORT-EN-Groupe des heparines 2023.pdf](#)

4. CARDIOVASCULAR SYSTEM

Cardiovascular system drugs

Main prescribers:	<i>General practitioners</i>	82%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		3,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		28,69%
Median age		67 y.
Max/min ratio ² of the median age (by district*)		1,08
Percentage of women		52,4%
Ratio Preferential rate/General rate		1,15
Coefficient of variation (2023)		5,7%
Max/min ratio ² of percentage of insured consumers (by district*)		1,21
CONSUMPTION		
Annual consumption (DDD)		2.108.666.863
Consumption of DDD (per 100.000 insured persons)		18.303.597
Average annual consumption per insured consumer (in DDD)		638
Percentage insured consumers with more than 3 times the average consumption		3,77%
Coefficient of variation ³ (2013-2015)		8,79%
Coefficient of variation ³ (2021-2023)		7,53%
Trend ⁴ (2013-2023)		-0,58%
Trend ⁵ (2013-2021)		-0,88%
Trend ⁵ (2021-2023)		0,65%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		463.767.154€
Average annual expenditure per insured		40,26€
Average patient share per insured consumer		19,0%
Max/Min Ratio ² of expenditure per insured (by district*)		1,54
Percentage low-cost medication		87,4%
Trend (2013-2023)		-2,79%
Trend (2021-2023)		9,42%

Link to the report: [RAPPORT-EN-Medication du systeme cardio-vasculaire 2023.pdf](#)

Antiarrhythmics (class I & III)

Main prescribers:	<i>General practitioners</i>	76%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		1,9%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		1,24%
Median age		76 y.
Max/min ratio ² of the median age (by district*)		1,04
Percentage of women		49,7%
Ratio Preferential rate/General rate		1,11
Coefficient of variation (2023)		27,9%
Max/min ratio ² of percentage of insured consumers (by district*)		2,55
CONSUMPTION		
Annual consumption (DDD)		32.239.971
Consumption of DDD (per 100.000 insured persons)		279.849
Average annual consumption per insured consumer (in DDD)		225
Percentage insured consumers with more than 3 times the average consumption		0,47%
Coefficient of variation ³ (2013-2015)		32,98%
Coefficient of variation ³ (2021-2023)		30,41%
Trend ⁴ (2013-2023)		-1,55%
Trend ⁵ (2013-2021)		-1,53%
Trend ⁵ (2021-2023)		-1,67%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		10.205.346€
Average annual expenditure per insured		0,89€
Average patient share per insured consumer		22,6%
Max/Min Ratio ² of expenditure per insured (by district*)		2,52
Percentage low-cost medication		55,5%
Trend (2013-2023)		-0,45%
Trend (2021-2023)		-0,30%

Link to the report: [RAPPORT-EN-Medicat. cardio-vasc. Antiarythmiques classe I et III 2023.pdf](#)

Lipid-modifying agents

Main prescribers:	<i>General practitioners</i>	81%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		2,5%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		17,14%
Median age		69 y.
Max/min ratio ² of the median age (by district*)		1,04
Percentage of women		47,5%
Ratio Preferential rate/General rate		1,16
Coefficient of variation (2023)		9,7%
Max/min ratio ² of percentage of insured consumers (by district*)		1,54
CONSUMPTION		
Annual consumption (DDD)		764.663.346
Consumption of DDD (per 100.000 insured persons)		6.637.412
Average annual consumption per insured consumer (in DDD)		387
Percentage insured consumers with more than 3 times the average consumption		3,88%
Coefficient of variation ³ (2013-2015)		11,18%
Coefficient of variation ³ (2021-2023)		13,01%
Trend ⁴ (2013-2023)		2,59%
Trend ⁵ (2013-2021)		1,82%
Trend ⁵ (2021-2023)		5,74%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		187.504.974€
Average annual expenditure per insured		16,28€
Average patient share per insured consumer		17,5%
Max/Min Ratio ² of expenditure per insured (by district*)		1,57
Percentage low-cost medication		97,9%
Trend (2013-2023)		-1,72%
Trend (2021-2023)		24,38%

Link to the report: [RAPPORT-EN-Medicat Cardio-vasc Hypolipidemiants 2023.pdf](#)

5. SYSTEMIC HORMONAL PREPARATIONS

Levothyroxine (Thyroid hormone)

Main prescribers:	General practitioners	75%	
CONTEXT			
Percentage of sales not covered by the health insurance (NIHDI) ¹		0,0%	
PROFILE OF INSURED CONSUMERS			
Percentage of insured consumers		5,85%	
Median age		63 y.	
Max/min ratio ² of the median age (by district*)		1,05	
Percentage of women		81,8%	
Ratio Preferential rate/General rate		1,21	
Coefficient of variation (2023)		42,2%	
Max/min ratio ² of percentage of insured consumers (by district*)		3,47	
CONSUMPTION			
Annual consumption (DDD)		129.139.119	
Consumption of DDD (per 100.000 insured persons)		1.120.950	
Average annual consumption per insured consumer (in DDD)		192	
Percentage insured consumers with more than 3 times the average consumption		1,11%	
Coefficient of variation ³ (2013-2015)		46,35%	NS
Coefficient of variation ³ (2021-2023)		41%	
Trend ⁴ (2013-2023)		0,53%	NS
Trend ⁵ (2013-2021)		0,62%	NS
Trend ⁵ (2021-2023)		0,18%	
DIRECT EXPENDITURE (based on DDD)			
Annual expenditure borne by the insurance		16.524.360€	
Average annual expenditure per insured		1,43€	
Average patient share per insured consumer		13,1%	
Max/Min Ratio ² of expenditure per insured (by district*)		3,16	
Percentage low-cost medication		NA	
Trend (2013-2023)		1,93%	
Trend (2021-2023)		3,13%	

Link to the report: [RAPPORT-EN-Levothyroxine_hormone_thyroidienne_2023.pdf](#)

6. ANTIINFECTIVES FOR SYSTEMIC USE

Antibiotics - All prescribers

Main prescribers:	<i>General practitioners</i>	68%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		35,53%
Median age		45 y.
Max/min ratio ² of the median age (by district*)		1,09
Percentage of women		56,9%
Ratio Preferential rate/General rate		1,11
Coefficient of variation (2023)		11,0%
Max/min ratio ² of percentage of insured consumers (by district*)		1,48
CONSUMPTION		
Annual consumption (DDD)		82.772.795
Consumption of DDD (per 100.000 insured persons)		718.482
Average annual consumption per insured consumer (in DDD)		20
Percentage insured consumers with more than 3 times the average consumption		4,06%
Coefficient of variation ³ (2013-2015)		8,64%
Coefficient of variation ³ (2021-2023)		10,04%
Trend ⁴ (2013-2023)		-2,13%
Trend ⁵ (2013-2021)		-5,23%
Trend ⁵ (2021-2023)		11,33%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		66.481.761€
Average annual expenditure per insured		5,77€
Average patient share per insured consumer		37,7%
Max/Min Ratio ² of expenditure per insured (by district*)		1,67
Percentage low-cost medication		83,5%
Trend (2013-2023)		-5,78%
Trend (2021-2023)		13,77%

Link to the report: [RAPPORT-EN-Antibiotiques Tous prescripteurs 2023.pdf](#)

Antibiotics (Amoxicillin) - All prescribers

Main prescribers:	<i>General practitioners</i>	67%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		8,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		23,08%
Median age		42 y.
Max/min ratio ² of the median age (by district*)		1,18
Percentage of women		53,3%
Ratio Preferential rate/General rate		1,18
Coefficient of variation (2023)		12,3%
Max/min ratio ² of percentage of insured consumers (by district*)		1,59
CONSUMPTION		
Annual consumption (DDD)		41.799.562
Consumption of DDD (per 100.000 insured persons)		362.828
Average annual consumption per insured consumer (in DDD)		16
Percentage insured consumers with more than 3 times the average consumption		1,97%
Coefficient of variation ³ (2013-2015)		9,72%
Coefficient of variation ³ (2021-2023)		13,26%
Trend ⁴ (2013-2023)		-1,13%
Trend ⁵ (2013-2021)		-5,53%
Trend ⁵ (2021-2023)		18,58%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		30.337.159€
Average annual expenditure per insured		2,63€
Average patient share per insured consumer		38,2%
Max/Min Ratio ² of expenditure per insured (by district*)		1,74
Percentage low-cost medication		100,0%
Trend (2013-2023)		-4,40%
Trend (2021-2023)		20,33%

Link to the report: [RAPPORT-EN-Antibiotiques Amoxicilline Tous prescripteurs 2023.pdf](#)

Antibiotics - General medicine

Main prescribers:	10004 - Accredited general practitioners + ECG	75%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		28,36%
Median age		46 y.
Max/min ratio ² of the median age (by district*)		1,07
Percentage of women		58,3%
Ratio Preferential rate/General rate		1,11
Coefficient of variation (2023)		14,2%
Max/min ratio ² of percentage of insured consumers (by district*)		1,78
CONSUMPTION		
Annual consumption (DDD)		60.905.475
Consumption of DDD (per 100.000 insured persons)		528.670
Average annual consumption per insured consumer (in DDD)		19
Percentage insured consumers with more than 3 times the average consumption		3,73%
Coefficient of variation ³ (2013-2015)		12,06%
Coefficient of variation ³ (2021-2023)		13,58%
Trend ⁴ (2013-2023)		-2,55%
Trend ⁵ (2013-2021)		-6,33%
Trend ⁵ (2021-2023)		14,18%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		46.315.502€
Average annual expenditure per insured		4,02€
Average patient share per insured consumer		38,9%
Max/Min Ratio ² of expenditure per insured (by district*)		1,97
Percentage low-cost medication		84,0%
Trend (2013-2023)		-6,35%
Trend (2021-2023)		18,14%

Link to the report: [RAPPORT-EN-Antibiotiques_Medicine_generale_2023.pdf](#)

Antibiotics - Paediatrics

Main prescribers:	10690 - Specialists in paediatrics	80%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		1,40%
Median age		3 y.
Max/min ratio ² of the median age (by district*)		1,33
Percentage of women		48,7%
Ratio Preferential rate/General rate		0,8
Coefficient of variation (2023)		26,9%
Max/min ratio ² of percentage of insured consumers (by district*)		4,2
CONSUMPTION		
Annual consumption (DDD)		1.738.999
Consumption of DDD (per 100.000 insured persons)		15.095
Average annual consumption per insured consumer (in DDD)		11
Percentage insured consumers with more than 3 times the average consumption		3,82%
Coefficient of variation ³ (2013-2015)		23,28%
Coefficient of variation ³ (2021-2023)		27,92%
Trend ⁴ (2013-2023)		-0,53%
Trend ⁵ (2013-2021)		-3,91%
Trend ⁵ (2021-2023)		14,20%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		3.025.569€
Average annual expenditure per insured		0,26€
Average patient share per insured consumer		22,2%
Max/Min Ratio ² of expenditure per insured (by district*)		3,15
Percentage low-cost medication		95,4%
Trend (2013-2023)		-6,11%
Trend (2021-2023)		7,01%

Link to the report: [RAPPORT-EN-Antibiotiques_Pediatric_2023.pdf](#)

Antibiotics - Gynaecology

Main prescribers:	10340 - Specialists in gynaecology-obstetrics	80%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,69%
Median age		35 y.
Max/min ratio ² of the median age (by district*)		1,09
Percentage of women		97,0%
Ratio Preferential rate/General rate		1,1
Coefficient of variation (2023)		25,4%
Max/min ratio ² of percentage of insured consumers (by district*)		2,86
CONSUMPTION		
Annual consumption (DDD)		873.789
Consumption of DDD (per 100.000 insured persons)		7.585
Average annual consumption per insured consumer (in DDD)		11
Percentage insured consumers with more than 3 times the average consumption		3,95%
Coefficient of variation ³ (2013-2015)		24,23%
Coefficient of variation ³ (2021-2023)		24,6%
Trend ⁴ (2013-2023)		-2,03%
Trend ⁵ (2013-2021)		-2,72%
Trend ⁵ (2021-2023)		0,77%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		814.079€
Average annual expenditure per insured		0,07€
Average patient share per insured consumer		35,9%
Max/Min Ratio ² of expenditure per insured (by district*)		2,67
Percentage low-cost medication		66,8%
Trend (2013-2023)		-4,32%
Trend (2021-2023)		5,09%

Link to the report: [RAPPORT-EN-Antibiotiques_Gynecologie_2023.pdf](#)

Antibiotics - Internal medicine

Main prescribers:	10580 - Specialists in internal medicine	91%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,18%
Median age		48 y.
Max/min ratio ² of the median age (by district*)		1,4
Percentage of women		49,9%
Ratio Preferential rate/General rate		1,51
Coefficient of variation (2023)		60,3%
Max/min ratio ² of percentage of insured consumers (by district*)		15,47
CONSUMPTION		
Annual consumption (DDD)		503.092
Consumption of DDD (per 100.000 insured persons)		4.367
Average annual consumption per insured consumer (in DDD)		24
Percentage insured consumers with more than 3 times the average consumption		6,09%
Coefficient of variation ³ (2013-2015)		30,46%
Coefficient of variation ³ (2021-2023)		53,77%
Trend ⁴ (2013-2023)		-5,95%
Trend ⁵ (2013-2021)		-6,05%
Trend ⁵ (2021-2023)		-5,56%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		527.200€
Average annual expenditure per insured		0,05€
Average patient share per insured consumer		29,0%
Max/Min Ratio ² of expenditure per insured (by district*)		11,22
Percentage low-cost medication		92,5%
Trend (2013-2023)		-7,90%
Trend (2021-2023)		1,40%

Link to the report: [RAPPORT-EN-Antibiotiques Medecine interne 2023.pdf](#)

Antibiotics - Gastroenterology

Main prescribers:	10650 - Specialists in gastroenterology	63%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,20%
Median age		56 y.
Max/min ratio ² of the median age (by district*)		1,33
Percentage of women		53,2%
Ratio Preferential rate/General rate		1,5
Coefficient of variation (2023)		27,4%
Max/min ratio ² of percentage of insured consumers (by district*)		2,91
CONSUMPTION		
Annual consumption (DDD)		546.323
Consumption of DDD (per 100.000 insured persons)		4.742
Average annual consumption per insured consumer (in DDD)		24
Percentage insured consumers with more than 3 times the average consumption		2,72%
Coefficient of variation ³ (2013-2015)		33,64%
Coefficient of variation ³ (2021-2023)		34,77%
Trend ⁴ (2013-2023)		-1,83%
Trend ⁵ (2013-2021)		-3,29%
Trend ⁵ (2021-2023)		4,25%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		361.287€
Average annual expenditure per insured		0,03€
Average patient share per insured consumer		41,3%
Max/Min Ratio ² of expenditure per insured (by district*)		3,64
Percentage low-cost medication		92,2%
Trend (2013-2023)		-6,13%
Trend (2021-2023)		7,03%

Link to the report: [RAPPORT-EN-Antibiotiques Gastroenterologie 2023.pdf](#)

Antibiotics - Pneumology

Main prescribers:	10620 - Specialists in pneumology	59%	
CONTEXT			
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%	
PROFILE OF INSURED CONSUMERS			
Percentage of insured consumers		0,33%	
Median age		65 y.	
Max/min ratio ² of the median age (by district*)		1,15	
Percentage of women		51,8%	
Ratio Preferential rate/General rate		1,8	
Coefficient of variation (2023)		24,6%	
Max/min ratio ² of percentage of insured consumers (by district*)		2,46	
CONSUMPTION			
Annual consumption (DDD)		1.327.604	
Consumption of DDD (per 100.000 insured persons)		11.524	
Average annual consumption per insured consumer (in DDD)		35	
Percentage insured consumers with more than 3 times the average consumption		7,05%	
Coefficient of variation ³ (2013-2015)		29,32%	NS
Coefficient of variation ³ (2021-2023)		31,59%	
Trend ⁴ (2013-2023)		2,88%	**
Trend ⁵ (2013-2021)		1,46%	NS
Trend ⁵ (2021-2023)		8,76%	
DIRECT EXPENDITURE (based on DDD)			
Annual expenditure borne by the insurance		2.044.351€	
Average annual expenditure per insured		0,18€	
Average patient share per insured consumer		22,7%	
Max/Min Ratio ² of expenditure per insured (by district*)		3,85	
Percentage low-cost medication		78,6%	
Trend (2013-2023)		0,13%	
Trend (2021-2023)		-7,43%	

Link to the report: [RAPPORT-EN-Antibiotiques_Pneumologie_2023.pdf](#)

Antibiotics - Surgery

Main prescribers:	10140 - Specialists in surgery	88%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,27%
Median age		52 y.
Max/min ratio ² of the median age (by district*)		1,2
Percentage of women		47,6%
Ratio Preferential rate/General rate		1,36
Coefficient of variation (2023)		27,2%
Max/min ratio ² of percentage of insured consumers (by district*)		2,58
CONSUMPTION		
Annual consumption (DDD)		496.815
Consumption of DDD (per 100.000 insured persons)		4.312
Average annual consumption per insured consumer (in DDD)		16
Percentage insured consumers with more than 3 times the average consumption		3,46%
Coefficient of variation ³ (2013-2015)		34,52%
Coefficient of variation ³ (2021-2023)		31,76%
Trend ⁴ (2013-2023)		-2,68%
Trend ⁵ (2013-2021)		-4,55%
Trend ⁵ (2021-2023)		5,17%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		396.735€
Average annual expenditure per insured		0,03€
Average patient share per insured consumer		41,7%
Max/Min Ratio ² of expenditure per insured (by district*)		3,06
Percentage low-cost medication		94,5%
Trend (2013-2023)		-6,58%
Trend (2021-2023)		8,15%

Link to the report: [RAPPORT-EN-Antibiotiques Chirurgie 2023.pdf](#)

Antibiotics - Urology

Main prescribers:	10450 - Specialists in urology	78%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,60%
Median age		66 y.
Max/min ratio ² of the median age (by district*)		1,11
Percentage of women		39,4%
Ratio Preferential rate/General rate		1,23
Coefficient of variation (2023)		23,6%
Max/min ratio ² of percentage of insured consumers (by district*)		2,5
CONSUMPTION		
Annual consumption (DDD)		1.079.739
Consumption of DDD (per 100.000 insured persons)		9.372
Average annual consumption per insured consumer (in DDD)		16
Percentage insured consumers with more than 3 times the average consumption		6,04%
Coefficient of variation ³ (2013-2015)		25,66%
Coefficient of variation ³ (2021-2023)		30,64%
Trend ⁴ (2013-2023)		-6,40%
Trend ⁵ (2013-2021)		-7,10%
Trend ⁵ (2021-2023)		-3,51%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		1.035.738€
Average annual expenditure per insured		0,09€
Average patient share per insured consumer		35,8%
Max/Min Ratio ² of expenditure per insured (by district*)		3,08
Percentage low-cost medication		58,6%
Trend (2013-2023)		-5,87%
Trend (2021-2023)		6,82%

Link to the report: [RAPPORT-EN-Antibiotiques_Urologie_2023.pdf](#)

Antibiotics - Plastic surgery

Main prescribers:	10210 - Specialists in plastic surgery	75%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,14%
Median age		48 y.
Max/min ratio ² of the median age (by district*)		1,33
Percentage of women		76,4%
Ratio Preferential rate/General rate		0,89
Coefficient of variation (2023)		26,0%
Max/min ratio ² of percentage of insured consumers (by district*)		2,69
CONSUMPTION		
Annual consumption (DDD)		197.932
Consumption of DDD (per 100.000 insured persons)		1.718
Average annual consumption per insured consumer (in DDD)		12
Percentage insured consumers with more than 3 times the average consumption		2,50%
Coefficient of variation ³ (2013-2015)		36,58%
Coefficient of variation ³ (2021-2023)		23,14%
		NS
Trend ⁴ (2013-2023)		1,64%
		NS
Trend ⁵ (2013-2021)		0,02%
Trend ⁵ (2021-2023)		8,41%

DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		161.979€
Average annual expenditure per insured		0,01€
Average patient share per insured consumer		41,2%
Max/Min Ratio ² of expenditure per insured (by district*)		2,54
Percentage low-cost medication		93,0%
Trend (2013-2023)		-2,73%
Trend (2021-2023)		8,20%

Link to the report: [RAPPORT-EN-Antibiotiques_Chirurgie_plastique_2023.pdf](#)

Antibiotics - Dentistry

Main prescribers:	30001 - Dental science graduates - general dentist	95%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		3,91%
Median age		49 y.
Max/min ratio ² of the median age (by district*)		1,13
Percentage of women		52,5%
Ratio Preferential rate/General rate		1,37
Coefficient of variation (2023)		27,4%
Max/min ratio ² of percentage of insured consumers (by district*)		2,87
CONSUMPTION		
Annual consumption (DDD)		4.937.933
Consumption of DDD (per 100.000 insured persons)		42.862
Average annual consumption per insured consumer (in DDD)		11
Percentage insured consumers with more than 3 times the average consumption		1,94%
Coefficient of variation ³ (2013-2015)		20,83%
Coefficient of variation ³ (2021-2023)		27,65%
Trend ⁴ (2013-2023)		0,46%
Trend ⁵ (2013-2021)		-0,05%
Trend ⁵ (2021-2023)		2,55%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		4.086.713€
Average annual expenditure per insured		0,35€
Average patient share per insured consumer		36,5%
Max/Min Ratio ² of expenditure per insured (by district*)		3,07
Percentage low-cost medication		99,4%
Trend (2013-2023)		-3,89%
Trend (2021-2023)		3,94%

Link to the report: [RAPPORT-EN-Antibiotiques Dentistes 2023.pdf](#)

Antibiotics - Periodontology

Main prescribers:	30006 - Dentists specialised in periodontology	94%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		12,4%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,24%
Median age		57 y.
Max/min ratio ² of the median age (by district*)		1,07
Percentage of women		56,2%
Ratio Preferential rate/General rate		0,42
Coefficient of variation (2023)		43,6%
Max/min ratio ² of percentage of insured consumers (by district*)		6,04
CONSUMPTION		
Annual consumption (DDD)		252.140
Consumption of DDD (per 100.000 insured persons)		2.189
Average annual consumption per insured consumer (in DDD)		9
Percentage insured consumers with more than 3 times the average consumption		1,47%
Coefficient of variation ³ (2013-2015)		45,39%
Coefficient of variation ³ (2021-2023)		46,88%
Trend ⁴ (2013-2023)		8,13%
Trend ⁵ (2013-2021)		9,18%
Trend ⁵ (2021-2023)		4,01%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		218.734€
Average annual expenditure per insured		0,02€
Average patient share per insured consumer		33,7%
Max/Min Ratio ² of expenditure per insured (by district*)		6,48
Percentage low-cost medication		99,8%
Trend (2013-2023)		4,04%
Trend (2021-2023)		6,83%

Link to the report: [RAPPORT-EN-Antibiotiques Parodontologues 2023.pdf](#)

7. MUSCULO-SKELETAL SYSTEM

Antigout preparations

Main prescribers:	<i>General practitioners</i>	84%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		1,8%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		2,97%
Median age		70 y.
Max/min ratio ² of the median age (by district*)		1,07
Percentage of women		25,6%
Ratio Preferential rate/General rate		1,12
Coefficient of variation (2023)		18,1%
Max/min ratio ² of percentage of insured consumers (by district*)		2,16
CONSUMPTION		
Annual consumption (DDD)		52.947.418
Consumption of DDD (per 100.000 insured persons)		459.593
Average annual consumption per insured consumer (in DDD)		155
Percentage insured consumers with more than 3 times the average consumption		1,15%
Coefficient of variation ³ (2013-2015)		17,82%
Coefficient of variation ³ (2021-2023)		17%
Trend ⁴ (2013-2023)		1,55%
Trend ⁵ (2013-2021)		1,63%
Trend ⁵ (2021-2023)		1,24%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		9.486.029€
Average annual expenditure per insured		0,82€
Average patient share per insured consumer		15,5%
Max/Min Ratio ² of expenditure per insured (by district*)		2,04
Percentage low-cost medication		91,5%
Trend (2013-2023)		2,27%
Trend (2021-2023)		4,25%

Link to the report: [RAPPORT-EN-Antigoutteux_2023.pdf](#)

Drugs affecting bone structure and mineralization

Main prescribers:	<i>General practitioners</i>	64%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		1,9%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		1,29%
Median age		74 y.
Max/min ratio ² of the median age (by district*)		1,07
Percentage of women		87,3%
Ratio Preferential rate/General rate		1,2
Coefficient of variation (2023)		25,8%
Max/min ratio ² of percentage of insured consumers (by district*)		2,34
CONSUMPTION		
Annual consumption (DDD)		58.991.137
Consumption of DDD (per 100.000 insured persons)		512.053
Average annual consumption per insured consumer (in DDD)		397
Percentage insured consumers with more than 3 times the average consumption		4,17%
Coefficient of variation ³ (2013-2015)		14,71%
Coefficient of variation ³ (2021-2023)		26,89%
Trend ⁴ (2013-2023)		-0,75%
Trend ⁵ (2013-2021)		-1,02%
Trend ⁵ (2021-2023)		0,34%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		45.999.876€
Average annual expenditure per insured		3,99€
Average patient share per insured consumer		5,9%
Max/Min Ratio ² of expenditure per insured (by district*)		2,94
Percentage low-cost medication		33,8%
Trend (2013-2023)		-0,34%
Trend (2021-2023)		7,93%

Link to the report:

[RAPPORT-EN-Preparations affectant la structure et la mineralisation de los 2023.pdf](#)

Non-steroidal anti-inflammatory drugs (NSAID)

Main prescribers:	<i>General practitioners</i>	72%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		32,7%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		23,65%
Median age		50 y.
Max/min ratio ² of the median age (by district*)		1,06
Percentage of women		54,8%
Ratio Preferential rate/General rate		1,07
Coefficient of variation (2023)		11,2%
Max/min ratio ² of percentage of insured consumers (by district*)		1,58
CONSUMPTION		
Annual consumption (DDD)		129.982.414
Consumption of DDD (per 100.000 insured persons)		1.128.270
Average annual consumption per insured consumer (in DDD)		48
Percentage insured consumers with more than 3 times the average consumption		4,87%
Coefficient of variation ³ (2013-2015)		9,79%
Coefficient of variation ³ (2021-2023)		17,81%
Trend ⁴ (2013-2023)		-2,25%
Trend ⁵ (2013-2021)		-2,97%
Trend ⁵ (2021-2023)		0,66%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		37.655.968€
Average annual expenditure per insured		3,27€
Average patient share per insured consumer		13,3%
Max/Min Ratio ² of expenditure per insured (by district*)		1,85
Percentage low-cost medication		87,0%
Trend (2013-2023)		-3,84%
Trend (2021-2023)		2,54%

Link to the report: [RAPPORT-EN-Anti-inflammatoires_non_steroidiens_AINS_2023.pdf](#)

8. NERVOUS SYSTEM

Antidepressants

Main prescribers:	<i>General practitioners</i>	74%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		0,7%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		11,58%
Median age		58 y.
Max/min ratio ² of the median age (by district*)		1,05
Percentage of women		65,8%
Ratio Preferential rate/General rate		1,69
Coefficient of variation (2023)		11,4%
Max/min ratio ² of percentage of insured consumers (by district*)		1,6
CONSUMPTION		
Annual consumption (DDD)		384.006.320
Consumption of DDD (per 100.000 insured persons)		3.333.242
Average annual consumption per insured consumer (in DDD)		288
Percentage insured consumers with more than 3 times the average consumption		4,02%
Coefficient of variation ³ (2013-2015)		16,87%
Coefficient of variation ³ (2021-2023)		13,15%
		NS
Trend ⁴ (2013-2023)		1,99%

Trend ⁵ (2013-2021)		2,03%
Trend ⁵ (2021-2023)		1,82%
		NS
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		88.648.015€
Average annual expenditure per insured		7,69€
Average patient share per insured consumer		21,5%
Max/Min Ratio ² of expenditure per insured (by district*)		1,64
Percentage low-cost medication		95,8%
Trend (2013-2023)		-4,48%
Trend (2021-2023)		1,93%

Link to the report: [RAPPORT-EN-Antidepresseurs_2023.pdf](#)

Antipsychotics

Main prescribers:	<i>General practitioners</i>	57%	
CONTEXT			
Percentage of sales not covered by the health insurance (NIHDI) ¹		1,9%	
PROFILE OF INSURED CONSUMERS			
Percentage of insured consumers		3,26%	
Median age		57 y.	
Max/min ratio ² of the median age (by district*)		1,13	
Percentage of women		55,0%	
Ratio Preferential rate/General rate		3,62	
Coefficient of variation (2023)		12,9%	
Max/min ratio ² of percentage of insured consumers (by district*)		1,53	
CONSUMPTION			
Annual consumption (DDD)		56.748.613	
Consumption of DDD (per 100.000 insured persons)		492.588	
Average annual consumption per insured consumer (in DDD)		151	
Percentage insured consumers with more than 3 times the average consumption		8,19%	
Coefficient of variation ³ (2013-2015)		14,92%	NS
Coefficient of variation ³ (2021-2023)		14,97%	
Trend ⁴ (2013-2023)		0,38%	NS
Trend ⁵ (2013-2021)		0,97%	**
Trend ⁵ (2021-2023)		-1,92%	
DIRECT EXPENDITURE (based on DDD)			
Annual expenditure borne by the insurance		81.961.596€	
Average annual expenditure per insured		7,11€	
Average patient share per insured consumer		11,5%	
Max/Min Ratio ² of expenditure per insured (by district*)		2,04	
Percentage low-cost medication		71,3%	
Trend (2013-2023)		-3,54%	
Trend (2021-2023)		-2,47%	

Link to the report: [RAPPORT-EN-Antipsychotiques_2023.pdf](#)

Antivertigo preparations

Main prescribers:	<i>General practitioners</i>	84%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		10,5%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		1,54%
Median age		69 y.
Max/min ratio ² of the median age (by district*)		1,21
Percentage of women		69,5%
Ratio Preferential rate/General rate		1,39
Coefficient of variation (2023)		21,8%
Max/min ratio ² of percentage of insured consumers (by district*)		1,91
CONSUMPTION		
Annual consumption (DDD)		34.399.545
Consumption of DDD (per 100.000 insured persons)		298.594
Average annual consumption per insured consumer (in DDD)		194
Percentage insured consumers with more than 3 times the average consumption		7,50%
Coefficient of variation ³ (2013-2015)		28,08%
Coefficient of variation ³ (2021-2023)		30,17%
Trend ⁴ (2013-2023)		-1,61%
Trend ⁵ (2013-2021)		-0,48%
Trend ⁵ (2021-2023)		-6,02%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		2.613.452€
Average annual expenditure per insured		0,23€
Average patient share per insured consumer		63,1%
Max/Min Ratio ² of expenditure per insured (by district*)		3,08
Percentage low-cost medication		39,4%
Trend (2013-2023)		-0,93%
Trend (2021-2023)		4,32%

Link to the report: [RAPPORT-EN-Preparations_antivertigineuses_2023.pdf](#)

Dopaminergic agents (anti-parkinson drug)

Main prescribers:	<i>General practitioners</i>	59%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		2,8%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,70%
Median age		75 y.
Max/min ratio ² of the median age (by district*)		1,08
Percentage of women		55,0%
Ratio Preferential rate/General rate		1,5
Coefficient of variation (2023)		16,1%
Max/min ratio ² of percentage of insured consumers (by district*)		2,22
CONSUMPTION		
Annual consumption (DDD)		18.911.765
Consumption of DDD (per 100.000 insured persons)		164.157
Average annual consumption per insured consumer (in DDD)		235
Percentage insured consumers with more than 3 times the average consumption		8,85%
Coefficient of variation ³ (2013-2015)		17,3%
Coefficient of variation ³ (2021-2023)		16,8%
Trend ⁴ (2013-2023)		0,21%
Trend ⁵ (2013-2021)		0,35%
Trend ⁵ (2021-2023)		-0,36%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		22.027.507€
Average annual expenditure per insured		1,91€
Average patient share per insured consumer		17,0%
Max/Min Ratio ² of expenditure per insured (by district*)		1,85
Percentage low-cost medication		89,2%
Trend (2013-2023)		-3,36%
Trend (2021-2023)		-0,12%

Link to the report: [RAPPORT-EN-Agents_dopaminergiques_antiparkinsoniens_2023.pdf](#)

Gabapentinoids

Main prescribers:	<i>General practitioners</i>	72%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		5,1%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		1,80%
Median age		64 y.
Max/min ratio ² of the median age (by district*)		1,1
Percentage of women		60,5%
Ratio Preferential rate/General rate		2,4
Coefficient of variation (2023)		20,0%
Max/min ratio ² of percentage of insured consumers (by district*)		2,21
CONSUMPTION		
Annual consumption (DDD)		28.901.060
Consumption of DDD (per 100.000 insured persons)		250.866
Average annual consumption per insured consumer (in DDD)		139
Percentage insured consumers with more than 3 times the average consumption		7,04%
Coefficient of variation ³ (2013-2015)		20,09%
Coefficient of variation ³ (2021-2023)		17,51%
Trend ⁴ (2013-2023)		9,56%
Trend ⁵ (2013-2021)		11,50%
Trend ⁵ (2021-2023)		2,14%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		18.196.262€
Average annual expenditure per insured		1,58€
Average patient share per insured consumer		18,9%
Max/Min Ratio ² of expenditure per insured (by district*)		1,91
Percentage low-cost medication		100,0%
Trend (2013-2023)		-2,09%
Trend (2021-2023)		1,79%

Link to the report: [RAPPORT-EN-Gabapentinoides_2023.pdf](#)

Methylphenidate

Main prescribers:	<i>Psychiatry</i>	44%	
CONTEXT			
Percentage of sales not covered by the health insurance (NIHDI) ¹		NA	
PROFILE OF INSURED CONSUMERS			
Percentage of insured consumers		2,18%	
Median age		13 y.	
Max/min ratio ² of the median age (by district*)		1,08	
Percentage of women		26,4%	
Ratio Preferential rate/General rate		0,77	
Coefficient of variation (2023)		53,1%	
Max/min ratio ² of percentage of insured consumers (by district*)		7,44	
CONSUMPTION			
Annual consumption (DDD)		5.741.119	
Consumption of DDD (per 100.000 insured persons)		361.665	
Average annual consumption per insured consumer (in DDD)		166	
Percentage insured consumers with more than 3 times the average consumption		3,35%	
Coefficient of variation ³ (2013-2015)		60,82%	NS
Coefficient of variation ³ (2021-2023)		62,98%	
Trend ⁴ (2013-2023)		1,82%	***
Trend ⁵ (2013-2021)		2,09%	*
Trend ⁵ (2021-2023)		0,73%	
DIRECT EXPENDITURE (based on DDD)			
Annual expenditure borne by the insurance		5.129.270€	
Average annual expenditure per insured		3,23€	
Average patient share per insured consumer		20,2%	
Max/Min Ratio ² of expenditure per insured (by district*)		12,96	
Percentage low-cost medication		NA	
Trend (2013-2023)		-0,86%	
Trend (2021-2023)		2,00%	

Link to the report: [RAPPORT-EN-Methylphenidate_6-17_2023.pdf](#)

Opioids

Main prescribers:	<i>General practitioners</i>	79%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		19,1%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		9,79%
Median age		59 y.
Max/min ratio ² of the median age (by district*)		1,05
Percentage of women		57,7%
Ratio Preferential rate/General rate		1,68
Coefficient of variation (2023)		17,6%
Max/min ratio ² of percentage of insured consumers (by district*)		1,71
CONSUMPTION		
Annual consumption (DDD)		64.346.658
Consumption of DDD (per 100.000 insured persons)		558.540
Average annual consumption per insured consumer (in DDD)		57
Percentage insured consumers with more than 3 times the average consumption		8,72%
Coefficient of variation ³ (2013-2015)		20,74%
Coefficient of variation ³ (2021-2023)		15,83%
Trend ⁴ (2013-2023)		-0,50%
Trend ⁵ (2013-2021)		0,92%
Trend ⁵ (2021-2023)		-5,99%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		54.938.741€
Average annual expenditure per insured		4,77€
Average patient share per insured consumer		21,6%
Max/Min Ratio ² of expenditure per insured (by district*)		1,53
Percentage low-cost medication		96,7%
Trend (2013-2023)		-1,94%
Trend (2021-2023)		-3,16%

Link to the report: [RAPPORT-EN-Opiaces_2023.pdf](#)

Antimigraine preparation

Main prescribers:	Neurology	56%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		45,9%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		0,34%
Median age		45 y.
Max/min ratio ² of the median age (by district*)		1,14
Percentage of women		81,9%
Ratio Preferential rate/General rate		1,07
Coefficient of variation (2023)		30,1%
Max/min ratio ² of percentage of insured consumers (by district*)		2,91
CONSUMPTION		
Annual consumption (DDD)		6.512.864
Consumption of DDD (per 100.000 insured persons)		56.533
Average annual consumption per insured consumer (in DDD)		165
Percentage insured consumers with more than 3 times the average consumption		9,81%
Coefficient of variation ³ (2013-2015)		26,52%
Coefficient of variation ³ (2021-2023)		31,13%
Trend ⁴ (2013-2023)		28,71%
Trend ⁵ (2013-2021)		25,40%
Trend ⁵ (2021-2023)		42,83%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		49.047.665€
Average annual expenditure per insured		4,26€
Average patient share per insured consumer		3,4%
Max/Min Ratio ² of expenditure per insured (by district*)		3,62
Percentage low-cost medication		38,2%
Trend (2013-2023)		41,90%
Trend (2021-2023)		89,43%

Link to the report: [RAPPORT-EN-Antimigraineux_2023.pdf](#)

9. RESPIRATORY SYSTEM

Antihistamines for systemic use

Main prescribers:	<i>General practitioners</i>	81%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		28,0%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		4,58%
Median age		50 y.
Max/min ratio ² of the median age (by district*)		1,13
Percentage of women		59,9%
Ratio Preferential rate/General rate		1,16
Coefficient of variation (2023)		28,3%
Max/min ratio ² of percentage of insured consumers (by district*)		2,67
CONSUMPTION		
Annual consumption (DDD)		62.050.270
Consumption of DDD (per 100.000 insured persons)		538.607
Average annual consumption per insured consumer (in DDD)		118
Percentage insured consumers with more than 3 times the average consumption		7,92%
Coefficient of variation ³ (2013-2015)		13,08%
Coefficient of variation ³ (2021-2023)		17,37%
Trend ⁴ (2013-2023)		-0,72%
Trend ⁵ (2013-2021)		-0,79%
Trend ⁵ (2021-2023)		-0,44%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		5.725.344€
Average annual expenditure per insured		0,5€
Average patient share per insured consumer		46,6%
Max/Min Ratio ² of expenditure per insured (by district*)		2,25
Percentage low-cost medication		100,0%
Trend (2013-2023)		-2,83%
Trend (2021-2023)		3,12%

Link to the report: [RAPPORT-EN-Antihistaminiques_a_usage_systemique_2023.pdf](#)

Drugs for obstructive airway diseases

Main prescribers:	<i>General practitioners</i>	73%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		3,2%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		15,73%
Median age		48 y.
Max/min ratio ² of the median age (by district*)		1,26
Percentage of women		53,8%
Ratio Preferential rate/General rate		1,17
Coefficient of variation (2023)		17,9%
Max/min ratio ² of percentage of insured consumers (by district*)		1,87
CONSUMPTION		
Annual consumption (DDD)		247.574.990
Consumption of DDD (per 100.000 insured persons)		2.148.994
Average annual consumption per insured consumer (in DDD)		137
Percentage insured consumers with more than 3 times the average consumption		7,67%
Coefficient of variation ³ (2013-2015)		10,7%
Coefficient of variation ³ (2021-2023)		13,58%
Trend ⁴ (2013-2023)		-0,33%
Trend ⁵ (2013-2021)		-1,10%
Trend ⁵ (2021-2023)		2,81%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		262.252.036€
Average annual expenditure per insured		22,76€
Average patient share per insured consumer		11,8%
Max/Min Ratio ² of expenditure per insured (by district*)		1,4
Percentage low-cost medication		43,5%
Trend (2013-2023)		2,74%
Trend (2021-2023)		8,74%

Link to the report: [RAPPORT-EN-Medic. affections respiratoires obstructives 2023.pdf](#)

10. SENSORY ORGANS

Antiglaucoma preparations and miotics

Main prescribers:	<i>Ophthalmological surgery</i>	78%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		6,1%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		2,18%
Median age		73 y.
Max/min ratio ² of the median age (by district*)		1,04
Percentage of women		53,6%
Ratio Preferential rate/General rate		0,99
Coefficient of variation (2023)		14,0%
Max/min ratio ² of percentage of insured consumers (by district*)		1,83
CONSUMPTION		
Annual consumption (DDD)		103.230.156
Consumption of DDD (per 100.000 insured persons)		896.056
Average annual consumption per insured consumer (in DDD)		411
Percentage insured consumers with more than 3 times the average consumption		4,69%
Coefficient of variation ³ (2013-2015)		15,47%
Coefficient of variation ³ (2021-2023)		14,64%
Trend ⁴ (2013-2023)		4,79%
Trend ⁵ (2013-2021)		5,18%
Trend ⁵ (2021-2023)		3,22%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		20.595.220€
Average annual expenditure per insured		1,79€
Average patient share per insured consumer		22,0%
Max/Min Ratio ² of expenditure per insured (by district*)		1,73
Percentage low-cost medication		83,5%
Trend (2013-2023)		-1,45%
Trend (2021-2023)		2,32%

Link to the report: [RAPPORT-EN-Myotiques et preparations contre le glaucome 2023.pdf](#)

11. IMMUNITY

Vaccination against influenza (65+/excl. nursing homes)

Main prescribers:	<i>Pseudo-prescriptions</i>	77%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		1,0%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		50,93%
Median age		75 y.
Max/min ratio ² of the median age (by district*)		1
Percentage of women		54,7%
Ratio Preferential rate/General rate		0,86
Coefficient of variation (2023)		15,8%
Max/min ratio ² of percentage of insured consumers (by district*)		1,65
CONSUMPTION		
Annual consumption (DDD)		1.292.501
Consumption of DDD (per 100.000 insured persons)		53.360
Average annual consumption per insured consumer (in DDD)		1
Percentage insured consumers with more than 3 times the average consumption		0,00%
Coefficient of variation ³ (2015-2017)		10,18%
Coefficient of variation ³ (2021-2023)		14,49%
Trend ⁴ (2015-2023)		0,10%
Trend ⁵ (2015-2021)		1,67%
Trend ⁵ (2021-2023)		-4,45%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		17.198.561€
Average annual expenditure per insured		7,1€
Average patient share per insured consumer		21,8%
Max/Min Ratio ² of expenditure per insured (by district*)		1,64
Percentage low-cost medication		NA
Trend (2015-2023)		7,18%
Trend (2021-2023)		-2,77%

Link to the report: [RAPPORT-EN-Vaccination contre la grippe hors MRS-MRPA 65 et plus 2023.pdf](#)

12. CROSS-SYSTEM ANALYSES

Polypharmacy (65 years and older)

Main prescribers:	<i>General practitioners</i>	79%
CONTEXT		
Percentage of sales not covered by the health insurance (NIHDI) ¹		31,8%
PROFILE OF INSURED CONSUMERS		
Percentage of insured consumers		43,71%
Median age		76 y.
Max/min ratio ² of the median age (by district*)		1,04
Percentage of women		54,7%
Ratio Preferential rate/General rate		1,31
Coefficient of variation (2023)		7,7%
Max/min ratio ² of percentage of insured consumers (by district*)		1,35
CONSUMPTION		
Annual consumption (DDD)		2.167.516.806
Consumption of DDD (per 100.000 insured persons)		89.484.758
Average annual consumption per insured consumer (in DDD)		2.047
Percentage insured consumers with more than 3 times the average consumption		0,41%
Coefficient of variation ³ (2020-2022)		9,23%
Coefficient of variation ³ (2021-2023)		9,04%
Trend ⁴ (2020-2023)		1,14%
Trend ⁵ (2020-2021)		0,68%
Trend ⁵ (2021-2023)		1,37%
DIRECT EXPENDITURE (based on DDD)		
Annual expenditure borne by the insurance		990.887.744€
Average annual expenditure per insured		409,08€
Average patient share per insured consumer		11,5%
Max/Min Ratio ² of expenditure per insured (by district*)		1,37
Percentage low-cost medication		69,4%
Trend (2020-2023)		5,55%
Trend (2021-2023)		6,92%

Link to the report: [RAPPORT-EN-Polymedication_65_et_plus_min_80_DDD_2023.pdf](#)

Anticholinergics (65 years and older)

Main prescribers:	<i>General practitioners</i>	85%	
CONTEXT			
Percentage of sales not covered by the health insurance (NIHDI) ¹		37,4%	
PROFILE OF INSURED CONSUMERS			
Percentage of insured consumers		17,77%	
Median age		75 y.	
Max/min ratio ² of the median age (by district*)		1,04	
Percentage of women		65,5%	
Ratio Preferential rate/General rate		1,54	
Coefficient of variation (2023)		11,8%	
Max/min ratio ² of percentage of insured consumers (by district*)		1,52	
CONSUMPTION			
Annual consumption (DDD)		135.281.540	
Consumption of DDD (per 100.000 insured persons)		5.585.025	
Average annual consumption per insured consumer (in DDD)		314	
Percentage insured consumers with more than 3 times the average consumption		2,87%	
Coefficient of variation ³ (2020-2022)		13,02%	NS
Coefficient of variation ³ (2021-2023)		13,06%	
Trend ⁴ (2020-2023)		-0,09%	NS
Trend ⁵ (2020-2021)		0,31%	NA
Trend ⁵ (2021-2023)		-0,28%	
DIRECT EXPENDITURE (based on DDD)			
Annual expenditure borne by the insurance		42.872.285€	
Average annual expenditure per insured		17,7€	
Average patient share per insured consumer		20,9%	
Max/Min Ratio ² of expenditure per insured (by district*)		1,49	
Percentage low-cost medication		86,1%	
Trend (2020-2023)		-0,84%	
Trend (2021-2023)		-0,14%	

Link to the report: [RAPPORT-EN-Anticholinergiques_65_et_plus_min_80_DDD_2023.pdf](#)

13. FOOTNOTES

- 1 Approximate value estimated from the discrepancy between the sales declarations of wholesalers to pharmacies converted into DDD and what is paid by the health insurance and the patients' share (see Annex D). This is a contextual indicator.
- 2 An 'NA' result indicates a ratio, which cannot be calculated, i.e. the minimum value equals zero.
- 3 The test compares the coefficients of variation for the two periods and indicates whether the difference is statistically significant.
- 4 The test indicates whether the observed slope is statistically significantly different from 0%.
- 5 The test indicates whether the break in trend between the two periods is statistically significant.