AMR Meta Data
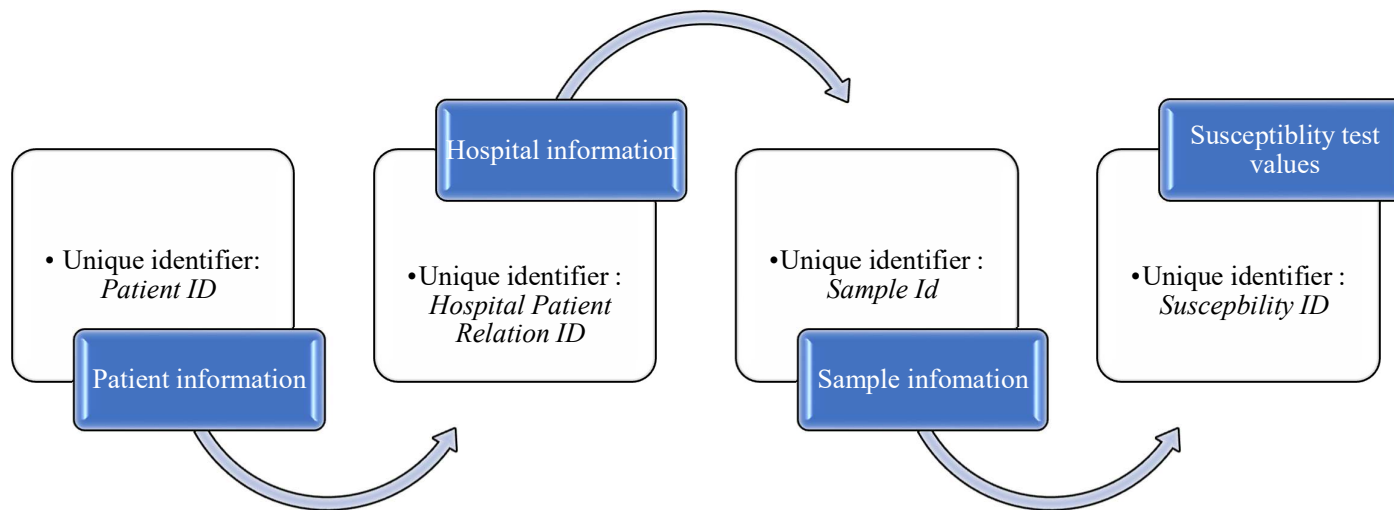
Project: Antimicrobial Resistance (AMR) research and surveillance network: Multicentre Longitudinal study in India (2017–2022)

Source of data: Surveillance Data from Tertiary Care Hospitals

Description of Data:

AMR Meta Data

Brief Description of Data

Patient Information				
Variable Name	**Variable Label**	**Categories**	**Variable Type**	**Remarks**
pv1	Sex of the patient	1 "female" 2 "male" 3 "transgender"	Numeric	
pv2	Age of the patient in years		Numeric	This age Variable was computed based the date of birth and date of entry.
pv3	District_ patient come from	1 "Nicobar" 2 "North and Middle Andaman" 3 "South Andaman" 4 "Anantapur" 5 "Chittoor" 6 "East Godavari" 7 "Guntur" 8 "Kadapa" 9 "Krishna" 10 "Kurnool" 11 "Nellore" 12 "Prakasam" 13 "Srikakulam" 14 "Visakhapatnam" 15 "Vizianagaram" 16 "West Godavari"	Numeric	

| | | 17 "Anjaw"
18 "Changlang"
19 "Dibang Valley"
20 "East Kameng"
21 "East Siang"
22 "Kurung Kumey"
23 "Lohit"
24 "Longding"
25 "Lower Dibang Valley"
26 "Lower Subansiri"
27 "Papum Pare"
28 "Tawang"
29 "Tirap"
30 "Upper Siang"
31 "Upper Subansiri"
32 "West Kameng"
33 "West Siang"
34 "Baksa"
35 "Barpeta"
36 "Bongaigaon"
37 "Cachar"
38 "Chirang"
39 "Darrang"
40 "Dhemaji"
41 "Dhubri"
42 "Dibrugarh"
43 "Dima Hasao"
44 "Goalpara"
45 "Golaghat"
46 "Hailakandi" | | |

		47 "Jorhat" 48 "Kamrup" 49 "Kamrup Metropolitan" 50 "Karbi Anglong" 51 "Karimganj" 52 "Kokrajhar" 53 "Lakhimpur" 54 "Morigaon" 55 "Nagaon" 56 "Nalbari" 57 "Sivasagar" 58 "Sonitpur" 59 "Tinsukia" 60 "Udalguri" 61 "Araria" 62 "Arwal" 63 "Aurangabad" 64 "Banka" 65 "Begusarai" 66 "Bhagalpur" 67 "Bhojpur" 68 "Buxar" 69 "Darbhanga" 70 "East Champaran" 71 "Gaya" 72 "Gopalganj" 73 "Jamui" 74 "Jehanabad" 75 "Kaimur" 76 "Katihar"		

		77 "Khagaria" 78 "Kishanganj" 79 "Lakhisarai" 80 "Madhepura" 81 "Madhubani" 82 "Munger" 83 "Muzaffarpur" 84 "Nalanda" 85 "Nawada" 86 "Patna" 87 "Purnia" 88 "Rohtas" 89 "Saharsa" 90 "Samastipur" 91 "Saran" 92 "Sheikhpura" 93 "Sheohar" 94 "Sitamarhi" 95 "Siwan" 96 "Supaul" 97 "Vaishali" 98 "West Champaran" 99 "Chandigarh" 100 "Balrampur" 101 "Bastar" 102 "Bemetara" 103 "Bijapur" 104 "Bilaspur" 105 "Dantewada" 106 "Dhamtari"		

		107 "Durg" 108 "Gariaband" 109 "Janjgir-Champa" 110 "Jashpur" 111 "Kanker" 112 "Kawardha" 113 "Kondagaon" 114 "Korba" 115 "Koriya" 116 "Mahasamund" 117 "Mungeli" 118 "Narayanpur" 119 "Raigarh" 120 "Raipur" 121 "Rajnandgaon" 122 "Sukma" 123 "Surajpur" 124 "Surguja" 125 "Dadra and Nagar Haveli" 126 "Daman" 127 "Diu" 128 "Central Delhi" 129 "East Delhi" 130 "New Delhi" 131 "North Delhi" 132 "North East Delhi" 133 "North West Delhi" 134 "Shahdara" 135 "South Delhi" 136 "South East Delhi"		

		137 "South West Delhi" 138 "West Delhi" 139 "Margao" 140 "Panji" 141 "Ahmedabad" 142 "Amreli district" 143 "Anand" 144 "Aravalli" 145 "Banaskantha" 146 "Bharuch" 147 "Bhavnagar" 148 "Botad" 149 "Chhota Udaipur" 150 "Dahod" 151 "Dang" 152 "Devbhoomi Dwarka" 153 "Gandhinagar" 154 "Gir Somnath" 155 "Jamnagar" 156 "Junagadh" 157 "Kheda" 158 "Kutch" 159 "Mahisagar" 160 "Mehsana" 161 "Morbi" 162 "Narmada" 163 "Navsari" 164 "Panchmahal" 165 "Patan" 166 "Porbandar"		

		167 "Rajkot" 168 "Sabarkantha" 169 "Surat" 170 "Surendranagar" 171 "Tapi" 172 "Vadodara" 173 "Valsad" 174 "Ambala" 175 "Bhiwani" 176 "Faridabad" 177 "Fatehabad" 178 "Gurgaon" 179 "Hissar" 180 "Jhajjar" 181 "Jind" 182 "Kaithal" 183 "Karnal" 184 "Kurukshetra" 185 "Mahendragarh" 186 "Mewat" 187 "Palwal" 188 "Panchkula" 189 "Panipat" 190 "Rewari" 191 "Rohtak" 192 "Sirsa" 193 "Sonipat" 194 "Yamuna Nagar" 195 "Bilaspur" 196 "Chamba"		

		197 "Hamirpur" 198 "Kangra" 199 "Kinnaur" 200 "Kullu" 201 "Lahaul and Spiti" 202 "Mandi" 203 "Shimla" 204 "Sirmaur" 205 "Solan" 206 "Una" 207 "Anantnag" 208 "Badgam" 209 "Bandipora" 210 "Baramulla" 211 "Doda" 212 "Ganderbal" 213 "Jammu" 214 "Kargil" 215 "Kathua" 216 "Kishtwar" 217 "Kulgam" 218 "Kupwara" 219 "Leh" 220 "Poonch" 221 "Pulwama" 222 "Rajouri" 223 "Ramban" 224 "Reasi" 225 "Samba" 226 "Shopian"		

		227 "Srinagar" 228 "Udhampur" 229 "Bokaro" 230 "Chatra" 231 "Deoghar" 232 "Dhanbad" 233 "Dumka" 234 "East Singhbhum" 235 "Garhwa" 236 "Giridih" 237 "Godda" 238 "Gumla" 239 "Hazaribag" 240 "Jamtara" 241 "Khunti" 242 "Koderma" 243 "Latehar" 244 "Lohardaga" 245 "Pakur" 246 "Palamu" 247 "Ramgarh" 248 "Ranchi" 249 "Sahibganj" 250 "Seraikela Kharsawan" 251 "Simdega" 252 "West Singhbhum" 253 "Bagalkot" 254 "Bangalore Rural" 255 "Bangalore Urban" 256 "Belgaum"		

		257 "Bellary" 258 "Bidar" 259 "Chamarajnagar" 260 "Chikkaballapur" 261 "Chikkamagaluru" 262 "Chitradurga" 263 "Dakshina Kannada" 264 "Davanagere" 265 "Dharwad" 266 "Gadag" 267 "Gulbarga" 268 "Hassan" 269 "Haveri district" 270 "Kodagu" 271 "Kolar" 272 "Koppal" 273 "Mandya" 274 "Mysore" 275 "Raichur" 276 "Ramanagara" 277 "Shimoga" 278 "Tumkur" 279 "Udupi" 280 "Uttara Kannada" 281 "Vijayapura" 282 "Yadgir" 283 "Alappuzha" 284 "Ernakulam" 285 "Idukki" 286 "Kannur"		

		287 "Kasaragod" 288 "Kollam" 289 "Kottayam" 290 "Kozhikode" 291 "Malappuram" 292 "Palakkad" 293 "Pathanamthitta" 294 "Thiruvananthapuram" 295 "Thrissur" 296 "Wayanad" 297 "Agar Malwa" 298 "Alirajpur" 299 "Anuppur" 300 "Ashok Nagar" 301 "Balaghat" 302 "Barwani" 303 "Betul" 304 "Bhind" 305 "Bhopal" 306 "Burhanpur" 307 "Chhatarpur" 308 "Chhindwara" 309 "Damoh" 310 "Datia" 311 "Dewas" 312 "Dhar" 313 "Dindori" 314 "Guna" 315 "Gwalior" 316 "Harda"		

		317 "Hoshangabad" 318 "Indore" 319 "Jabalpur" 320 "Jhabua" 321 "Katni" 322 "Khandwa (East Nimar)" 323 "Khargone (West Nimar)" 324 "Mandla" 325 "Mandsaur" 326 "Morena" 327 "Narsinghpur" 328 "Neemuch" 329 "Panna" 330 "Raisen" 331 "Rajgarh" 332 "Ratlam" 333 "Rewa" 334 "Sagar" 335 "Satna" 336 "Sehore" 337 "Seoni" 338 "Shahdol" 339 "Shajapur" 340 "Sheopur" 341 "Shivpuri" 342 "Sidhi" 343 "Singrauli" 344 "Tikamgarh" 345 "Ujjain" 346 "Umaria"		

		347 "Vidisha" 348 "Agar Malwa" 349 "Ahmednagar" 350 "Akola" 351 "Aurangabad" 352 "Beed" 353 "Bhandara" 354 "Buldhana" 355 "Chandrapur" 356 "Dhule" 357 "Gadchiroli" 358 "Gondia" 359 "Hingoli" 360 "Jalgaon" 361 "Jalna" 362 "Kolhapur" 363 "Latur" 364 "Mumbai City" 365 "Mumbai suburban" 366 "Nagpur" 367 "Nanded" 368 "Nandurbar" 369 "Nashik" 370 "Osmanabad" 371 "Palghar" 372 "Parbhani" 373 "Pune" 374 "Raigad" 375 "Ratnagiri" 376 "Sangli"		

		377 "Satara" 378 "Sindhudurg" 379 "Solapur" 380 "Thane" 381 "Wardha" 382 "Washim" 383 "Yavatmal" 384 "Bishnupur" 385 "Chandel" 386 "Churachandpur" 387 "Imphal East" 388 "Imphal West" 389 "Senapati" 390 "Tamenglong" 391 "Thoubal" 392 "Ukhrul" 393 "East Garo Hills" 394 "East Jaintia Hills" 395 "East Khasi Hills" 396 "North Garo Hills" 397 "Ri Bhoi" 398 "South Garo Hills" 399 "South West Garo Hills" 400 "South West Khasi Hills" 401 "West Garo Hills" 402 "West Jaintia Hills" 403 "West Khasi Hills" 404 "Aizawl" 405 "Champhai" 406 "Kolasib"		

		407 "Lawngtlai" 408 "Lunglei" 409 "Mamit" 410 "Saiha" 411 "Serchhip" 412 "Dimapur" 413 "Kiphire" 414 "Kohima" 415 "Longleng" 416 "Mokokchung" 417 "Mon" 418 "Peren" 419 "Phek" 420 "Tuensang" 421 "Wokha" 422 "Zunheboto" 423 "Angul" 424 "Balangir" 425 "Balasore" 426 "Bargarh (Baragarh)" 427 "Bhadrak" 428 "Boudh (Bauda)" 429 "Cuttack" 430 "Debagarh (Deogarh)" 431 "Dhenkanal" 432 "Gajapati" 433 "Ganjam" 434 "Jagatsinghpur" 435 "Jajpur" 436 "Jharsuguda"		

		437 "Kalahandi" 438 "Kandhamal" 439 "Kendrapara" 440 "Kendujhar (Keonjhar)" 441 "Khordha" 442 "Koraput" 443 "Malkangiri" 444 "Mayurbhanj" 445 "Nabarangpur" 446 "Nayagarh" 447 "Nuapada" 448 "Puri" 449 "Rayagada" 450 "Sambalpur" 451 "Subarnapur (Sonepur)" 452 "Sundargarh" 453 "Karaikal" 454 "Mahe" 455 "Pondicherry" 456 "Yanam" 457 "Amritsar" 458 "Barnala" 459 "Bathinda" 460 "Faridkot" 461 "Fatehgarh Sahib" 462 "Fazilka" 463 "Firozpur" 464 "Gurdaspur" 465 "Hoshiarpur" 466 "Jalandhar"		

		467 "Kapurthala" 468 "Ludhiana" 469 "Mansa" 470 "Moga" 471 "Pathankot" 472 "Patiala" 473 "Rupnagar" 474 "Sahibzada Ajit Singh Nagar(Mohali)" 475 "Sangrur" 476 "Shahid Bhagat Singh Nagar" 477 "Sri Muktsar Sahib" 478 "Tarn Taran" 479 "Ajmer" 480 "Alwar" 481 "Banswara" 482 "Baran" 483 "Barmer" 484 "Bharatpur" 485 "Bhilwara" 486 "Bikaner" 487 "Bundi" 488 "Chittorgarh" 489 "Churu" 490 "Dausa" 491 "Dholpur" 492 "Dungapur" 493 "Ganganagar" 494 "Hanumangarh" 495 "Jaipur" 496 "Jaisalmer"		

		497 "Jalore" 498 "Jhalawar" 499 "Jhunjhunu" 500 "Jodhpur" 501 "Karauli" 502 "Kota" 503 "Nagaur" 504 "Pali" 505 "Pratapgarh" 506 "Rajsamand" 507 "Sawai Madhopur" 508 "Sikar" 509 "Sirohi" 510 "Tonk" 511 "Udaipur" 512 "East Sikkim" 513 "North Sikkim" 514 "South Sikkim" 515 "West Sikkim" 516 "Ariyalur" 517 "Chennai" 518 "Coimbatore" 519 "Cuddalore" 520 "Dharmapuri" 521 "Dindigul" 522 "Erode" 523 "Kanchipuram" 524 "Kanyakumari" 525 "Karur" 526 "Krishnagiri"		

		527 "Madurai" 528 "Nagapattinam" 529 "Namakkal" 530 "Nilgiris" 531 "Perambalur" 532 "Pudukkottai" 533 "Ramanathapuram" 534 "Salem" 535 "Sivaganga" 536 "Thanjavur" 537 "Theni" 538 "Thoothukudi" 539 "Tiruchirappalli" 540 "Tirunelveli" 541 "Tirupur" 542 "Tiruvallur" 543 "Tiruvannamalai" 544 "Tiruvarur" 545 "Vellore" 546 "Viluppuram" 547 "Virudhunagar" 548 "Adilabad" 549 "Hyderabad" 550 "Karimnagar" 551 "Khammam" 552 "Mahbubnagar" 553 "Medak" 554 "Nalgonda" 555 "Nizamabad" 556 "Ranga Reddy"		

		557 "Warangal" 558 "Dhalai" 559 "Gomati" 560 "Khowai" 561 "North Tripura" 562 "Sepahijala" 563 "South Tripura" 564 "Unokoti" 565 "West Tripura" 566 "Agra" 567 "Aligarh" 568 "Allahabad" 569 "Ambedkar Nagar" 570 "Amethi (Chhatrapati Shahuji Maharaj Nagar)" 571 "Amroha (Jyotiba Phule Nagar)" 572 "Auraiya" 573 "Azamgarh" 574 "Bagpat" 575 "Bahraich" 576 "Ballia" 577 "Balrampur" 578 "Banda" 579 "Barabanki" 580 "Bareilly" 581 "Basti" 582 "Bijnor" 583 "Budaun" 584 "Bulandshahr" 585 "Chandauli"		

		586 "Chitrakoot" 587 "Deoria" 588 "Etah" 589 "Etawah" 590 "Faizabad" 591 "Farrukhabad" 592 "Fatehpur" 593 "Firozabad" 594 "Gautam Buddh Nagar" 595 "Ghaziabad" 596 "Ghazipur" 597 "Gonda" 598 "Gorakhpur" 599 "Hamirpur" 600 "Hapur (Panchsheel Nagar)" 601 "Hathras (Mahamaya Nagar)" 602 "Jalaun" 603 "Jaunpur district" 604 "Jhansi" 605 "Kannauj" 606 "Kanpur Dehat (Ramabai Nagar)" 607 "Kanpur Nagar" 608 "Kasganj (Kanshi Ram Nagar)" 609 "Kaushambi" 610 "Kushinagar" 611 "Lakhimpur Kheri" 612 "Lalitpur" 613 "Lucknow" 614 "Maharajganj" 615 "Mahoba"		

		616 "Mainpuri" 617 "Mathura" 618 "Mau" 619 "Meerut" 620 "Mirzapur" 621 "Moradabad" 622 "Muzaffarnagar" 623 "Pilibhit" 624 "Pratapgarh" 625 "Raebareli" 626 "Rampur" 627 "Saharanpur" 628 "Sambhal (Bheem Nagar)" 629 "Sant Kabir Nagar" 630 "Shahjahanpur" 631 "Shamli" 632 "Shravasti" 633 "Siddharthnagar" 634 "Sitapur" 635 "Sonbhadra" 636 "Sultanpur" 637 "Unnao" 638 "Varanasi" 639 "Almora" 640 "Bageshwar" 641 "Chamoli" 642 "Champawat" 643 "Dehradun" 644 "Haridwar" 645 "Nainital"		

		646 "Pauri Garhwal" 647 "Pithoragarh" 648 "Rudraprayag" 649 "Tehri Garhwal" 650 "Udham Singh Naga" 651 "Uttarkashi" 652 "Alipurduar" 653 "Bankura" 654 "Purba Bardhaman" 655 "Birbhum" 656 "Cooch Behar" 657 "Dakshin Dinajpur" 658 "Darjeeling" 659 "Hooghly" 660 "Howrah" 661 "Jalpaiguri" 662 "Kolkata" 663 "Maldah" 664 "Murshidabad" 665 "Nadia" 666 "North 24 Parganas" 667 "Paschim Medinipur" 668 "Purba Medinipur" 669 "Purulia" 670 "South 24 Parganas" 671 "Uttar Dinajpur" 672 "Kalimpong" 673 "Jhargram" 674 "Paschim Bardhaman" 675 "Chhapra"		

		676 "Hardoi"		
		677 "Charkhi Dadri"		
		678 "Hojai"		
pv4	State_ patient come from	1 "Andaman and Nicobar"	Numeric	
		2 "Andhra Pradesh"		
		3 "Arunachal Pradesh"		
		4 "Assam"		
		5 "Bihar"		
		6 "Chandigarh"		
		7 "Chhattisgarh"		
		8 "Dadra and Nagar Haveli"		
		9 "Daman and Diu"		
		10 "Delhi"		
		11 "Goa"		
		12 "Gujarat"		
		13 "Haryana"		
		14 "Himachal Pradesh"		
		15 "Jammu and Kashmir"		
		16 "Jharkhand"		
		17 "Karnataka"		
		18 "Kerala"		
		19 "Ladakh"		
		20 "Lakshadweep (LD)"		
		21 "Madhya Pradesh"		
		22 "Maharashtra"		
		23 "Manipur"		
		24 "Meghalaya"		
		25 "Mizoram"		
		26 "Nagaland"		

		27 "Odisha" 28 "Puducherry" 29 "Punjab" 30 "Rajasthan" 31 "Sikkim" 32 "Tamil Nadu" 33 "Telangana" 34 "Tripura" 35 "Uttar Pradesh" 36 "Uttarakhand" 37 "West Bengal"		
pv5	Country_ patient come from	1 "India" 2 "Outside India"	Numeric	
pv6	location type_ patient come from	1 "Rural" 2 "Urban"	Numeric	

AMR Meta Data

Hospital information				
Variable Name	**Variable Label**	**Categories**	**Variable Type**	**Remarks**
hv1	Hospital ID		Numeric	
hv2	Date of Admission to the Hospital		Date	
hv3	Hospital department id	1 "Cardiology" 2 "Dermatology" 3 "Medicine" 4 "Gastroenterology" 5 "Hematology" 6 "Hepatology" 7 "Nephrology" 8 "Neurology" 10 "Pulmonary medicine" 11 "Psychiatry" 12 "Oral health (Dentistry)" 13 "Urology" 28 "General surgery" 35 "Neurosurgery" 38 "Truma unit" 39 "Otolaryngology (ENT)" 41 "Plastic surgery" 42 "Renal transplant" 44 "Special clinic" 45 "Anatomy"	Numeric	

		46 "Biochemistry" 47 "College of Nursing" 48 "Pathology" 49 "Pharmacology" 50 "Forensic Medicine and Toxicology" 51 "Medical Education" 52 "Medical Biometrics and Informatics (Biostatistics)" 53 "Physiology" 54 "Microbiology" 55 "Preventive and Social Medicine" 57 "Obstetrics and Gynaecology" 58 "Ophthalmology" 59 "Orthopaedic Surgery" 60 "Pediatric Surgery" 62 "Surgical Gastroenterology" 63 "Surgical Oncology" 64 "Surgery" 67 "Cardio thoracic and Vascular Surgery" 68 "Anaesthesiology & Critical Care" 71 "Dermatology and STD" 72 "Endocrinology" 73 "Medical Gastroenterology" 74 "Medical Oncology" 77 "Nuclear Medicine" 79 "Pediatric" 82 "Radiotherapy" 83 "Radio diagnosis" 84 "Transfusion Medicine" 85 "Physical Medicine and Rehabilitation (PMR)"		

		86 "Clinical Immunology" 87 "Clinical Pharmacology" 88 "Emergency Medicine and Trauma" 89 "Neonatology" 93 "G.I. Surgery" 94 "Geriatric medicine" 95 "IRCH (Malignancy)" 96 "Advance Trauma Centre" 97 "Anaesthesia and Intensive Care" 98 "Bone Marrow Transplant" 99 "Burn Unit" 101 "Communicable Disease Ward" 102 "Drug De-Addiction and Treatment" 103 "Emergency Medicine" 104 "Emergency Surgery" 107 "High Dependency Unit (HDU)" 108 "Internal Medicine" 114 "Orthopedics" 116 "Pediatric Medicine" 117 "Pediatric Orthopedics" 120 "Pulmonology" 123 "Others" 124 "Accident and Emergency" 125 "Anaesthesia" 127 "Cardio thoracic surgery" 128 "Child health" 129 "Community health and Development" 130 "Dental and Oral surgery" 134 "Family medicine" 136 "Geriatrics"		

		137 "Gynaecologic oncology" 139 "Hand and Leprosy reconstructive surgery" 140 "Low Cost Effective Care Unit (LCECU)" 145 "Neurosciences" 152 "Reproductive medicine" 153 "Respiratory medicine" 154 "Rheumatology" 155 "Rural Unit for Health and Social Affairs (RUHSA)" 156 "Staff student health service" 157 "Breast Oncology" 158 "Urological Oncology" 159 "Head and Neck Surgical Oncology" 160 "Gastro-intestinal and hepatobiliary surgical oncology" 161 "Pediatric Oncology" 162 "Clinical Nutrition"		
hv4	Location of the Hospital Department	1 "ICU" 2 "OPD" 3 "Ward"	Numeric	
hv5	Infection Type	1 "Community Acquired Infection" 2 "Health Care Associated" Infection 3 "Not Known"	Numeric	
hv6	Clinical Diagnosis		String	These string variables are open text with multiple responses separated by comma. It needs to be converted into numeric for

				analysis purposes.
hv7	Comorbidity		String	These string variables are open text with multiple responses separated by comma. It needs to be converted into numeric for analysis purposes.
hv8	Whether device used?	0 "no" 1 "yes"	Numeric	
hv9	Patient with Devices		String	These string variables are open text with multiple responses separated by comma. It needs to be converted into numeric for analysis purposes.
hv10	Prior Admission in Last 3 months	1 "ICU" 2 "Ward"	Numeric	

AMR Meta Data

Sample Information				
Variable Name	**Variable Label**	**Categories**	**Variable Type**	**Remarks**
sv1	Date of Collection of the sample		date	
sv2	Sample Type ID	1 "BAL" 3 "Sputum" 4 "Deep Biopsy" 5 "Blood-central catheter" 6 "Blood-peripheral" 7 "CSF" 8 "Fluid from sterile site" 9 "Genital tract" 10 "Ocular-superficial" 11 "Ocular-deep" 12 "Pus/exudate" 13 "Faeces" 14 "Throat swab" 15 "Urine" 16 "Wound swab" 17 "Abdominal fluid" 18 "Abscess aspirate" 20 "Bile" 21 "Brain abscess" 22 "Lung aspirate" 23 "Endotracheal aspirate (ETA)" 24 "Ethmoidal tissue"	Numeric	

		25 "FNAC" 27 "Gastric fluid" 28 "ICTD fluid" 29 "Intestinal fluid" 30 "Intra operative bile" 31 "Intra operative fluid" 32 "Intracostal tube fluid" 34 "Joint Fluid" 35 "Iobectomy tissue" 36 "Maxillary alveolar tissue" 38 "Maxillary sinus" 44 "Nasal scrapping" 45 "Nasal tissue" 46 "Necrosum" 47 "Needle aspirate" 48 "Oral cavity crust" 49 "Palatal mucosa" 50 "Palatal scrapping" 52 "Pancreatic drain fluid" 53 "Pericardial fluid" 54 "Peripheral catheter-blood" 55 "Peritoneal fluid" 56 "Pigtail fluid" 57 "Pleural fluid" 58 "PTBD fluid" 60 "Sinus mass" 62 "Skin biopsy" 63 "Deep Tissue" 64 "Vitreous fluid" 65 "Cervical Swab"		

		66 "Drain Fluid"		
		67 "Placental Membrane"		
		68 "Semen"		
		69 "Ear Swab"		
		70 "Bone"		
		71 "Nail"		
		72 "Hair"		
		73 "Instrument"		
		74 "Vaginal swab"		
		75 "Others"		
		76 "Bone Marrow"		
		77 "Vascular Catheter tip"		
		78 "Endometrium"		
		79 "Lymph node"		
		80 "Skin and Soft Tissue"		
		81 "Superficial Biopsy"		
		82 "Superficial Tissue"		
		83 "Pus aspirate"		
		84 "Abdominal Tissue"		
		85 "Abdominal Pus"		
sv3	Whether prescribed antibiotic for 3 days in last 1 Month?	0 "no" 1 "yes"	Numeric	
sv4	Antibiotics/Antifungals *(Taken for 3 days in last 1 Month)*		String	These string variables are open text with multiple responses separated by comma. It needs to be converted into numeric for analysis purposes.

AMR Meta Data

Susceptibility Information				
Variable Name	**Variable Label**	**Categories**	**Variable Type**	**Remarks**
suv1	AMR ID		Numeric	Unique identifier for AMR Information.
suv2	Suscepbility ID		Numeric	Unique identifier for susceptibility Information.
suv3	Sample ID		Numeric	Unique identifier for Sample Information.
suv4	Hospital Patient Relation ID		Numeric	Unique identifier for Hospital Information.
suv5	Patient ID		Numeric	Unique identifier for Patient Information
suv6	Antibiotic ID	1 "Amikacin" 2 "Amikacin" 3 "Cefepime" 4 "Cefepime" 5 "Cefoperazone-sulbactam" 6 "Cefoperazone-sulbactam" 7 "Cefotaxime" 8 "Cefotaxime" 9 "Ceftazidime" 10 "Ceftazidime"	Numeric	antibiotic id duplicate means that one for DISK and another for MIC susceptibility_test_type

		11 "Ciprofloxacin" 12 "Ciprofloxacin" 13 "Colistin" 14 "Doxycycline" 15 "Doxycycline" 16 "Ertapenem" 17 "Ertapenem" 18 "Imipenem" 19 "Imipenem" 20 "Meropenem" 21 "Meropenem" 22 "Nitrofurantoin" 23 "Nitrofurantoin" 24 "Norfloxacin" 25 "Norfloxacin" 26 "Piperacillin-tazobactam" 27 "Piperacillin-tazobactam" 28 "Trimethoprim-sulfamethoxazole" 29 "Trimethoprim-sulfamethoxazole" 30 "Ampicillin" 31 "Ampicillin" 32 "Cefixime" 33 "Cefixime" 34 "Ceftriaxone" 35 "Ceftriaxone" 36 "Chloramphenicol" 37 "Chloramphenicol" 38 "Ofloxacin" 39 "Aztreonam" 40 "Aztreonam"		

		41 "Colistin" 42 "Colistin" 43 "Gentamicin" 44 "Gentamicin" 45 "Levofloxacin" 46 "Levofloxacin" 47 "Netilmicin" 48 "Netilmicin" 49 "Tobramycin" 50 "Tobramycin" 52 "Tetracycline" 53 "Tetracycline" 58 "Minocycline" 59 "Minocycline" 60 "Ticarcillin-clavulanic acid" 62 "Azithromycin" 63 "Clindamycin" 64 "Nalidixic acid" 65 "Nalidixic acid" 66 "Cefoxitin" 67 "Cefoxitin" 68 "Clindamycin" 69 "Clindamycin" 70 "Erythromycin" 71 "Erythromycin" 72 "Linezolid" 73 "Linezolid" 74 "Mupirocin High Level" 75 "Mupirocin High Level" 76 "Penicillin"		

		77 "Penicillin" 78 "Teicoplanin" 79 "Teicoplanin" 80 "Tigecycline" 81 "Vancomycin" 84 "Vancomycin" 86 "Gentamicin_HL" 87 "Gentamicin_HL" 88 "Anidulafungin" 89 "Anidulafungin" 90 "Caspofungin" 91 "Caspofungin" 92 "Micafungin" 93 "Micafungin" 94 "Fluconazole" 95 "Fluconazole" 96 "Voriconazole" 97 "Voriconazole" 98 "Amphotericin B" 99 "Itraconazole" 100 "Posaconazole" 101 "Amphotericin B" 102 "Itraconazole" 103 "Posaconazole" 104 "Tigecycline" 105 "Tigecycline" 106 "Oxacillin" 107 "Oxacillin" 108 "Cefazolin" 109 "Cefazolin"		

		110 "Fosfomycin"		
		111 "Fosfomycin"		
		112 "Azithromycin"		
		114 "Pefloxacin"		
		115 "Oritavancin"		
		116 "Tedizolid"		
		117 "Telavancin"		
		118 "Imipenem-relebactam"		
		119 "Imipenem-relebactam"		
		120 "Ceftazidime-avibactam"		
		121 "Ceftazidime-avibactam"		
		124 "Meropenem-vaborbactam"		
		125 "Meropenem-vaborbactam"		
		126 "Polymixin B"		
		127 "Daptomycin"		
		128 "Penicillin (Parental and Meningitis)"		
		129 "Penicillin (Parental and Non-meningitis)"		
		130 "Penicillin (Oral)"		
		131 "Cefotaxime (Non-meningitis)"		
		132 "Cefotaxime (Meningitis)"		
		133 "Ceftriaxone (Non-meningitis)"		
		134 "Ceftriaxone (Meningitis)"		
		135 "Ceftaroline"		
		136 "Ceftaroline"		
suv7	Panel ID	1 "Enterobacteriaceae-Urine"	Numeric	
		2 "Enterobacteriaceae-Non urine"		
		3 "Typhoidal Salmonella"		
		4 "Pseudomonas aeruginosa"		

		5 "Acinetobacter" 6 "Burkholderia cepacia" 7 "Stenotrophomonas maltophilia" 8 "Shigella, DEC" 9 "Faecal Salmonella, Arizona" 10 "Vibrio" 11 "Campylobacter" 12 "Aeromonas, Plesiomonas" 13 "Staphylococcus aureus" 14 "Staphylococcus Coagulase Negative" 15 "Enterococci faecium and spp - Urine" 17 "Staphylococcus lugdunensis" 18 "Staphylococcus pseudointermedius" 19 "Enterococci - Non urine" 20 "Yeasts" 21 "Candida glabrata" 22 "Candida parapsilosis" 23 "Candida krusei" 24 "Candida guilliermondii" 25 "Aspergillus" 26 "Aspergillus terreus" 27 "Aspergillus nidulans" 28 "Streptococcus pneumoniae" 29 "Streptococcus beta haemolytic group" 30 "Streptococcus viridans" 31 "Candida albicans"		

		32 "Candida tropicalis" 33 "Enterococci faecalis- Urine"		
suv8	special test type	1 Genotypic 2 Phenotypic	Numeric	
suv9	Special Test ID	1 "ESBL" 2 "AmpC" 6 "CMY" 7 "DHA" 8 "TEM" 10 "Carba NP confirmatory test" 11 "Carba NP screening test" 12 "Carbapenemase-Imipenem-Aminophenyl boronic acid" 13 "Carbapenemase-Imipenem-Phenyl boronic acid" 14 "Carbapenemase-Imipenem-Cloxacillin" 15 "Carbapenemase-Imipenem-EDTA" 17 "Efflux pump over expression-Levofloxacin-EPI-PAbetaN" 18 "CarbAcineto NP screening test" 19 "Outer membrane porin loss detection-OprD" 20 "Outer membrane porin loss detection-CarO" 21 "Beta lactamase Penicillin zone edge test" 22 "Beta lactamase Nitrocefin test" 23 "PBP2a latex agglutination test" 24 "D-test for inducible Clindamycin resistance" 25 "SHV" 26 "OXA-1" 30 "CTX-M-1"	Numeric	

		31 "CTX-M-2" 32 "CTX-M-9" 34 "CTX-M-8/25" 35 "ACC" 36 "MOX" 38 "CIT" 39 "EBC" 40 "VEB" 41 "GES" 42 "PER" 43 "VIM" 44 "IMP" 45 "KPC" 50 "NDM-1" 51 "gyrA" 52 "gyrB" 53 "parC" 54 "parE" 55 "qnrA" 56 "qnrB" 57 "qnrS" 58 "acrR" 60 "FOX" 61 "SPM" 62 "OXA 48 like" 63 "MexAB-OprM" 64 "MexXY-OprM" 65 "MexCD-OprJ" 66 "MexEF-OprN" 67 "OprD"		

		68 "OXA 51" 69 "OXA 23" 70 "OXA 24" 71 "OXA 58" 72 "bla-OXA" 73 "dhfrIa" 74 "sul1" 76 "aac(6')-Ib-cr" 77 "bla-TEM" 78 "dfrA1" 79 "sul2" 80 "tetA" 81 "nim" 83 "tet" 84 "tetO" 85 "aerA" 86 "act" 87 "hly" 88 "mecA" 89 "mupA" 90 "mupB" 91 "ermA" 92 "ermB" 93 "ermC" 94 "vanA" 95 "vanB" 96 "vanC" 97 "vanHAX" 98 "aac(6')-Ie" 99 "aph(2")-Ia"		

		100 "aph(2")-Ib" 101 "aph(2")-Ic" 102 "aph(2")-Id" 103 "aph(3')-IIIa" 104 "ant(4')-Ia" 105 "Carbapenemase Modified Hodge test" 106 "alt" 107 "AmpC" 108 "CTX-M" 109 "Modified Hodge test" 110 "Carba-NP test" 111 "Modified carbapenem inactivation method (mCIM)" 112 "Cfr" 113 "GES" 114 "ERG11-A114S" 115 "ERG11-Y132F/H" 116 "ERG11-K143R/Q" 117 "ERG11-D446E" 118 "ERG11-G448E" 119 "ERG11-G450E" 120 "ERG11- G464S" 121 "ERG11-R467K" 122 "FKS1-S645P/F/Y" 123 "FKS1-F641S/L" 124 "FKS1-D648Y" 125 "FKS1-P649H" 126 "FKS1-R1361H" 127 "Zygosity of the mutation" 128 "Any other genetic alteration"		

		129 "ERG11-Y132F" 130 "ERG11-G464S" 131 "ERG11-Y257H" 132 "ERG11-V125A" 133 "FKS1-S654P" 135 "ERG11-K143R" 136 "FKS1-S639P" 137 "FKS1-S639F" 139 "FKS1-F635Y" 140 "FKS1-F635L" 141 "FKS1-R1354S" 142 "FKS1-S663F/P" 143 "FKS1-S659S/V/Y/Ã¢Ë†â€ " 144 "FKS1- L664R" 145 "FKS1-P667T" 146 "FKS2-S629P" 147 "FKS2-F625S" 148 "FKS2-F623E/G" 149 "TR34/L98H" 150 "TR46/Y121F/T289A" 151 "Cyp51A-G54" 152 "Cyp51A-M220" 153 "Cyp51A-Y319H" 154 "Cyp51A-S196F" 155 "Cyp51A-N423D"		
suv10	Organism ID	1 "Escherichia coli" 2 "Citrobacter freundii" 3 "Citrobacter koseri" 4 "Citrobacter spp."	Numeric	

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		5 "Klebsiella pneumoniae" 6 "Klebsiella oxytoca " 7 "Klebsiella spp. " 8 "Klebsiella (Enterobacter) aerogenes" 9 "Enterobacter cloacae " 10 "Enterobacter spp." 11 "Hafnia alvei " 12 "Serratia marcescens " 13 "Proteus mirabilis " 14 "Proteus vulgaris " 15 "Morganella morganii " 16 "Providencia rettgeri " 17 "Providencia stuartii " 18 "Salmonella Typhi " 19 "Salmonella Paratyphi A " 20 "Salmonella spp. " 21 "Pseudomonas aeruginosa" 23 "Acinetobacter baumannii " 24 "Acinetobacter calcoaceticus " 25 "Acinetobacter lwoffii " 26 "Acinetobacter spp. " 27 "Stenotrophomonas maltophilia " 28 "Burkholderia cepacia " 29 "Staphylococcus aureus" 32 "Staphylococcus lugdunensis" 35 "Staphylococcus haemolyticus" 36 "Staphylococcus epidermidis" 37 "Staphylococcus hominis" 38 "Staphylococcus saprophyticus" 39 "Enterococcus faecalis"		

		40 "Enterococcus faecium" 41 "Enterococcus spp." 42 "Aeromonas spp. " 43 "Arizona spp. " 44 "Vibrio cholerae " 45 "Vibrio parahaemolyticus " 46 "Vibrio spp. " 47 "Escherichia coli Diarrhoeagenic" 48 "Campylobacter jejuni " 50 "Shigella dysenteriae" 51 "Shigella flexneri " 52 "Shigella boydii" 53 "Shigella sonnei " 54 "Shigella spp. " 55 "Salmonella spp. Faecal" 56 "Salmonella Typhimurium Faecal" 57 "Salmonella Enteritidis " 58 "Salmonella Newport " 59 "Salmonella Heidelberg " 60 "Plesiomonas shigelloides " 62 "Staphylococcus spp." 63 "Staphylococcus pseudointermedius" 64 "Aspergillus flavus " 65 "Aspergillus fumigatus " 66 "Aspergillus terreus " 67 "Aspergillus versicolor " 68 "Aspergillus nidulans " 69 "Aspergillus niger " 70 "Blastobortrys adeninivorans" 71 "Candida haemulonii"		

		72 "Candida krusei" 73 "Candida auris" 74 "Candida vishwanathii" 75 "Candida catenulata" 76 "Candida chiropterorum" 77 "Candida famata" 78 "Candida intermedia" 79 "Candida kefyr" 80 "Candida lipolytica" 81 "Candida lusitaniae" 82 "Candida nivariensis" 83 "Candida pararugosa" 84 "Candida pelliculosa" 85 "Candida rugosa" 86 "Candida utilis" 87 "Candida albicans " 88 "Candida guilliermondii " 89 "Candida glabrata " 90 "Candida parapsilosis " 91 "Candida tropicalis" 92 "Cryptococcus neoformans" 93 "Cryptococcus neoformans var gattii" 94 "Cryptococcus neoformans var grubii" 95 "Debaromyces hansenii" 96 "Kodamaea ohmeri" 97 "Pichia fabianii" 98 "Pichia jadinii" 99 "Pichia kudriavzevii" 100 "Pseudozyma aphidis" 101 "Pseudozyma churashimaensis"		

		102 "Rhizopus oryzae" 103 "Rhizopus homothallicus" 104 "Rhizopus microsporus" 105 "Rhodotorula mucilaginosa" 106 "Rhodotorula glutinis" 107 "Saccharomyces cerevisiae" 108 "Trichosporon asahii" 109 "Trichosporon mucoides" 110 "Trichophyton mentagrophytes" 111 "Acinetobacter baumanii-calcoaceticus complex" 112 "Burkholderia cepacia complex" 113 "Streptococcus pneumoniae" 114 "Streptococcus pyogenes" 115 "Streptococcus agalactiae" 116 "Streptococcus viridans" 117 "Wickeromyces anomalus" 118 "Rhizopus arrhizus"		
suv11	Identification Method	1 "Biochemical test" 2 "Proteomics" 3 "Vitek-2" 4 "MaldiToff" 5 "16s rRNA Sequencing" 6 "Whole Genome Sequencing" 7 "Conventional identification by microscopy/phenotype"	Numeric	

suv12	Susceptibility Test Type	1 "AUTOMATED" 2 "DISK" 3 "ETEST" 4 "MIC"	Numeric	
suv13	Value		String	
suv14	Remarks	1"susceptible " 2 "Intermediate" 3 "resistant"	Numeric	