

Surgical ward

Transplant ward 4.3%

12.8%

Antifungal consumption in Belgium between 2015-2024

Trends in Medical Mycology

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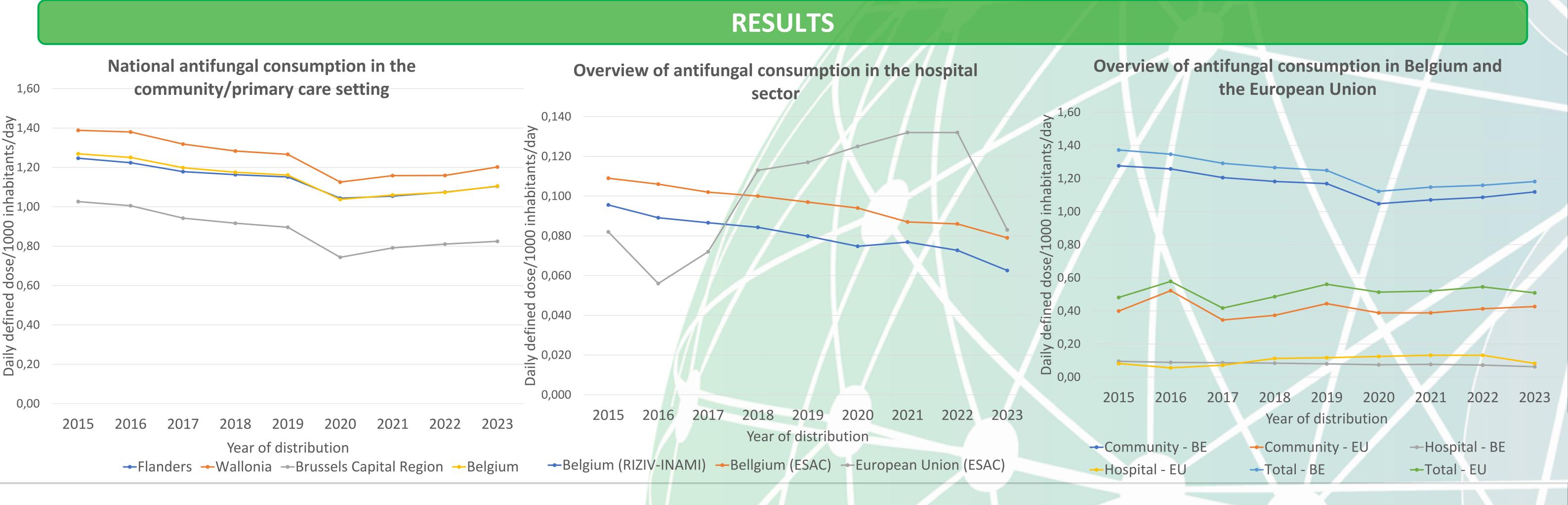
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BACKGROUND & OBJECTIVES

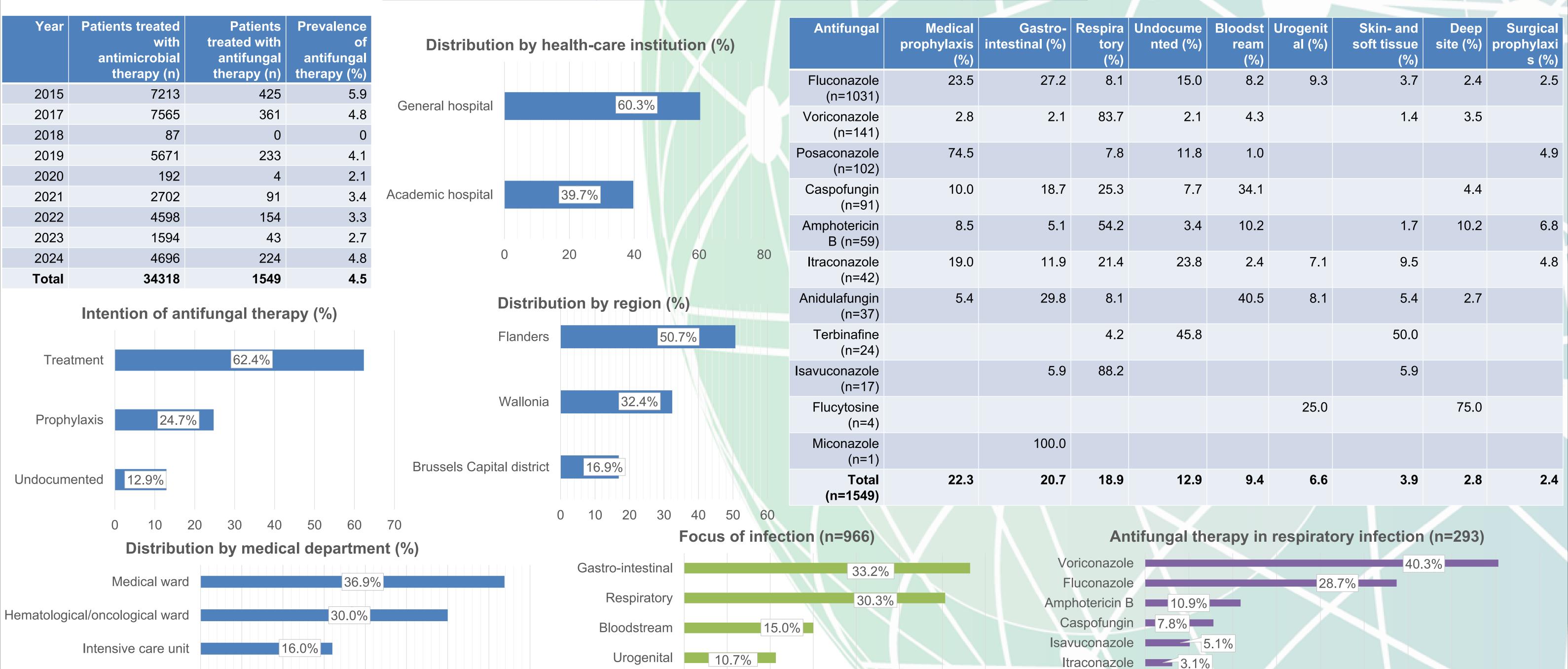
- First Fungal Priority Pathogens list to guide research, development and public health action (1).
- Belgium has a historically high antifungal consumption per capita (2).
- Determine Belgian antifungal consumption from 2015 onwards.
- Describe prescribing patterns of antifungal therapy in Belgian hospitals.

METHODS

- Analysis of national reimbursement statistics through Pharmanet concerning antifungal therapy from 2015-2023.
- 1. Comparison of antifungal consumption in community and hospital sector and between Belgian districts.
- 2. Comparison of antifungal consumption with other European countries through the European Surveillance of Antimicrobial Consumption Network (ESAC-Net).
- Descriptive analysis of antifungal consumption patterns in hospitalised patients through successive point-prevalence surveys (Global-PPS) in Belgian hospitals from 2015-2024 (402 surveys of 140 acute care hospitals).



Global-PPS consumption patterns in antifungal therapy (n=1549)



CONCLUSION

- Antifungal consumption per capita is 2.4x higher in Belgium compared to the average of the EU, driven mainly by usage in the community.
- Figure 1. Control of the control of
- > Antifungal stewardship initiatives focusing on the distinction of fungal colonization and infection might be effective to reduce antifungal consumption in the hospitalized patients.
- > Successive point prevalence surveys such as Global-PPS are time- and cost-effective to monitor antifungal consumption and reported indications.

REFERENCES

Posaconazole 2.7%

Anidulafungin 1.0%

Terbinafine 1 0.3

1. Sati H, Beardsley AA-IJ, Morrissey O, Alffenaar J-W, Howard K, Kim HY, et al. WHO fungal priority pathogens list to guide research, development and public health action. Geneva: World Health Organization, Division WHOAR; 2022.

2. Goemaere B, Lagrou K, Spriet I, Hendrickx M, Vandael E, Becker P, et al. Systemic antifungal drug use in Belgium—One of the biggest antifungal consumers in Europe. Mycoses. 2019;62(6):542-50.



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Skin and soft-tissue 6.2%

Deep site 4.6%