

Overview of outbreaks with multi-drug resistant organism (MDRO) where epidemic support has been provided, Belgium, December 2014 - December 2020ⁱ

| Start request for help | Region | MDRO group | Resistance mechanism | Type of germ (Genus, species or family) |
|------------------------|----------|------------|----------------------|--|
| 18.12.2014 | Flanders | VRE | VanA | <i>Enterococcus faecium</i> |
| 09.01.2015 | Flanders | CA-MRSA | (PVL+) | <i>Staphylococcus aureus</i> |
| 29.01.2015 | Flanders | CPE | VIM | Enterobacterales |
| 23.03.2015 | Flanders | VRE | VanA | <i>Enterococcus faecium</i> |
| 21.05.2015 | Flanders | CPE | OXA-48 | <i>Klebsiella pneumoniae</i> |
| 10.06.2015 | Wallonia | CPE | OXA-48 | <i>Klebsiella pneumoniae</i> |
| 24.09.2015 | Brussels | PSAR | | <i>Pseudomonas aeruginosa</i> |
| 08.01.2016 | Flanders | CA-MRSA | (PVL+) | <i>Staphylococcus aureus</i> |
| 19.02.2016 | Wallonia | CPE | NDM | Enterobacterales |
| 19.02.2016 | Wallonia | VRE | VanA | <i>Enterococcus faecium</i> |
| 25.04.2016 | Flanders | CA-MRSA | | <i>Staphylococcus aureus</i> |
| 23.05.2016 | Wallonia | CPE | OXA-48 + NDM | <i>Klebsiella pneumoniae</i> |
| 01.07.2016 | Flanders | VRE | VanA | <i>Enterococcus faecium</i> |
| 05.07.2016 | Wallonia | VRE | VanA | <i>Enterococcus faecium</i> |
| 07.12.2016 | Wallonia | CPE | | <i>Klebsiella pneumonia</i> |
| 18.01.2017 | Flanders | VRE | VanB | <i>Enterococcus faecium</i> |
| 30.01.2017 | Wallonia | CPE | OXA-48 | Enterobacterales |
| 21.03.2017 | Flanders | CPE | | Enterobacterales |
| 29.03.2017 | Flanders | VRE | VanB | <i>Enterococcus faecium</i> |
| 21.04.2017 | Wallonia | PSAR | | <i>Pseudomonas aeruginosa</i> |
| 02.08.2017 | Flanders | VRE | VanA | <i>Enterococcus faecium</i> |
| 01.09.2017 | Flanders | CPE | | <i>Klebsiella oxytoca</i> |
| 02.10.2017 | Flanders | GAS | | <i>Streptococcus pyogenes</i> |
| 21.10.2017 | Flanders | CA-MRSA | | <i>Staphylococcus aureus</i> |
| 04.01.2018 | Flanders | VRE | VanA | <i>Enterococcus faecium</i> |
| 19.02.2018 | Flanders | ESBL- | | <i>Enterobacter cloacae</i> |
| 14.03.2018 | Flanders | ESBL- | | <i>Enterobacter cloacae</i> |
| 17.05.2018 | Wallonia | VRE | VanA | <i>Enterococcus faecium</i> |
| 28.05.2018 | Flanders | CPE | OXA-48 | <i>Citrobacter freundii</i> |
| 07.06.2018 | Flanders | CDIF | | <i>Clostridioides difficile</i> |
| 20.06.2018 | Wallonia | CPE | OXA-48 | <i>E.coli</i> , <i>Citrobacter freundii</i> , <i>Morganella morganii</i> , <i>Raoultella planticola</i> , <i>Klebsiella pneumoniae</i> |
| 21.06.2018 | Flanders | ESBL | | <i>Klebsiella pneumoniae</i> |
| 09.11.2018 | Flanders | CNS | | <i>Staphylococcus capitis</i> |
| 27.11.2018 | Wallonia | CPE | OXA-48 + KPC | <i>Klebsiella pneumoniae</i> |
| 15.02.2019 | Brussels | PSAR | | <i>Pseudomonas aeruginosa</i> |
| 18.02.2019 | Wallonia | VRE | VanA | <i>Enterococcus species</i> |
| 02.03.2019 | Wallonia | VRE | | <i>Enterococcus faecium</i> |
| 25.10.2019 | Flanders | CPE | OXA-48 | <i>Klebsiella pneumoniae</i> |
| 09.12.2019 | Wallonia | CPE | OXA-48 | <i>Klebsiella pneumoniae</i> , <i>Citrobacter freundii</i> , <i>Enterobacter cloacae</i> , <i>Escherichia coli</i> |

CA-MRSA: Community-Associated Methicilline-Resistent *Staphylococcus Aureus*; CNS: Coagulase-Negative *Staphylococcus*; CPE: Carbapenemase-Producing Enterobacterales; GAS: Group A Streptococci; KPC: *Klebsiella pneumoniae* carbapenemase; NDM: New Delhi Metallo Beta-Lactamase; OXA-48: Oxacillinase-48; PSAR: *Pseudomonas aeruginosa*; PVL: Panton-Valentine Leukocidin; VIM: Verona Integron-encoded Beta-Lactamase; VRE: Vancomycine-Resistent *Enterococcus*

ⁱ Translated from Rapport d'activités 2020. Accord de coopération entre l'Agence pour une vie de qualité (AVIQ) et Sciensano.