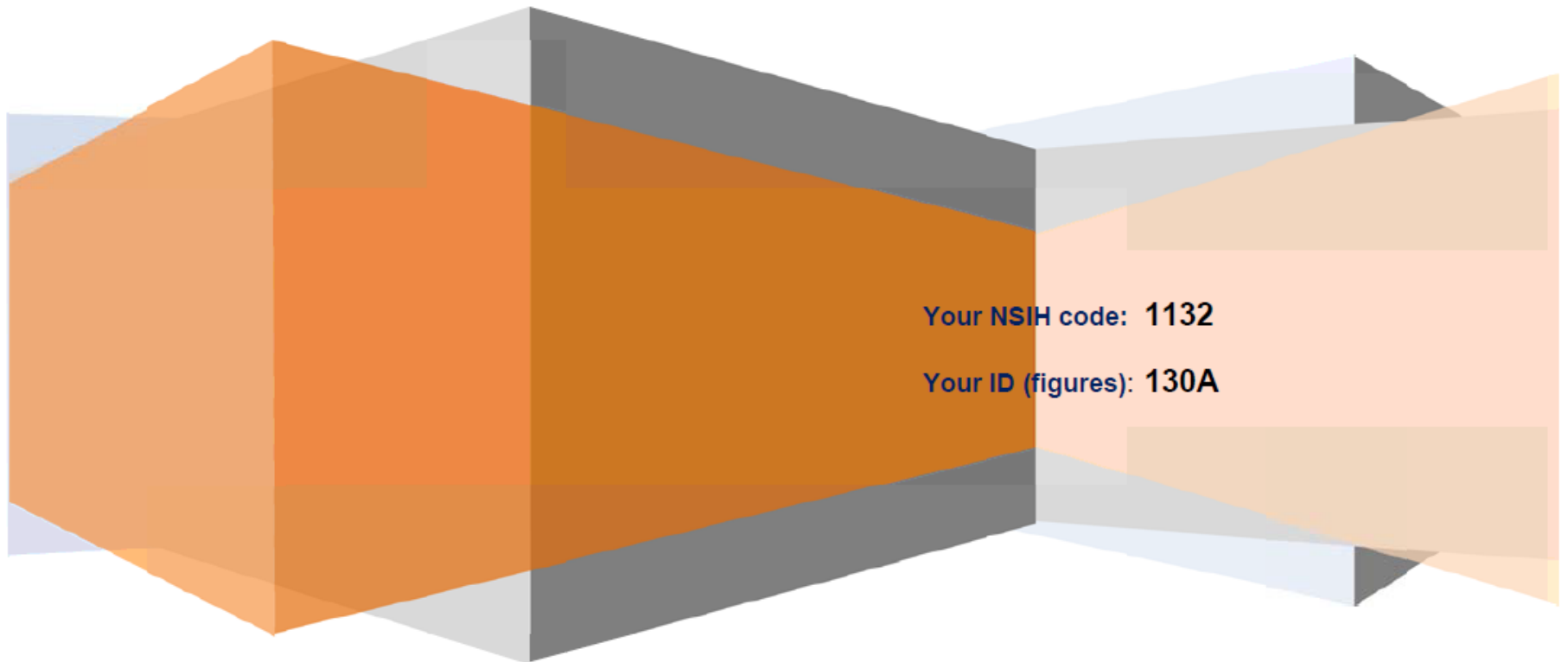
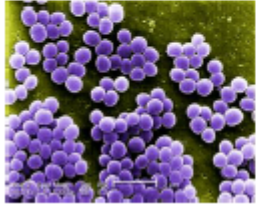


Surveillance of antimicrobial resistant bacteria in Belgian hospitals

Feedback: 2016



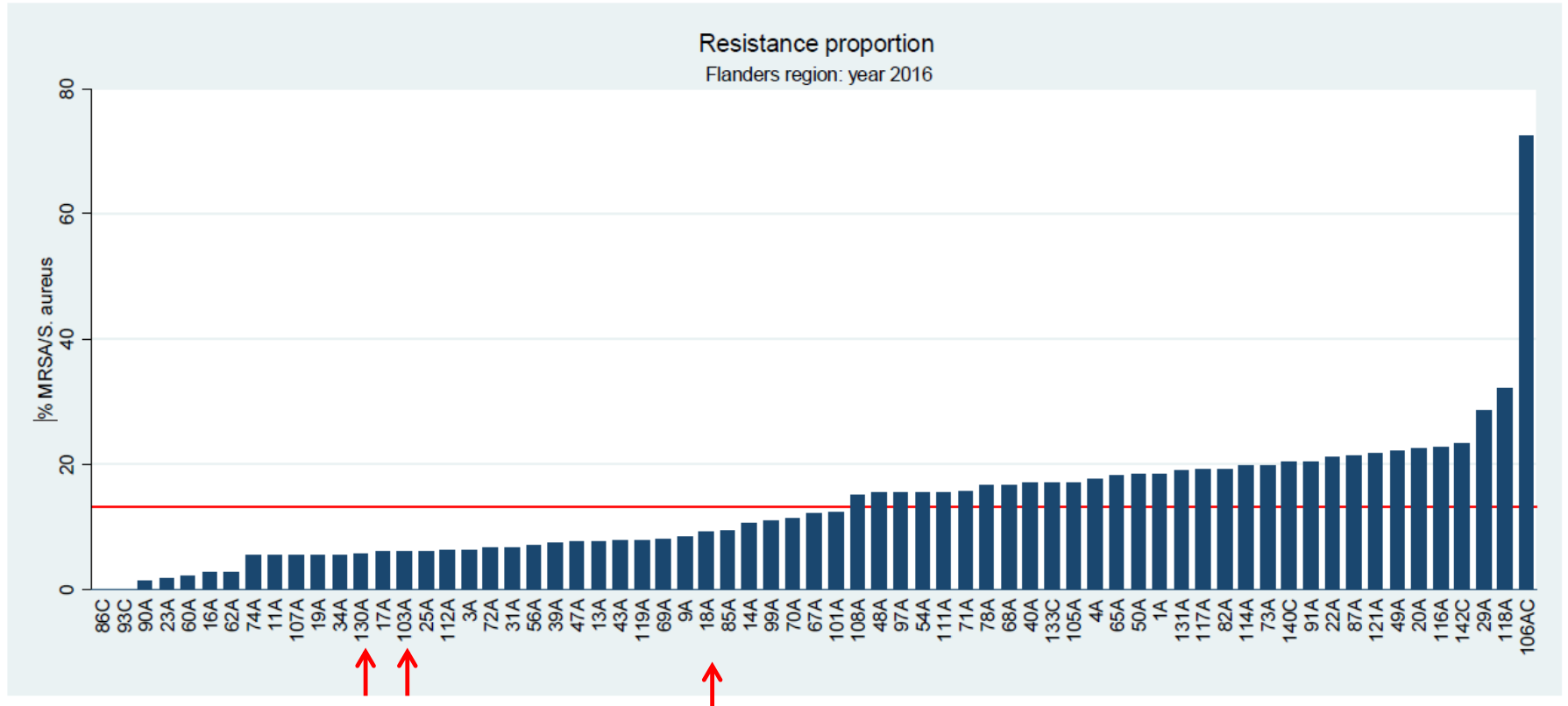
Part 1: Gram-positive Bacteria



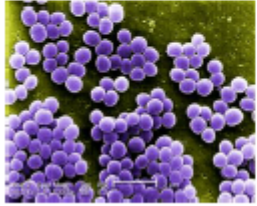
Methicillin Resistant *Staphylococcus aureus*
(MRSA)

MRSA SA-SV-SJ

Figure 1: Resistance proportion (%) if region = Flanders region



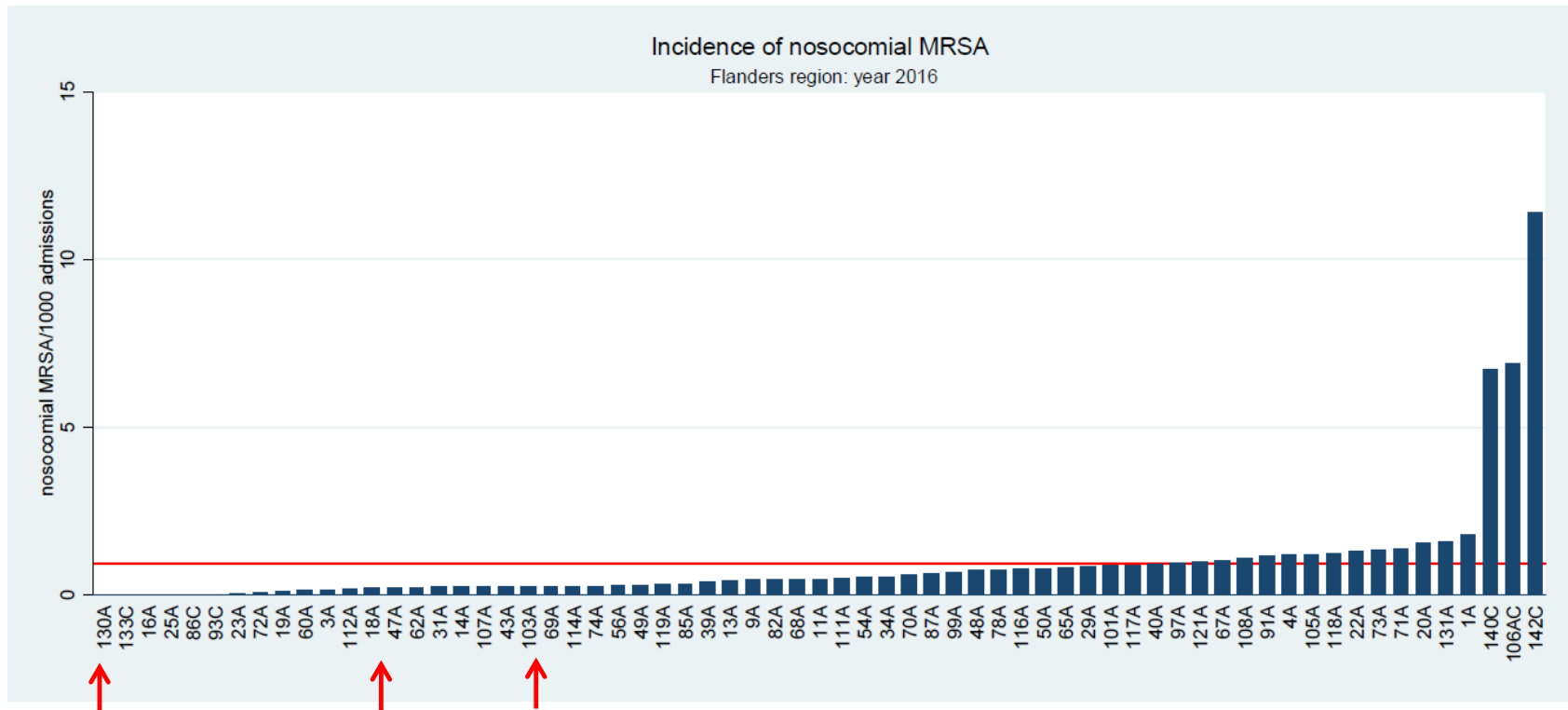
Part 1: Gram-positive Bacteria



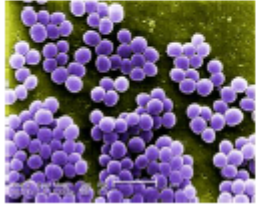
Methicillin Resistant *Staphylococcus aureus*
(MRSA)

MRSA SA-SV-SJ

Figure 2: Incidence of nosocomial MRSA/1000 admissions if region = Flanders region



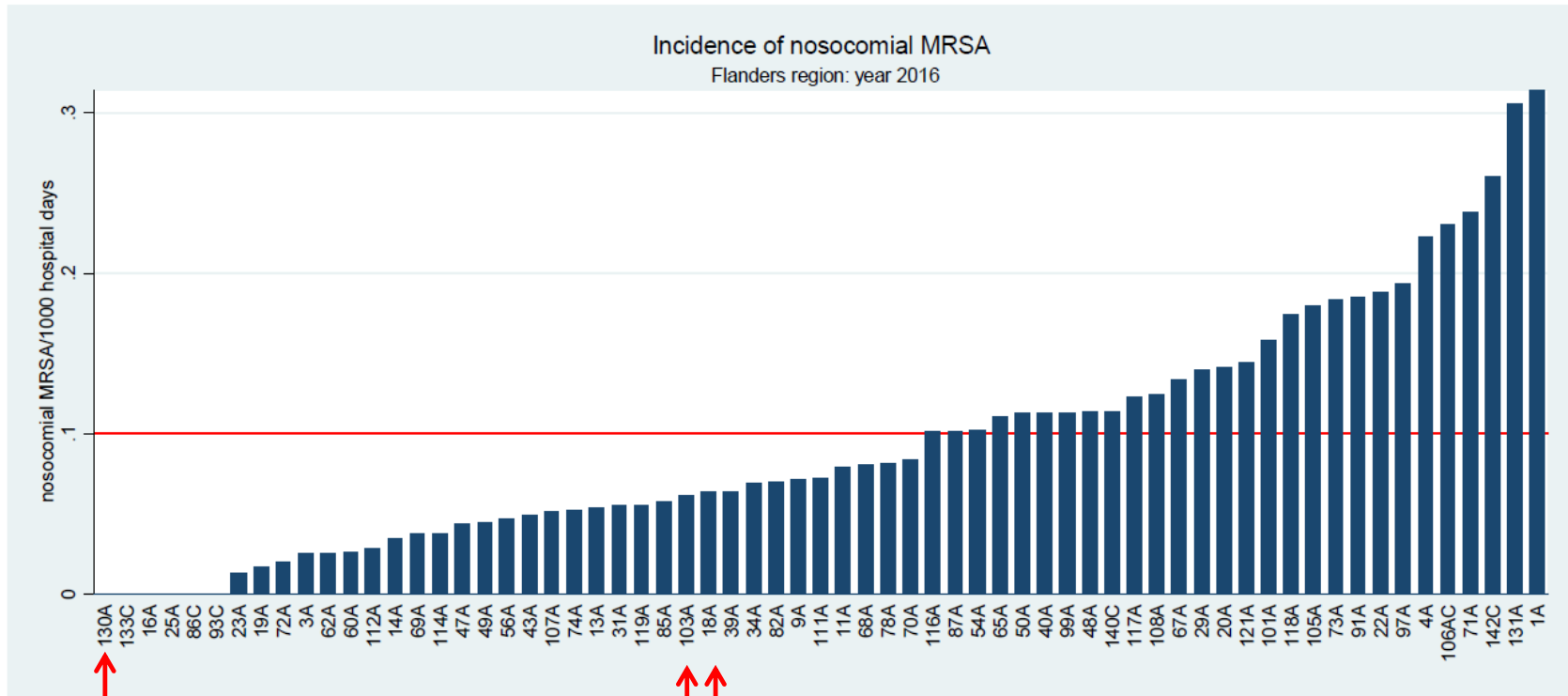
Part 1: Gram-positive Bacteria



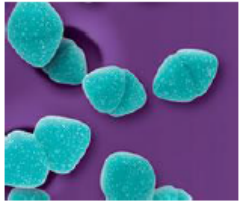
Methicillin Resistant *Staphylococcus aureus*
(MRSA)

MRSA SA-SV-SJ

Figure 3: Incidence of nosocomial MRSA/ 1000 hospital days if region = Flanders region



Part 1: Gram-positive Bacteria

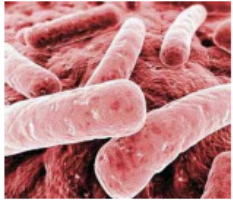


Resistance mechanisms in
Enterococcus faecalis and *Enterococcus faecium*

VRE SA-SV-SJ



Part 2: Gram-negative Bacteria

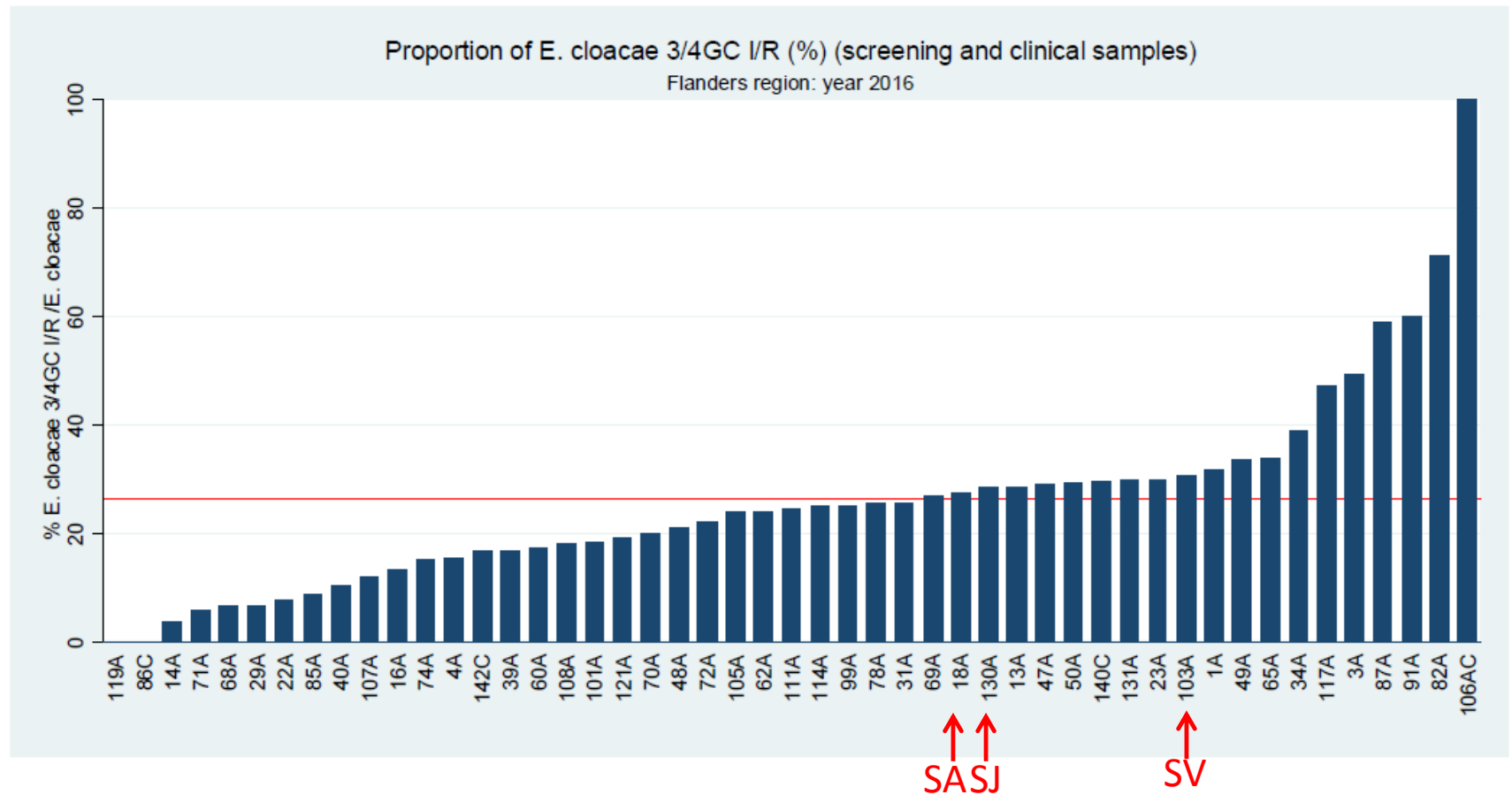


Resistance mechanisms in *Enterobacteriaceae*

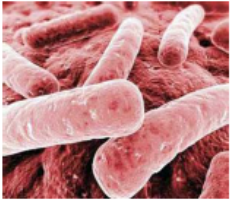
E.coliaceae/Ceph3/4

SA-SV-SJ

Figure 6: Proportion of *Enterobacter cloacae* C3G/C4G I/R (%) if region = Flanders region



Part 2: Gram-negative Bacteria

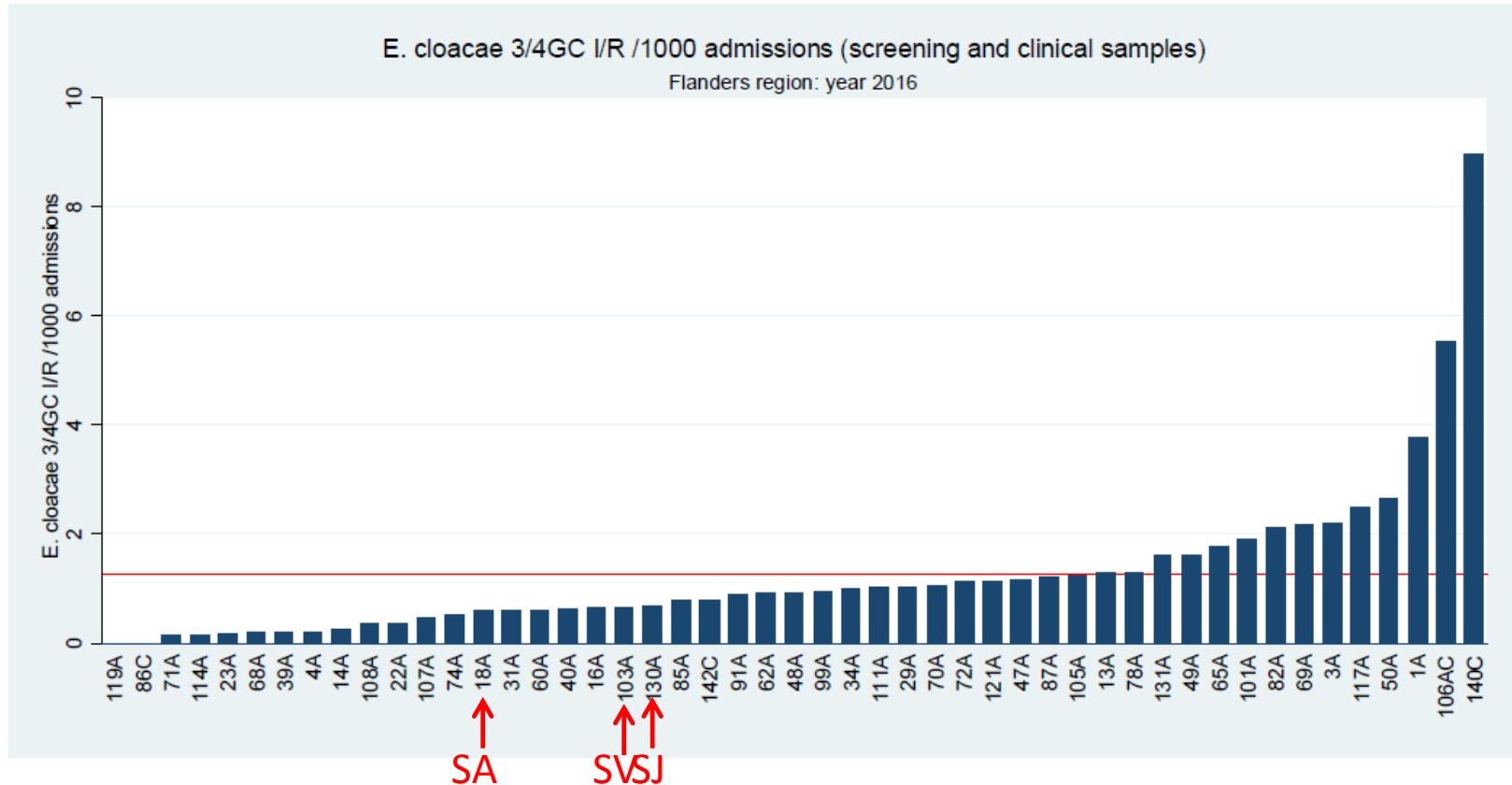


Resistance mechanisms in *Enterobacteriaceae*

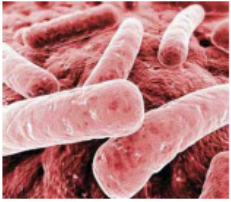
***E. cloacae*/Ceph3/4**

SA-SV-SJ

Figure 7: Incidence of *Enterobacter cloacae* C3G/C4G I/R (/1000 admissions) if region = Flanders region



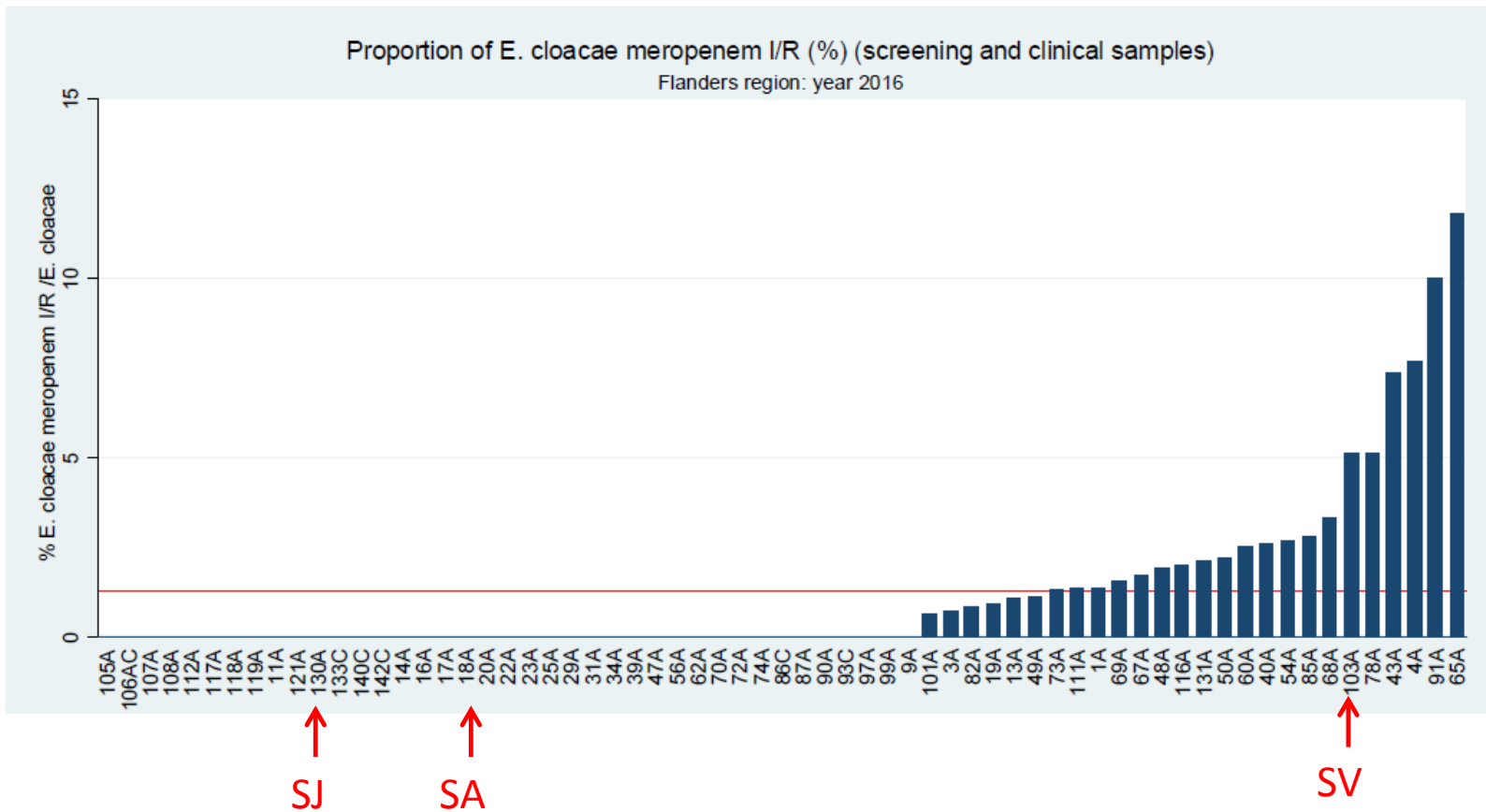
Part 2: Gram-negative Bacteria



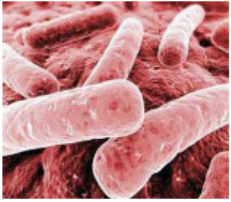
Resistance mechanisms in *Enterobacteriaceae*

E. cloacae/meropenem SA-SV-SJ

Figure 10: Proportion of *Enterobacter cloacae* meropenem I/R (%) if region = Flanders region



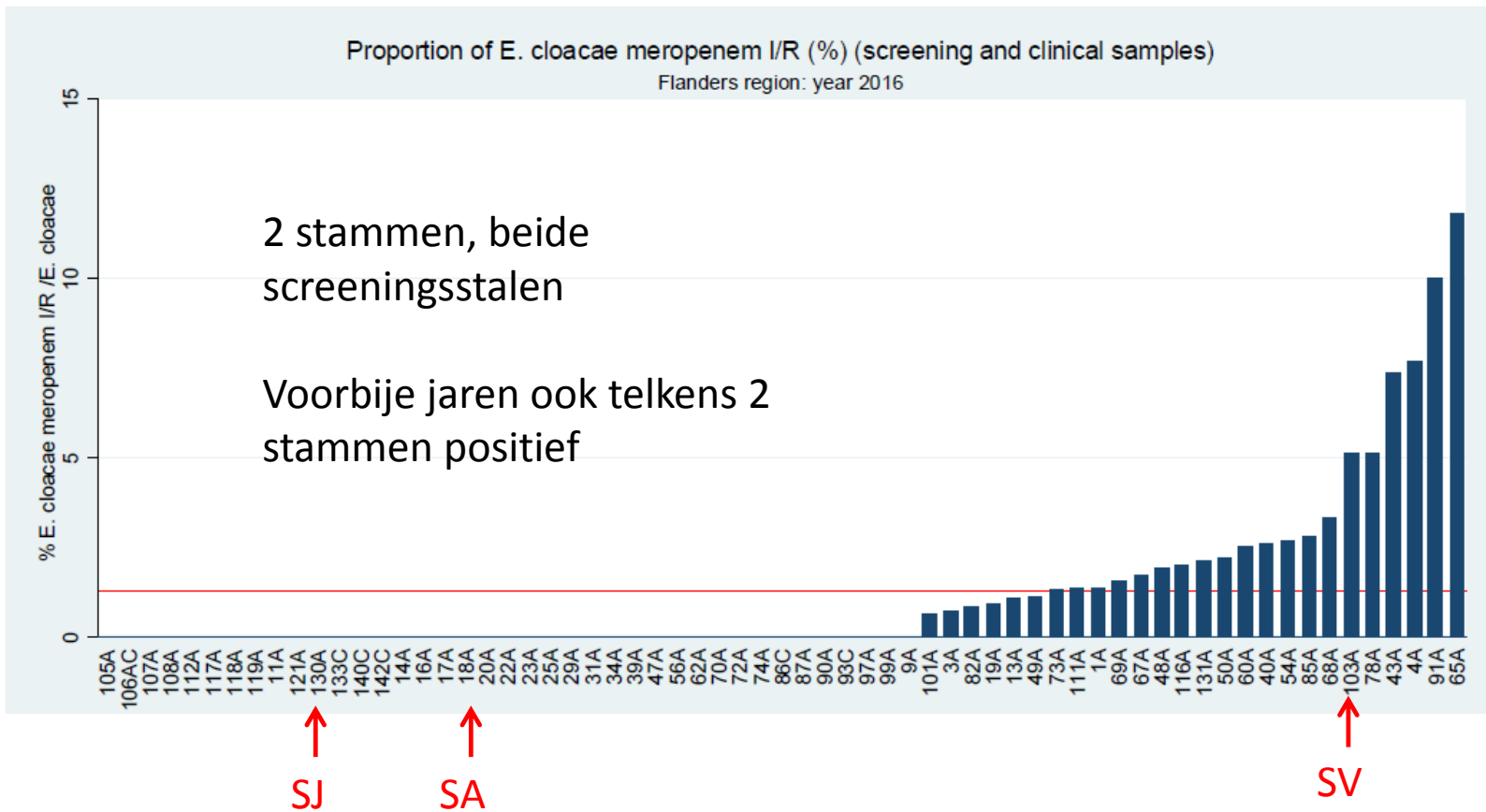
Part 2: Gram-negative Bacteria



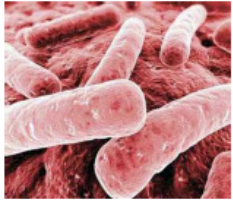
Resistance mechanisms in *Enterobacteriaceae*

E. cloacae/meropenem SA-SV-SJ

Figure 10: Proportion of *Enterobacter cloacae meropenem* I/R (%) if region = Flanders region



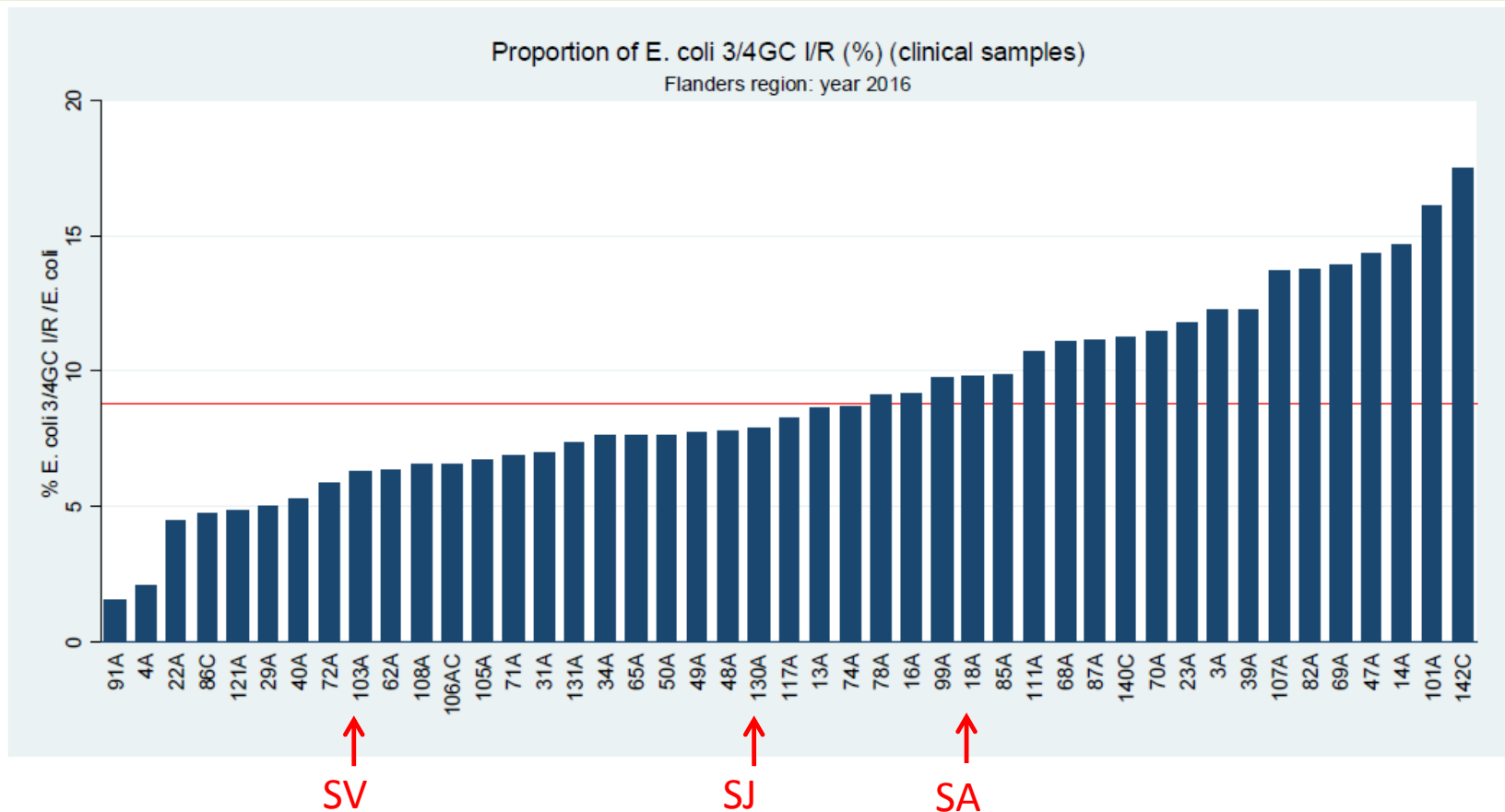
Part 2: Gram-negative Bacteria



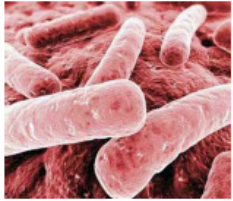
Resistance mechanisms in *Enterobacteriaceae*

E.coli/Ceph3/4 SA-SV-SJ

Figure 14: Proportion of *Escherichia coli* C3G/C4G I/R (%) if region = Flanders region



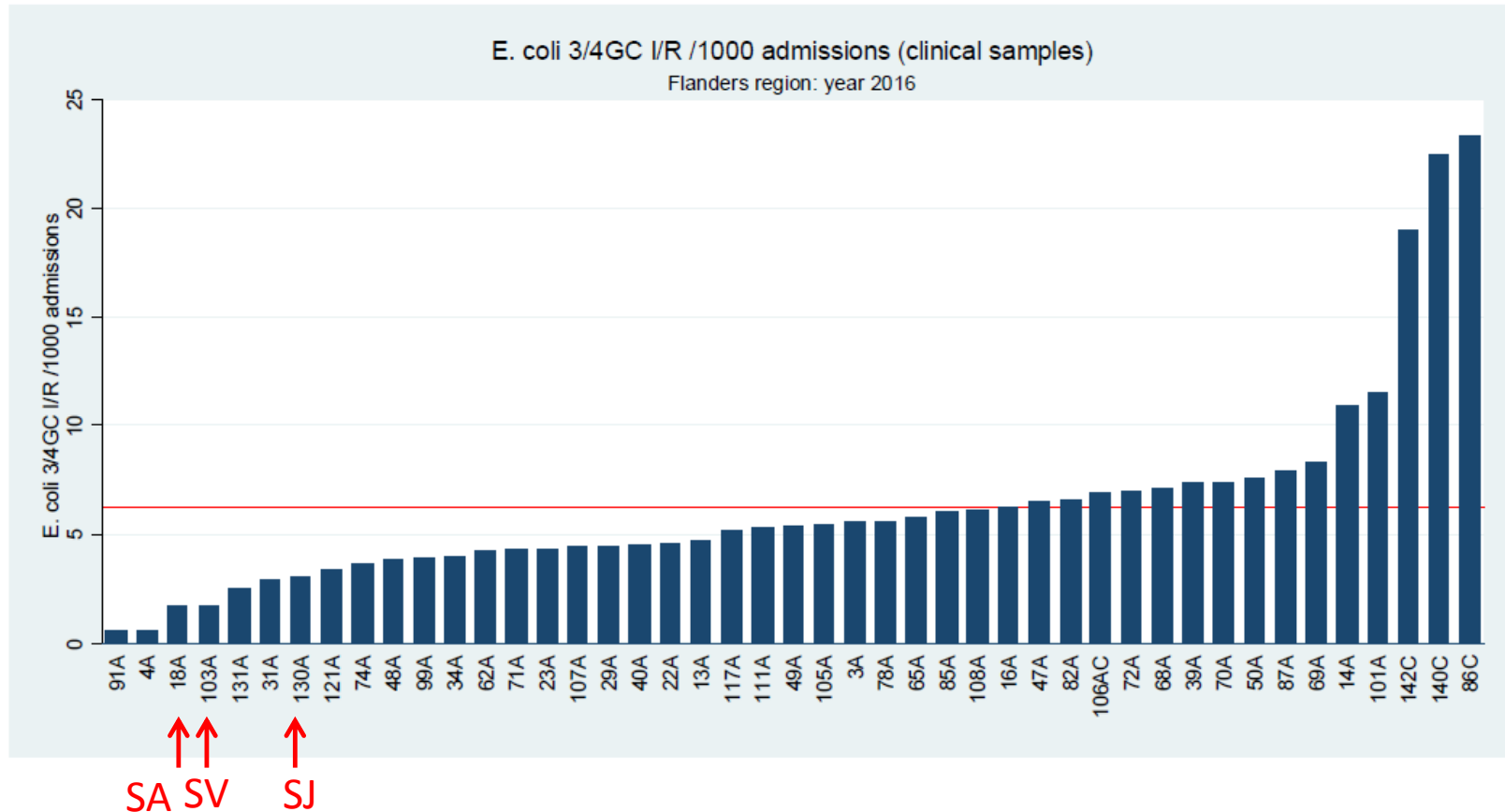
Part 2: Gram-negative Bacteria



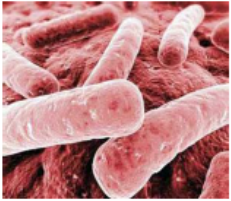
Resistance mechanisms in *Enterobacteriaceae*

E.coli/Ceph3/4 SA-SV-SJ

Figure 15: Incidence of *Escherichia coli* C3G/C4G I/R (/1000 admissions) if region = Flanders region



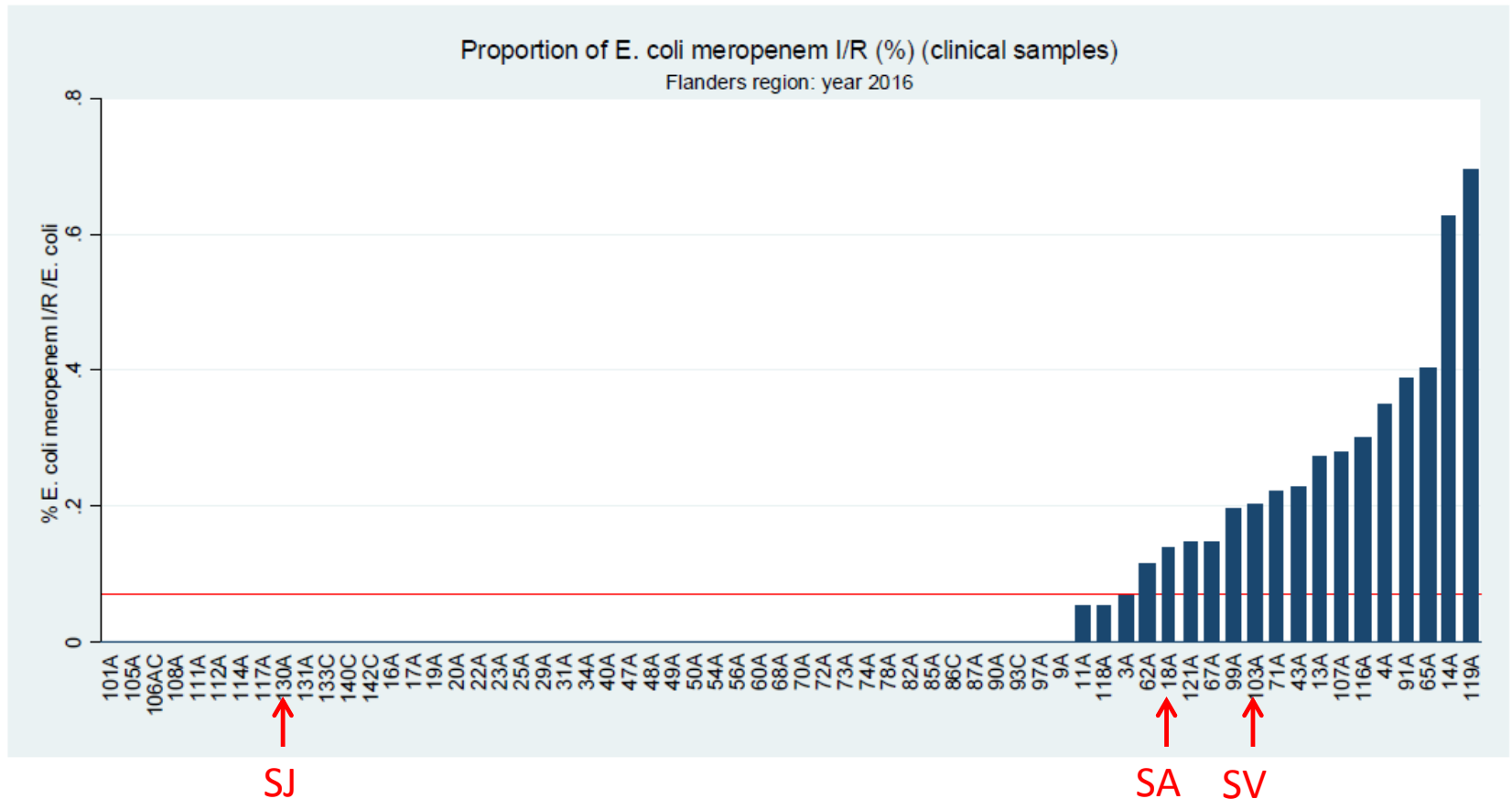
Part 2: Gram-negative Bacteria



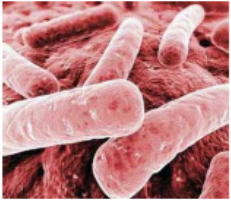
Resistance mechanisms in *Enterobacteriaceae*

E.coli/Meropenem SA-SV-SJ

Figure 18: Proportion of *Escherichia coli* meropenem I/R (%) if region = Flanders region



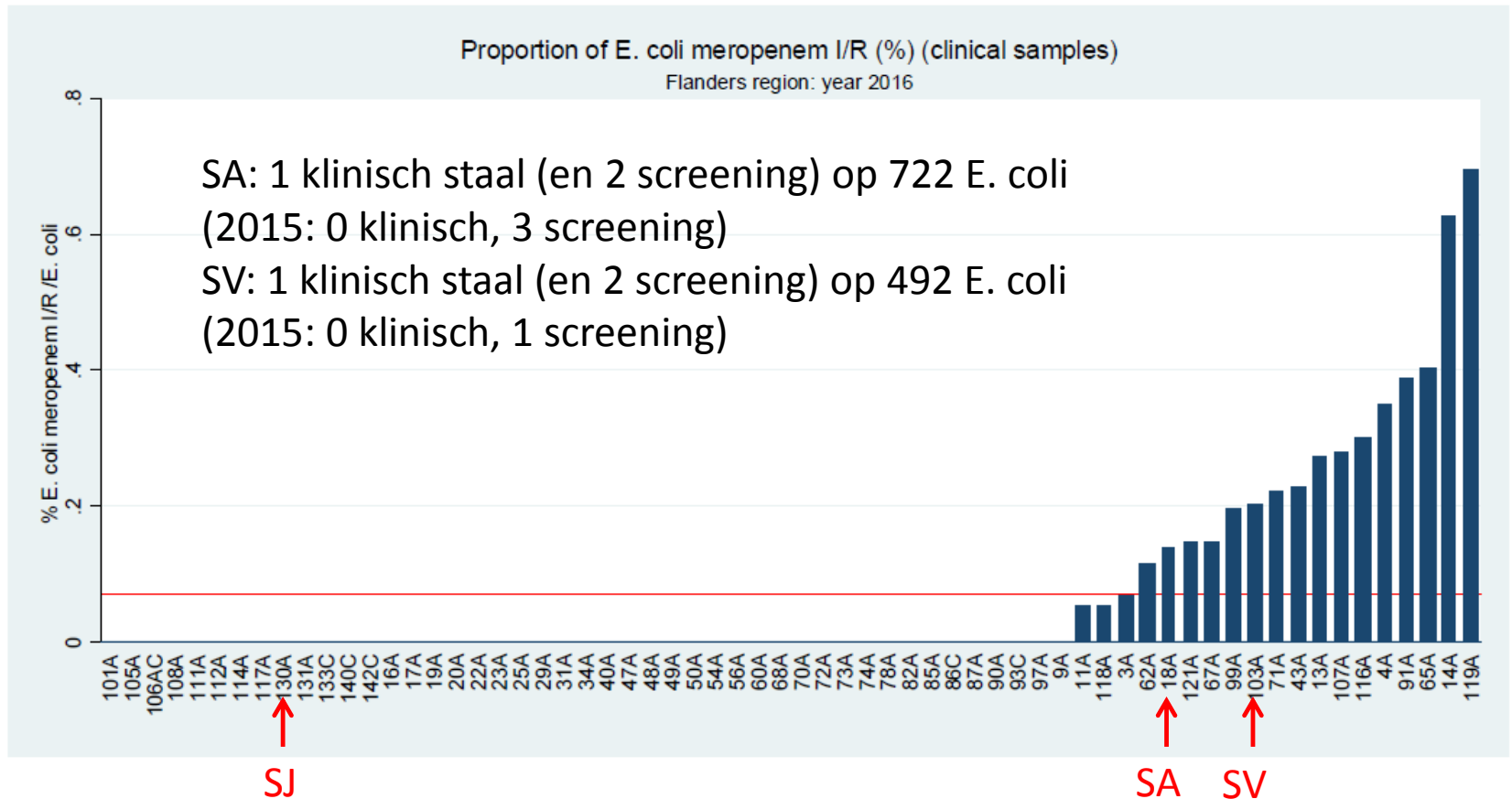
Part 2: Gram-negative Bacteria



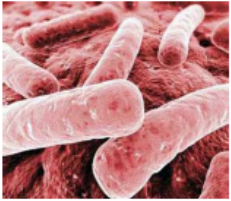
Resistance mechanisms in *Enterobacteriaceae*

E.coli/Meropenem SA-SV-SJ

Figure 18: Proportion of *Escherichia coli* meropenem I/R (%) if region = Flanders region



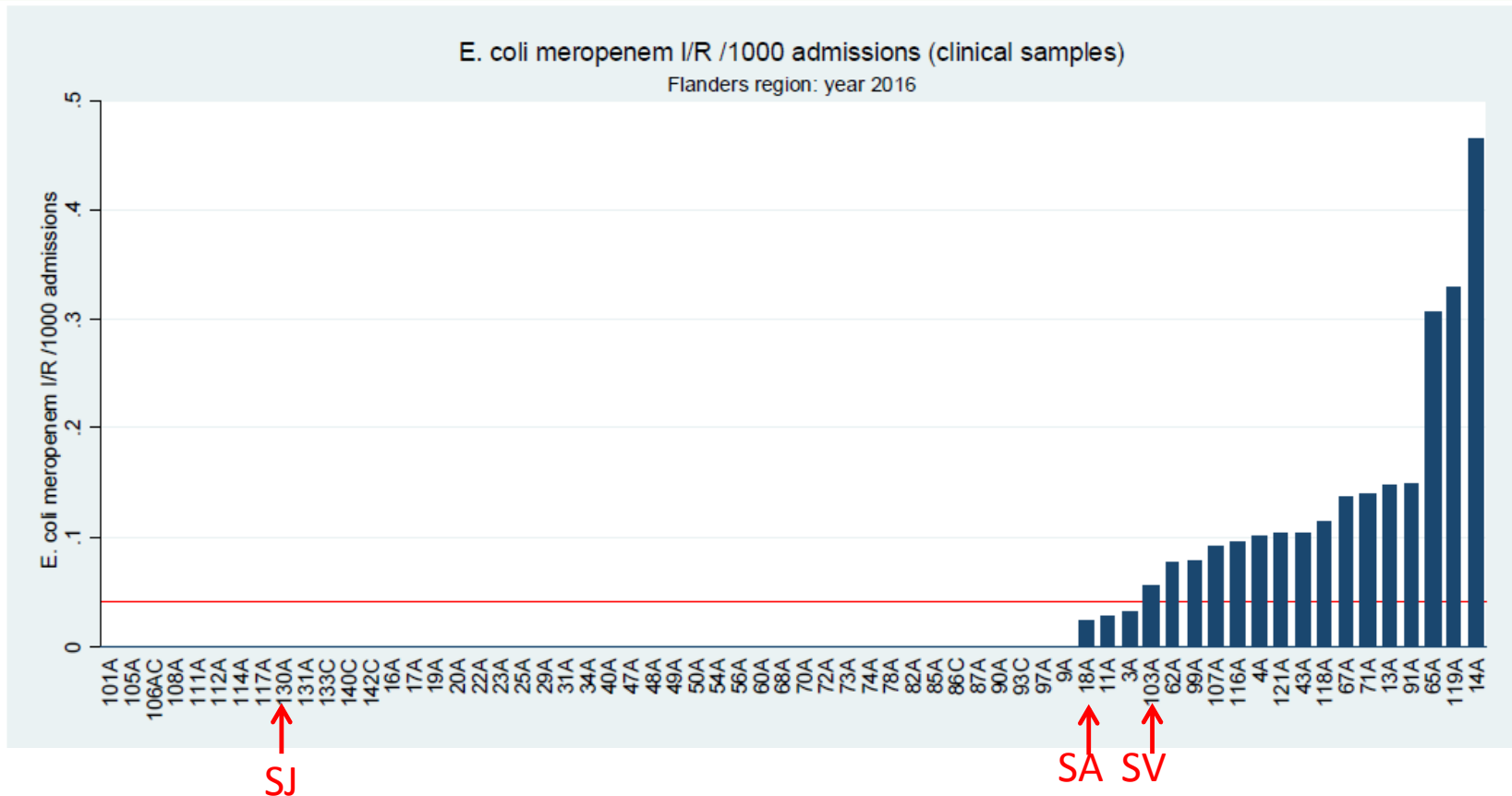
Part 2: Gram-negative Bacteria



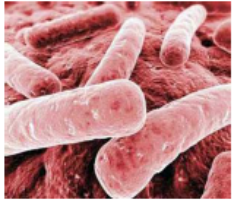
Resistance mechanisms in *Enterobacteriaceae*

E.coli/Meropen SA-SV-SJ

Figure 19: Incidence of *Escherichia coli* mero I/R (/1000 admissions) if region = Flanders region



Part 2: Gram-negative Bacteria

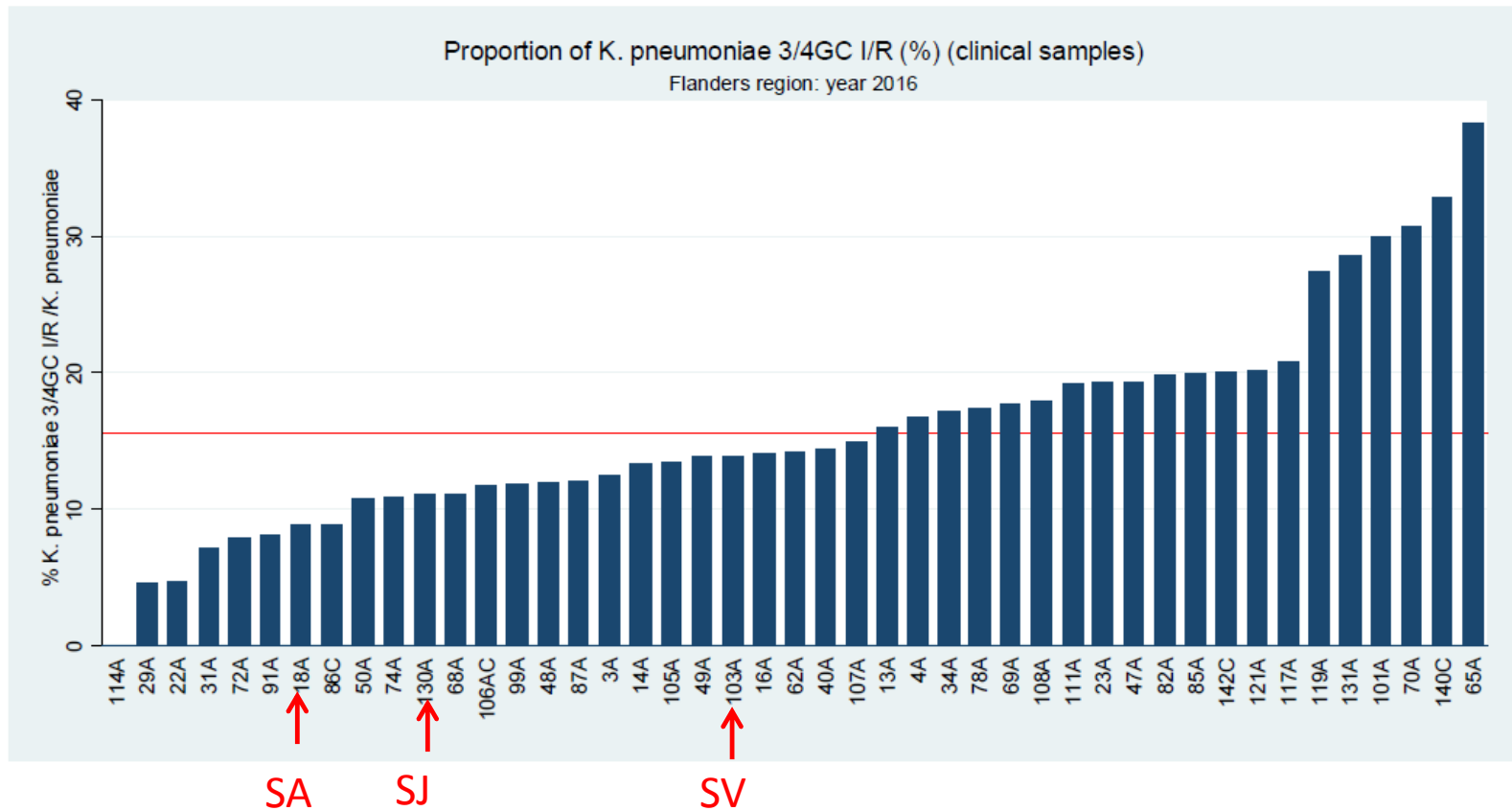


Resistance mechanisms in *Enterobacteriaceae*

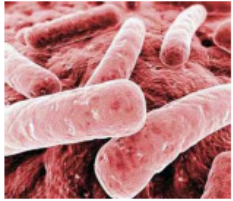
K.pneum/Ceph3/4

SA-SV-SJ

Figure 22: Proportion of *Klebsiella pneumoniae* C3G/C4G I/R (%) if region = Flanders region



Part 2: Gram-negative Bacteria

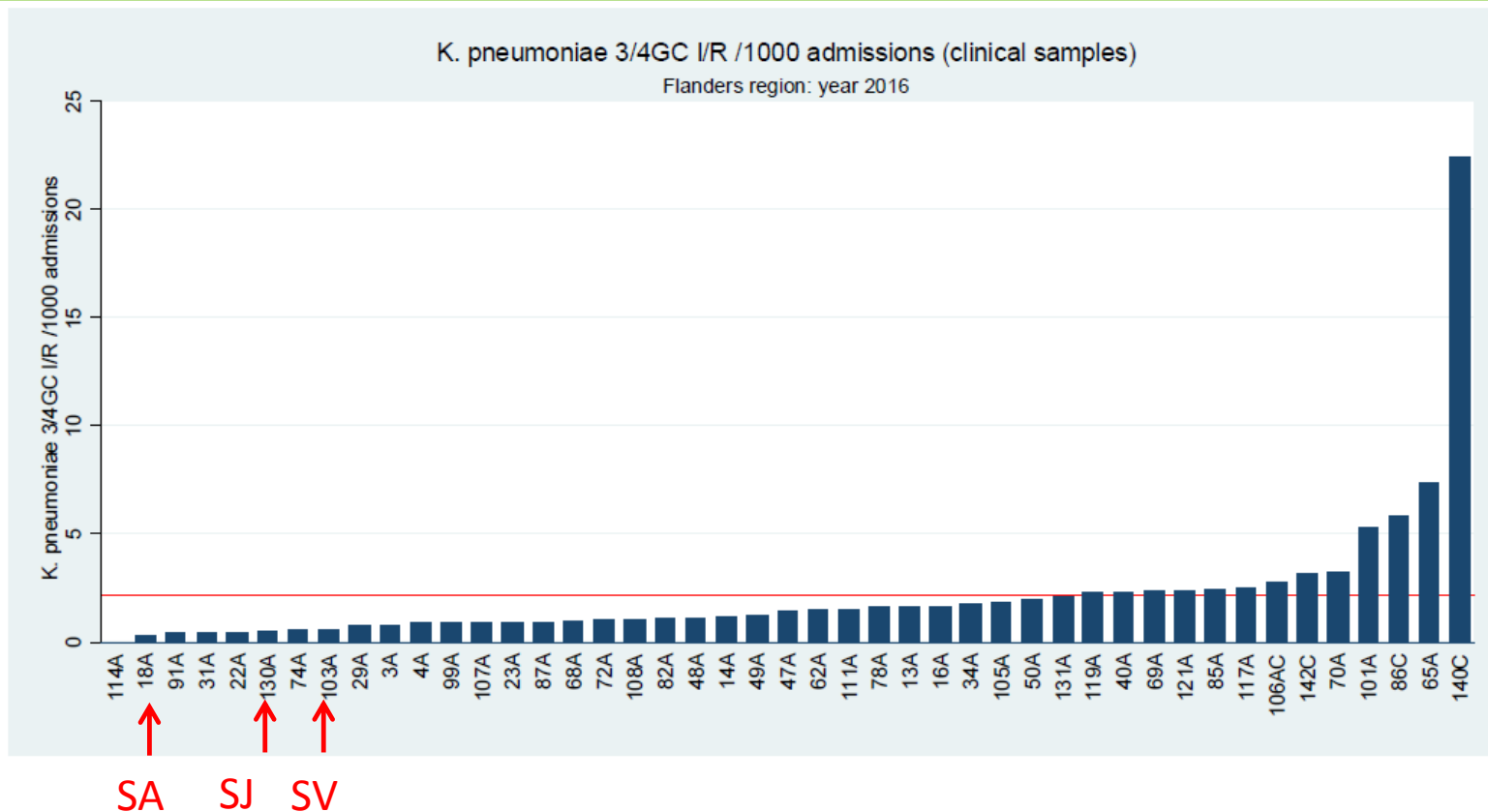


Resistance mechanisms in *Enterobacteriaceae*

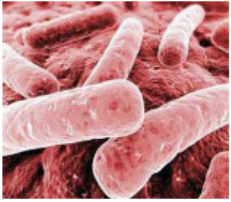
K.pneum/Ceph3/4

SA-SV-SJ

Figure 23: Incidence of *Klebsiella pneumoniae* C3G/C4G I/R (/1000 admissions) if region = Flanders region



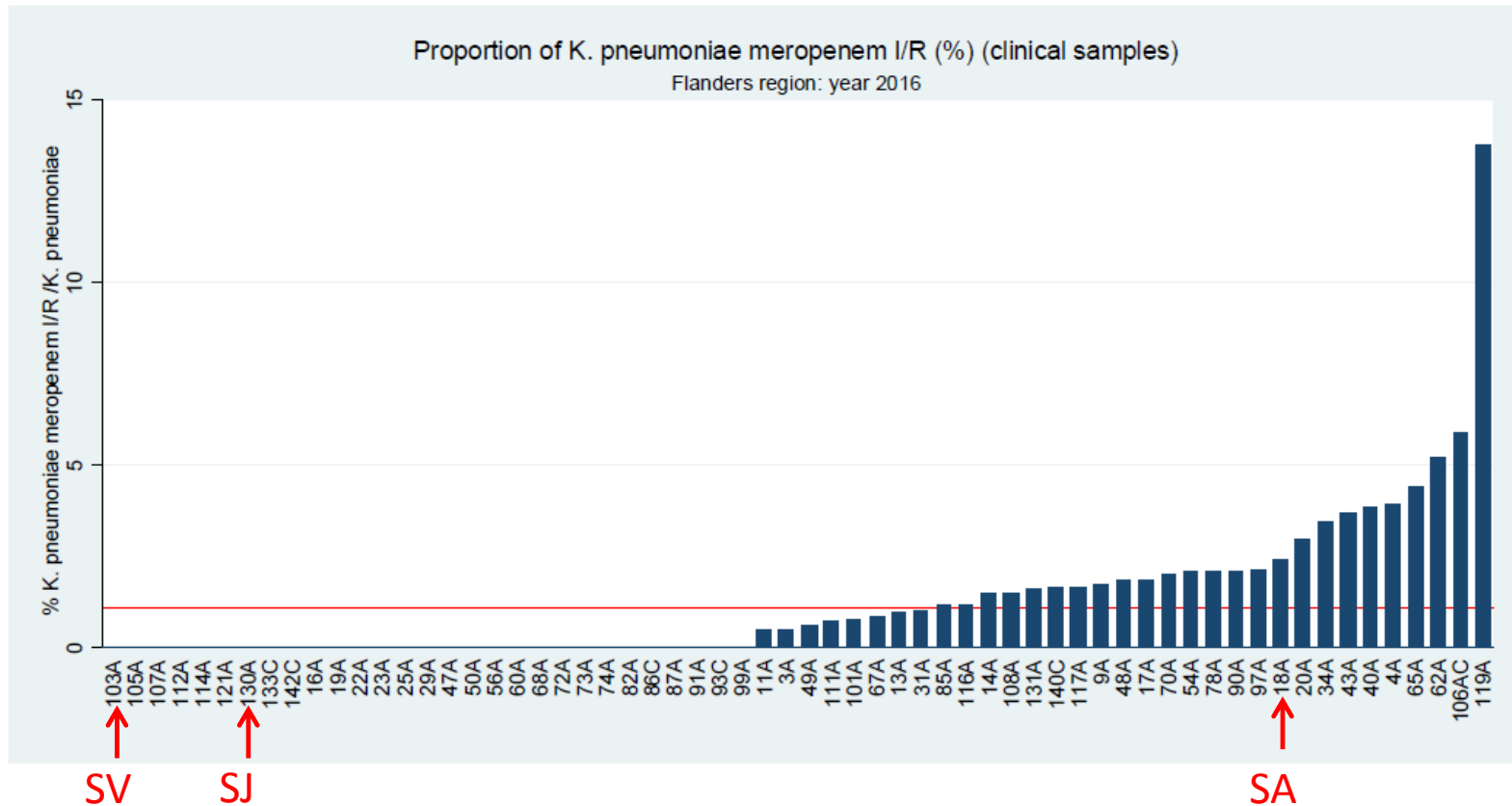
Part 2: Gram-negative Bacteria



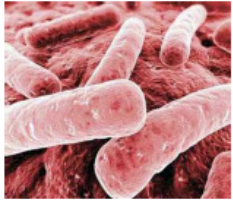
Resistance mechanisms in *Enterobacteriaceae*

K.pneum/Meropen SA-SV-SJ

Figure 26: Proportion of *Klebsiella pneumoniae* meropenem I/R (%) if region = Flanders region



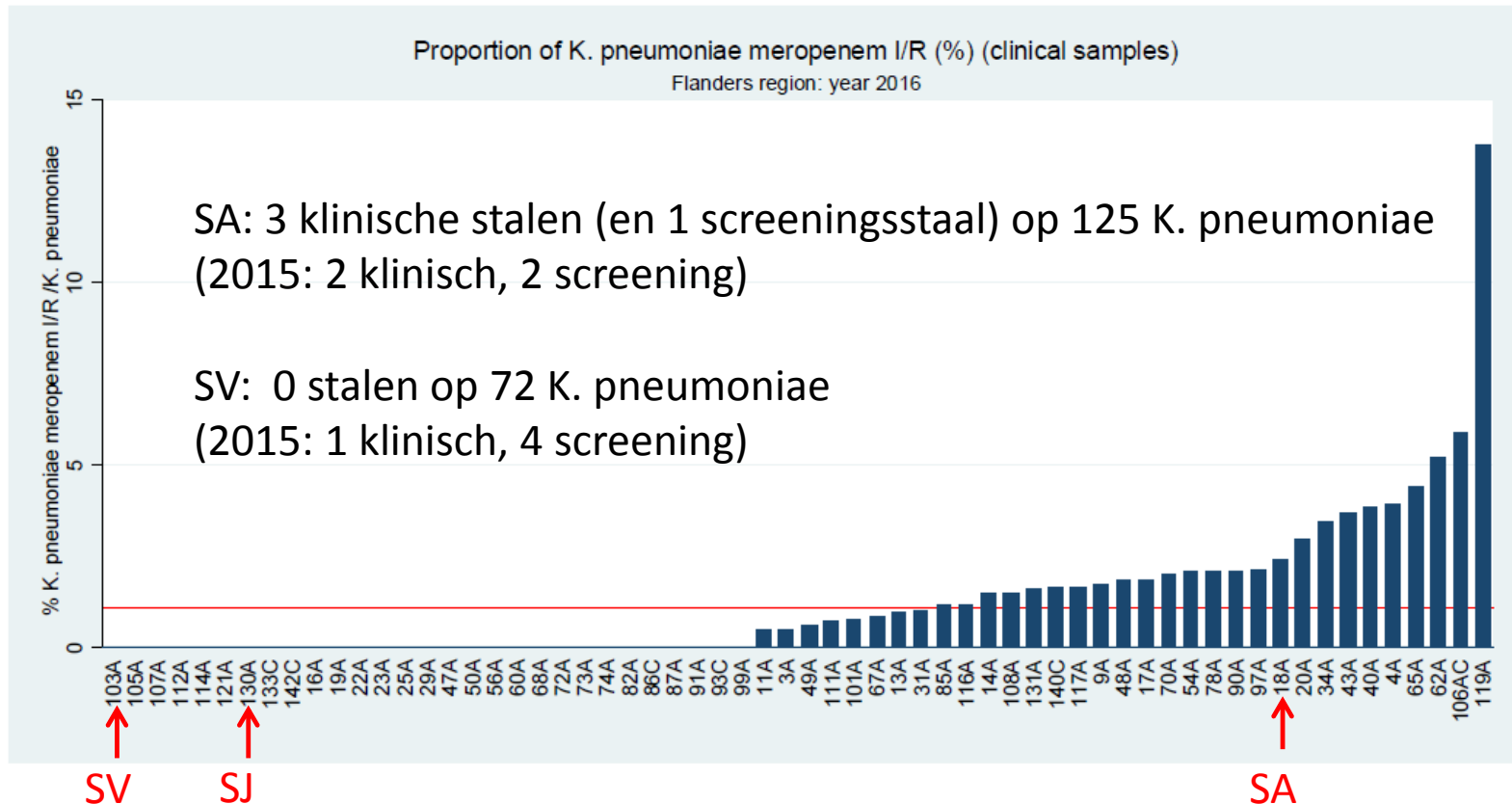
Part 2: Gram-negative Bacteria



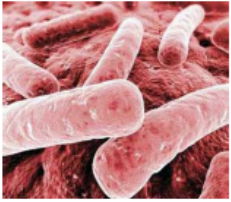
Resistance mechanisms in *Enterobacteriaceae*

K.pneum/Meropenem SA-SV-SJ

Figure 26: Proportion of *Klebsiella pneumoniae* meropenem I/R (%) if region = Flanders region



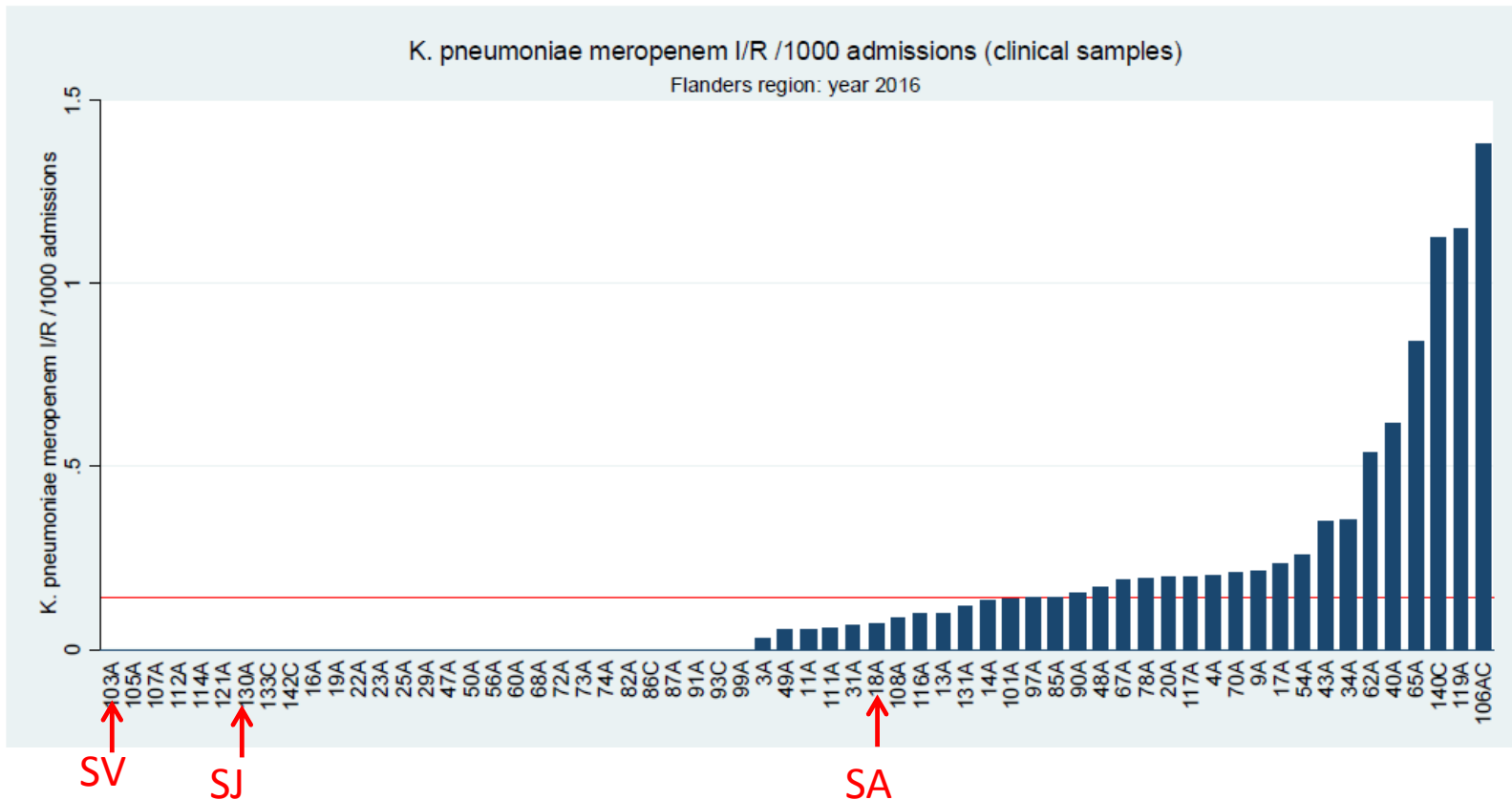
Part 2: Gram-negative Bacteria



Resistance mechanisms in *Enterobacteriaceae*

K.pneum/Meropen
SA-SV-SV

Figure 27: Incidence of *Klebsiella pneumoniae* mero I/R (/1000 admissions) if region = Flanders region



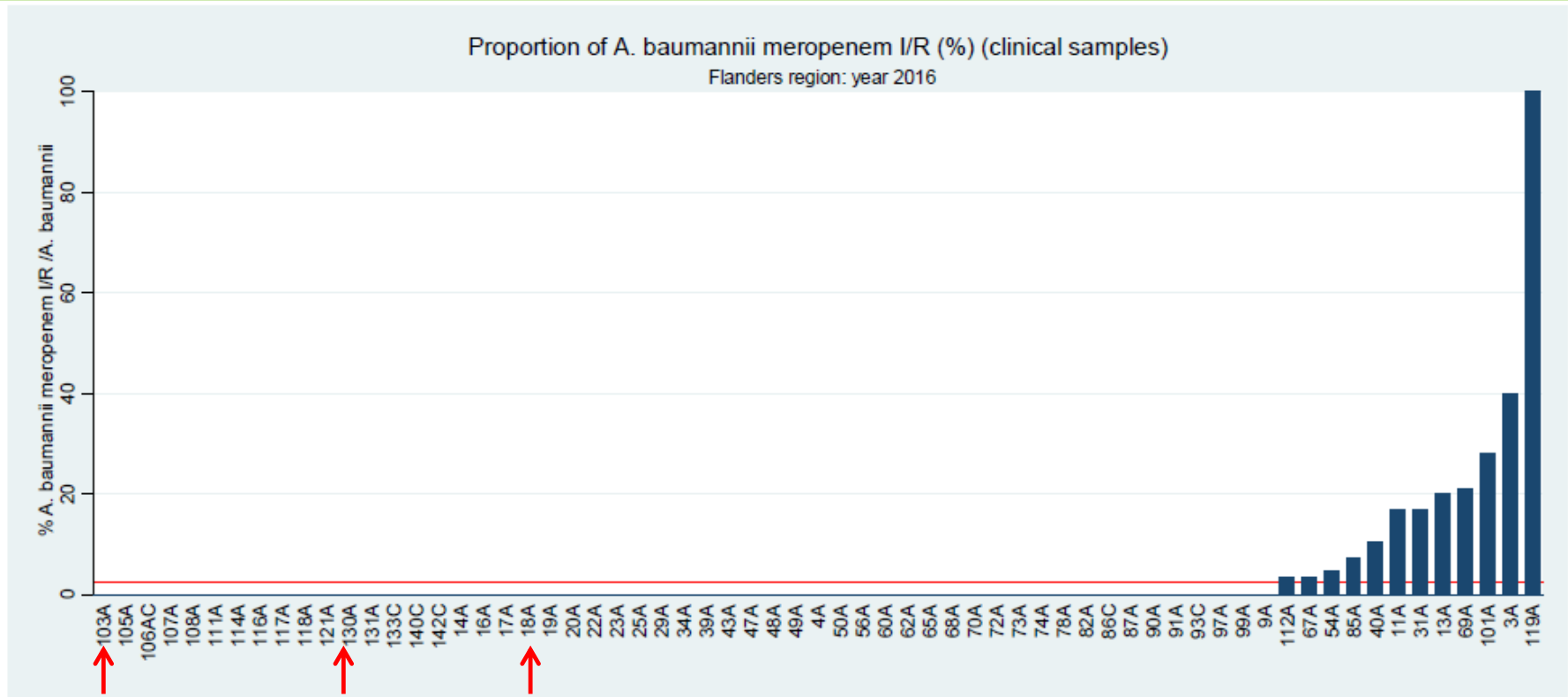
Part 2: Gram-negative Bacteria



Resistance mechanisms in
Acinetobacter baumannii and in
Pseudomonas aeruginosa

A.baum/Meropen
SA-SV-SJ

Figure 28: Proportion of *Acinetobacter baumannii* mero-I/R (%) if region = Flanders region



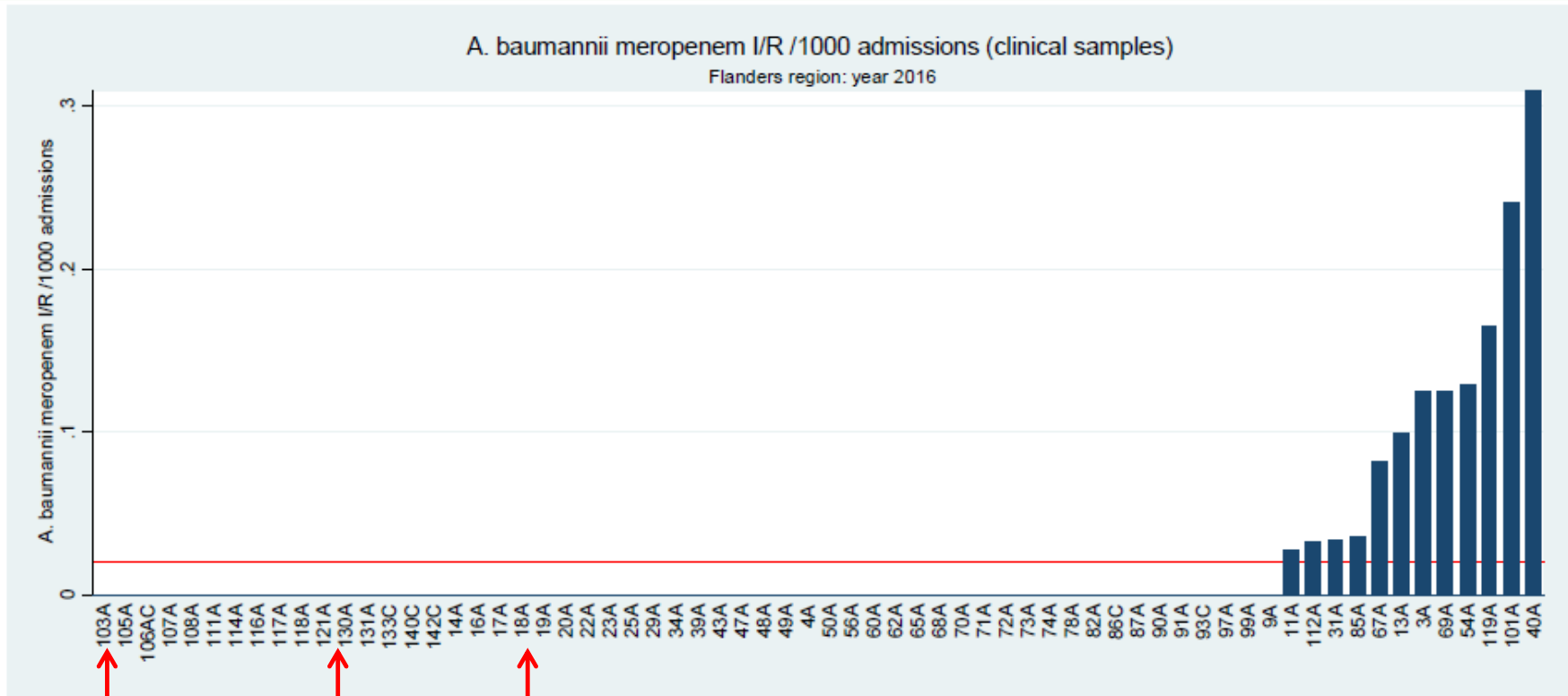
Part 2: Gram-negative Bacteria



Resistance mechanisms in
Acinetobacter baumannii and in
Pseudomonas aeruginosa

A.baum/Meropen
SA-SV-SJ

Figure 29: Incidence of *Acinetobacter baumannii* mero-I/R (/1000 adm.) if region = Flanders region



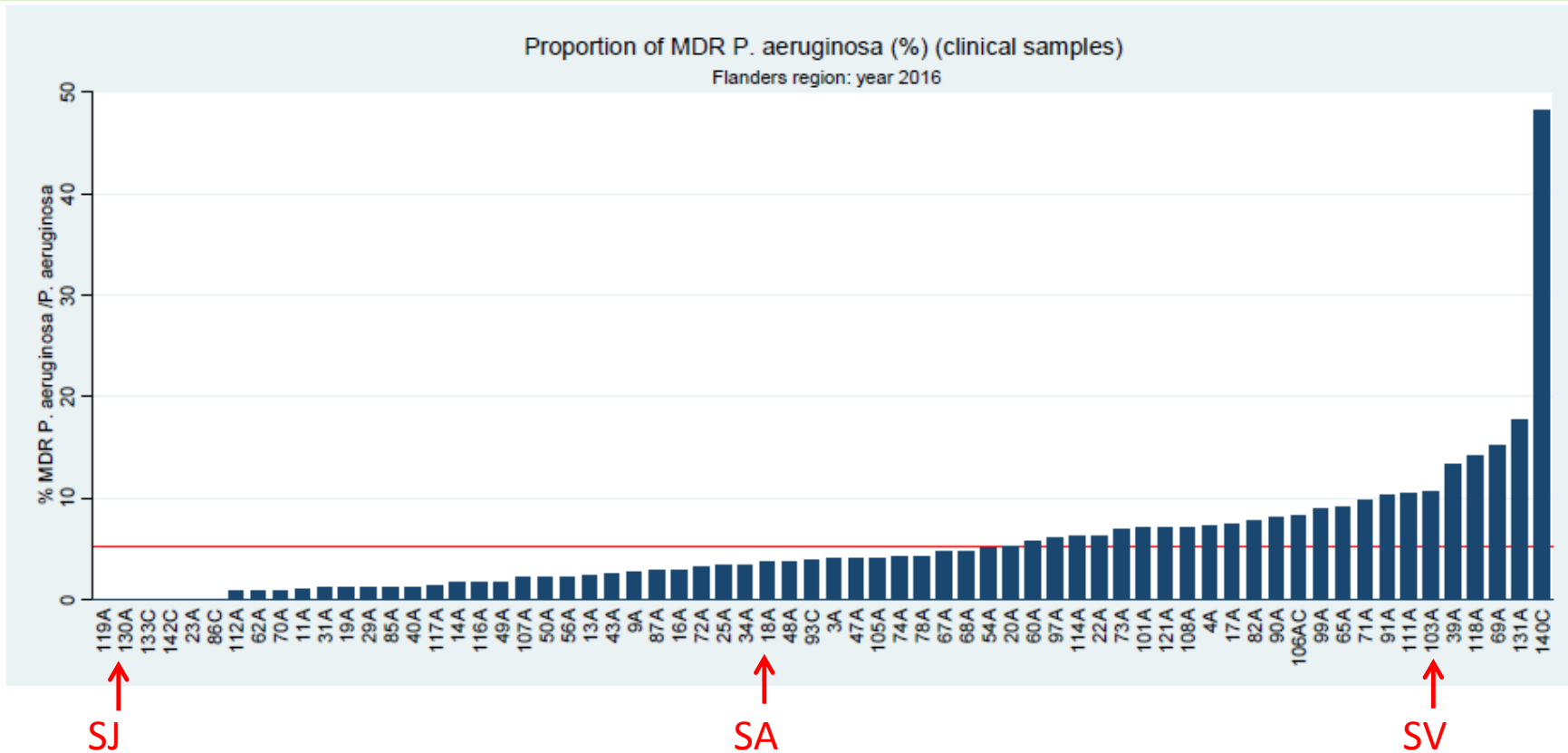
Part 2: Gram-negative Bacteria



Resistance mechanisms in
Acinetobacter baumannii and in
Pseudomonas aeruginosa

P.aerug/BRMO
SA-SV-SJ

Figure 30: Proportion of MDR-*Pseudomonas aeruginosa* (%) if region = Flanders region



Part 2: Gram-negative Bacteria



Resistance mechanisms in
Acinetobacter baumannii and in
Pseudomonas aeruginosa

P.aerug/BRMO
SA-SV-SJ

Figure 31: Incidence of MDR-*Pseudomonas aeruginosa* (/1000 admissions) if region = Flanders region

