|  |
| --- |
| (  ((ESBL) OR Extended-spectrum beta-lactamase)) AND (((Angola OR Benin OR Botswana OR Burkina Faso OR Burundi OR Cameroon OR Cape Verde OR Central African Republic OR Chad OR Comoros OR Republic of the Congo OR Congo Brazzaville OR Democratic republic of the Congo OR Cote d'Ivoire OR Djibouti OR Equatorial Guinea OR Eritrea OR Ethiopia OR Gabon OR The Gambia OR Ghana OR Guinea OR Guinea-Bissau OR Kenya OR Lesotho OR Liberia OR Madagascar OR Malawi OR Mali OR Mauritania OR Mauritius OR Mozambique OR Namibia OR Niger OR Nigeria OR Reunion OR Rwanda OR Sao Tome and Principe OR Senegal OR Seychelles OR Sierra Leone OR Somalia OR South Africa OR Sudan OR Swaziland OR Eswatini OR Tanzania OR Togo OR Uganda OR Western Sahara OR Zambia OR Zimbabwe) OR Africa)) |

**Supplementary Box 1:** Systematic review search terms

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Study** | **Sample type** | **Screening method** | **Speciation method** | **ESBL confirmation method** |
| Ruppe 2009 | Stool | Drigalski and chromagar | NR | Double disc |
| Tande 2009 | Stool | Drigalski with cephalosporin | API | Double disc |
| Andriatahina 2010 | Rectal Swab | Drigalski with cephalosporin | API | Double disc |
| Herindrainy 2011 | Stool | Drigalski with cephalosporin | API | Double disc |
| Woerther 2011 | Stool | Chromagar | API | PCR |
| Albrechtova 2012 | Rectal Swab | Mackonkey with cephalosporin | API | Double disc |
| Isendahl 2012 | Rectal Swab | Chromagar | Vitek | Vitek |
| Lonchel 2012 | Stool | Mackonkey or Drigalski and cephalosporin | MALDI-TOF | Double disc |
| Lonchel 2013 | Stool | Mackonkey or Drigalski and cephalosporin | MALDI-TOF | Double disc |
| Magoue 2013 | Stool | Mackonkey or Drigalski and cephalosporin | NR | Double disc |
| Schaumburg 2013 | Rectal Swab | Chromagar | Vitek | Double disc |
| Nelson 2014 | Rectal Swab | Mackonkey with cephalosporin | Biochemical | Double disc |
| Chereau 2015 | Stool | Drigalski with cephalosporin | API | Double disc |
| Desta 2016 | Stool | Chromagar | Vitek | Vitek |
| Djuikoue 2016 | Stool | Drigalski with cephalosporin | MALDI-TOF | Double disc |
| Farra 2016 | Stool | Chromagar | NR | Double disc |
| Kurz 2016 | Rectal Swab | Chromagar | API | Combination disc |
| Mshana 2016 | Stool | Mackonkey with cephalosporin | API | Chromagar and vitek |
| Ribeiro 2016 | Stool | Chromagar | MALDI-TOF | PCR |
| Tellevik, 2016 | Stool | Chromagar | MALDI-TOF | Combination disc |
| Magwenzi 2017 | Stool or Rectal Swab | Chromagar and Mackonkey with cephalosporin and nutrient broth with cephalosporin | API | Double disc |
| Moremi 2017 | Stool | Mackonkey with cephalosporin | Biochemical | Double disc |
| Wilmore 2017 | Stool | CLEDwith cephalosproin | API and MALDI | Combination disc |
| Chirindze 2018 | Stool | Mackonkey with cephalosporin | API | Double disc |
| Founou 2018 | Rectal Swab | Mackonkey with cephalosporin | API | Combination disc |
| Herindrainy 2018 | Stool or Rectal Swab | Chromagar | MALDI-TOF | Double disc |
| Katakweba 2018 | Stool | Mackonkey with cephalosporin | MALDI-TOF | Double disc |
| Marando 2018 | Rectal swab | Mackonkey with cephalosporin | Biochemical | Double disc |
| Moremi 2018 | Rectal swab | Mackonkey with cephalosporin | vitek | vitek |
| Nikema Pessinaba 2018 | Stool | Drigalski with cephalosporin | NR | NR |
| Sanneh 2018 | Stool | Drigalski And Cephalosporin | NR | Double disc |
| Stanley 2018 | Stool | AST | BD phoenix | BD phoenix |

Supplementary table S1: details of microbiologic testing procedures.



Supplementary figure S2: Overall ESBL-E colonization prevalence by study.



Supplementary Figure S3: ESBL-E carriage prevalence stratified by age group.