

Pharmacy and Therapeutics Committee

June 12, 2024



Prayer



Approval of Minutes



FMOLHS System P&T Committee

Class Reviews



FMOLHS System P&T Recommendations:

POLYMYXINS, INTRAVENOUS (8:12:28:28)

Colistimethate	FORMULARY – <i>restricted to infectious diseases</i>
Polymyxin B	

ANESTHESIA GASES

Sevoflurane (Ultane®)	FORMULARY
Isoflurane (Florane®)	
Desflurane (Suprane®)	



FMOLHS System P&T Recommendations:

POST-MENOPAUSAL OSTEOPOROSIS TREATMENTS, NON-BISPHOSPHONATES	
Raloxifene (Evista®)	FORMULARY
Denosumab (Prolia®)	FORMULARY - <i>restricted to outpatients.</i>
Romozosumab (Evenity®)	
Teriparatide (Forteo®)	NON-FORMULARY
Abaloparatide (Tymlos®)	
Bazedoxifine (Duavee®)	

OPIATE ANTAGONISTS (28:10)	
Naloxone injection	FORMULARY
Naltrexone tablets	
Naloxone nasal spray	FORMULARY - <i>restricted to outpatients.</i>
Naltrexone injection	
Nalmefene	NON-FORMULARY



FMOLHS System P&T Recommendations:

ANTIFUNGAL AGENTS, AZOLE DERIVATIVES (8:14.08)	
Fluconazole (Diflucan®)	FORMULARY
Itraconazole (Sporanox®)	
Voriconazole (Vfend®)	
Posaconazole (Noxafil®)	FORMULARY – <i>restricted to Infectious Diseases or Oncology</i>
Isavuconazonium (Cresemba®)	FORMULARY – <i>restricted to Infectious Diseases</i>
Terconazole (Terazol®)	NON-FORMULARY
Oteseconazole (Vivjoa®)	

Amphotericin B	
Amphotericin B liposomal (AmBisome®)	FORMULARY
Amphotericin B conventional	
Amphotericin B lipid complex (Abelcet®)	NON-FORMULARY



FMOLHS System P&T Recommendations:

GUANYLATE CYCLASE-C (GC-C) AGONISTS (56:92)	
Linaclotide (Linzess®)	FORMULARY - <i>restricted to continuation of home therapy and to GI practitioners</i>
Plecanatide (Trulance®)	NON-FORMULARY

CENTRAL ALPHA AGONISTS (24:08.16)	
Clonidine IR, patch, and injection Guanfacine IR Methyldopa	FORMULARY
Clonidine XR and guanfacine XR	FORMULARY - <i>restricted to pediatrics. Use to be evaluated in 1 year</i>



FMOLHS System P&T Recommendations:

OXYTOCICS

Carboprost (Hemabate®), dinoprostone (Cervidil®), methylergonovine, oxytocin (Pitocin®), misoprostol (Cytotec®)	FORMULARY
Dinoprostone (Prepdil) gel	NON-FORMULARY

PHOSPHODIESTERASE-3 ENZYME INHIBITORS

Cilostazol, milrinone, and anagrelide	FORMULARY
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OPHTHALMIC MYDRIATICS

Atropine, cyclopentolate, phenylephrine, tropicamide, cyclopentolate/phenylephrine, and tropicamide/phenylephrine	FORMULARY
Homatropine	NON-FORMULARY



FMOLHS System P&T Recommendations:

DOPAMINE (D2) AGONISTS, ERGOT-DERIVED	
Bromocriptine	FORMULARY
Cabergoline	FORMULARY – not stocked

OPHTHALMIC MIOTICS	
Acetylcholine and pilocarpine	FORMULARY
Carbachol	FORMULARY - <i>restricted to ocular surgeries</i>
Echothiophate iodide	NON-FORMULARY



FMOLHS System P&T Recommendations:

COMPLEMENT INHIBITORS, C5 and C3 - (wording update)	
Eculizumab (Soliris®)	FORMULARY - <i>restricted to <u>outpatient</u> use (not preferred) & <u>inpatient</u> use for atypical hemolytic uremic syndrome</i>
Ravulizumab-cwvz (Ultomiris®)	FORMULARY - <i>restricted to outpatient use (preferred).</i>
Pegcetacoplan (Empaveli®) and Pozelimab-bbfg (Veopoz®)	NON-FORMULARY

SOMATOSTATIN ANALOGS	
Octreotide (Sandostatin®)	FORMULARY
octreotide acetate LAR (Sandostatin LAR®)	FORMULARY - <i>restricted to outpatient use</i>
lanreotide (Somatuline Depot®) pasireotide (Signifor LAR®)	NON-FORMULARY



FMOLHS System P&T Committee

Automatic Interchange proposals



Lourdes Health Thiamine IV -> PO

- Automatic conversion of thiamine IV to PO per protocol.



FMOLHS ASP Stewardship Initiatives

- Cefdinir removal from formulary

	Cefdinir	Amoxicillin-clavulanate	Cefpodoxime
Bioavailability	16-21%	60%+	50%
Protein binding	60-70%	~25%	~20-30%
Cost	\$1.55/day	\$1.07/day	\$6.94/day



FMOLHS ASP Stewardship Initiatives

Cefdinir Therapeutic Interchange

Cefdinir						
Medication Ordered	Dosage form	Dose & Frequency	Formulary Medication	Dosage Form	Indication	Dose & Frequency
Cefdinir** (Omnicef®)	Capsule, Susp	300mg BID	Augmentin* 875-125	Tablet, Susp		1 tablet PO BID
			Cepodoxime (Vantin)	Tablet, Susp	UTI, pharyngitis	100 mg PO BID
					Pyelonephritis, Respiratory	200 mg BID
					Bacteremia, SSTI	400 mg BID

*Note: If the patient is allergic to penicillin, then Cepodoxime (Vantin) would be the alternative

**Note: Restricted to pediatric patients less than less than 2 months



FMOLHS ASP Stewardship Initiatives

Ophthalmic Antibiotics

Medication Ordered	Dosage form	Dose & Frequency	Formulary Medication	Dosage Form	Dose & Frequency
Ciprofloxacin 0.3%	Ophthalmic ointment	Any	Erythromycin 0.5%	Ophthalmic ointment	Same as ordered
Ciprofloxacin 0.3%	Ophthalmic solution	Any	Ofloxacin 0.3%	Ophthalmic solution	Same as ordered
Gatifloxacin 0.5%					
Levofloxacin 0.5%					
Levofloxacin 1.5%					
Moxifloxacin 0.5%*					1 drop BID-TID

***Note:** Vigamox (moxifloxacin) will be formulary restricted to retinopathy of prematurity and surgery settings



FMOLHS System P&T Committee

Consent Agenda Class Review
Recommendations Summary



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

PERIPHERALLY-ACTING MU OPIOID RECEPTOR ANTAGONISTS (PAMORA)	
alvimopan (Entereg®)	FORMULARY
methylnatrexone (Relistor®)	FORMULARY – <i>restricted to palliative care, oncology, failure of ≥ 2 other laxatives</i>
naloxegol (Movantik®)	FORMULARY - <i>restricted to failure of ≥ 2 other laxatives</i>
naldemedine (Symproic®)	NON-FORMULARY

PULMONARY SURFACTANTS	
Poractant alfa (Curosurf®)	FORMULARY
Calfactant (Infasurf®), Surnavanta (Survanta®)	NON-FORMULARY



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

SELECTIVE SEROTONIN AGONISTS	
Sumatriptan	FORMULARY
Almotriptan, eletriptan, naratriptan, rizatriptan, zolmitriptan, & sumatriptan/naproxen	NON-FORMULARY

Fibric Acid Derivatives	
Fenofibrate (Tricor) Gemfibrozil	FORMULARY
Fenofibrate (Antara), fenofibrate (Lofibra), & fenofibrate (Trilipix)	NON-FORMULARY



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Consent Agenda Class Review Recommendations Summary

CEPHALOSPORINS	
Cefazolin, cephalexin, cefuroxime axetil, cefuroxime sodium, cefoxitin, ceftriaxone, cefepime (new) , cefepime	FORMULARY
Cefdinir	FORMULARY – <i>restricted to patients < 2 months of age</i>
Ceftazidime	FORMULARY – <i>restricted to the pediatric, nephrology, ID specialties</i>
Ceftaroline	FORMULARY – <i>restricted to ID</i>
Cefiderocol	FORMULARY - <i>restricted to use in multi-drug resistant organisms with the restriction to ordering by infectious disease providers</i>
Cefadroxil, cefaclor, cefotaxime, cefopoxime, cefixime	NON-FORMULARY



FMOLHS ASP Stewardship Initiatives

Consent Agenda Class Reviews

PENICILLINS	
Penicillin GK, penicillin G Na (not included in original review) , penicillin VK, penicillin G benzathine (Bicillin LA), penicillin benzathine/procaine (Bicillin CR), amoxicillin, amoxicillin/clavulanate, ampicillin, ampicillin/sulbactam, oxacillin, dicloxacillin, and piperacillin/tazobactam	FORMULARY
Nafcillin & ticarcillin/clavulanate	NON-FORMULARY (with therapeutic subs)
AMINOGLYCOSIDES	
Amikacin, gentamicin, neomycin, tobramycin	FORMULARY



FMOLHS ASP Stewardship Initiatives

Consent Agenda Class Reviews

FLUOROQUINOLONES	
Ciprofloxacin, levofloxacin	FORMULARY
Moxifloxacin	FORMULARY – <i>restricted to non-tuberculosis mycobacterium indications</i>

CARBAPENEMS	
Meropenem, ertapenem	FORMULARY – <i>restricted to infectious diseases</i>
Imipenem/cilastatin, imipenem/cilastatin/relebactam	NON-FORMULARY – (with therapeutic substitutions)
Meropenem/vaborbactam	NON-FORMULARY



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

MAGNESIUM REPLACEMENT AGENTS	
Magnesium sulfate injection	FORMULARY
Magnesium oxide tablets	FORMULARY
Magnesium chloride magnesium gluconate magnesium lactate magnesium carbonate	NON-FORMULARY



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

PHOSPHATE BINDERS	
Sevelamer carbonate oral tablets	FORMULARY
Sevelamer carbonate powder packets	FORMULARY - <i>reserved for patients requiring their medications to be crushed and pediatrics</i>
Calcium acetate (PhosLo)	FORMULARY - <i>restricted to pts taking prior to admission and patients post-thyroidectomy</i>
Calcium carbonate tablets	FORMULARY
Calcium carbonate oral solution	FORMULARY - <i>restricted to pediatrics</i>
Sevelamer hydrochloride, lanthanum, ferric citrate, sucroferric oxyhydroxide, calcium acetate (liquid)	NON-FORMULARY



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

IRON REPLACEMENT AGENTS, ORAL	
Ferrous sulfate tablets, enteric coated tablets , and suspension oral liquid	FORMULARY
Ferrous sulfate extened-release tablets Ferrous gluconate Ferrous fumarate Iron polysaccharide complex Ferric maltose	NON-FORMULARY
Ferric citrate	SEE PHOSPHATE BINDERS CLASS REVIEW



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

SELECTIVE SEROTONIN REUPTAKE INHIBITORS (SSRIs)

Sertraline, citalopram, escitalopram, fluoxetine, fluvoxamine, paroxetine	FORMULARY
Fluoxetine DR, fluvoxamine ER, and paroxetine ER	NON-FORMULARY

SELECTIVE SEROTONIN AND NOREPINEPHRINE REUPTAKE INHIBITORS

Venlafaxine, venlafaxine XR, duloxetine	FORMULARY
Desvenlafaxine (Pristiq)	FORMULARY – <i>not stocked</i>
Levomilnacipran (Fetzima), milnacipran (Savella)	NON-FORMULARY



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

5-ASA DERIVATIVES

Pentasa (Mesalamine), Lialda (Mesalamine) , Delzicol (Mesalamine), sulfasalazine, Canasa (Mesalamine) & Rowasa (Mesalamine)	FORMULARY
Apriso (Mesalamine), Asacol HD (Mesalamine), Balsalazide, & Olsalazine	NON-FORMULARY

PROSTACYCLINS

Veletri (epoprostenol)	FORMULARY
Flolan (epoprostenol Sodium)	NON-FORMULARY

POTASSIUM REMOVING AGENTS

Sodium-zirconium cycloilicate (Lokelma®)	FORMULARY
Sodium polystyrene sulfonate	FORMULARY- <i>restricted to NPO usage & pediatrics.</i>
Patiomer	FORMULARY – <i>restricted to patients with CHF</i>



FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

ANTI-MRSA ANTIBIOTICS

Vancomycin, fosfomycin	FORMULARY
Ceftaroline, daptomycin, linezolid	FORMULARY - <i>restricted to infectious disease</i>
Dalbavancin	FORMULARY - <i>restricted to outpatient</i>
Cefiderocol , oritavancin, telavancin, tedizolid, and quinupristin/dalfopristin	NON-FORMULARY

Error in slide; cefiderocol is formulary, restricted to ID (Corrected 8/7/24)

TETRACYCLINES

Doxycycline, minocycline (PO)	FORMULARY
Tigecycline & eravacycline	FORMULARY - <i>restricted to infectious disease</i>
Tetracycline, minocycline (IV), and omadacycline	NON-FORMULARY

MONOBACTAM

aztreonam	FORMULARY
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FMOLHS System P&T

Consent Agenda Class Review Recommendations Summary

SULFONAMIDES	
Trimethoprim sulfamethoxazole and trimethoprim	FORMULARY
LINCOSAMIDE	
Clindamycin	FORMULARY
MACROLIDES	
Erythromycin, clarithromycin, azithromycin	FORMULARY
fidaxomicin	FORMULARY - <i>restricted to infectious disease</i>
NITROIMIDIAZOLES	
Metronidazole	FORMULARY



Our Lady of Lourdes P&T

Therapeutic interchanges: Inhalers to Nebs

Combo Therapy (ICS/LABA)				
Medication Ordered	Strength & Dose	Formulary Medication	Equivalent Dose	Frequency
Fluticasone propionate /Salmeterol (AirDuo Digihaler) Inhalation Powder	55mcg/14mcg 1 inhalation BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.25mg Neb	1 nebulization	BID
	113mcg/14mcg 1 inhalation BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.25mg Neb	1 nebulization	BID
	232mcg/14mcg 1 inhalation BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.5mg Neb	1 nebulization	BID
Fluticasone propionate/salmeterol (Wixela®, Advair Diskus®) Inhalation Powder	100mcg/50mcg 1 inhalation BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.25mg Neb	1 nebulization	BID
	250mcg/50mcg 1 inhalation BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.5mg Neb	1 nebulization	BID
	500mcg/50mcg 1 inhalation BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.5mg Neb	2 nebulizations (1mg)	BID



Our Lady of Lourdes P&T

Therapeutic interchanges: Inhalers to Nebs

Combo Therapy (ICS/LABA)				
Medication Ordered	Strength & Dose	Formulary Medication	Equivalent Dose	Frequency
Budesonide/formoterol fumarate (Breyne [®] , Symbicort [®]) Aerosol Inhaler	80mcg/4.5mcg 2 inhalations BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.25mg Neb	1 nebulization	BID
	160mcg/4.5mcg 2 inhalations BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.5mg Neb	1 nebulization	BID
Mometasone/Formoterol (Dulera [®]) Aerosol Inhaler	50mcg/5mcg 2 inhalations BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.25mg Neb	1 nebulization	BID
	100mcg/5mcg 2 inhalations BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.25mg Neb	1 nebulization	BID
	200mcg/5mcg 2 inhalations BID	Albuterol 2.5mg Neb	1 nebulization	QID
		Budesonide 0.5mg Neb	1 nebulization	BID



Our Lady of Lourdes P&T

Therapeutic interchanges: Inhalers to Nebs

Combo Therapy (LABA/LAMA)

Medication Ordered	Strength & Dose	Formulary Medication	Equivalent Dose	Frequency
Glycopyrrolate/Formoterol fumarate (Bevespi Aerosphere®) Inhalation Aerosol	9mcg/4.8mcg 2 inhalations BID	Albuterol/Ipratropium (DuoNeb) 2.5mg/0.5mg	1 nebulization	QID
Acclidinium bromide/formoterol (Duaklir Pressair®) Inhalation Powder	400mcg/12mcg 1 inhalation BID			
Indacaterol/Glycopyrrolate (Utibron Neohaler®) Inhalation Capsule	27.5mcg/15.6mcg 1 inhalation BID			
Tiotropium/Olodaterol (Spiolto Respimat®) Aerosol Inhaler	2.5mcg/2.5mcg 2 inhalations Daily			
Umeclidinium/Vilanterol (Anoro Ellipta®) Aerosol Powder	62.5 mcg/25 mcg 1 inhalation Daily			



Our Lady of Lourdes P&T

Therapeutic interchanges: Inhalers to Nebbs

ICS/LAMA/LABA (Combo Therapy)

Medication Ordered	Strength & Dose	Formulary Medication	Equivalent Dose	Frequency
Fluticasone furoate/ umeclidinium/vilanterol (Trelegy Ellipta®) Inhalation Powder	100mcg/62.5mcg/25 mcg 1 inhalation Daily	Albuterol/Ipratropium (DuoNeb) 2.5mg/0.5mg	1 nebulization	QID
		Budesonide 0.25mg Neb	1 nebulization	BID
	200mcg/62.5mcg/25 mcg 1 inhalation Daily	Albuterol/Ipratropium (DuoNeb) 2.5mg/0.5mg	1 nebulization	QID
		Budesonide 0.5mg Neb	1 nebulization	BID
Budesonide/Glycopyrrolate/ Formoterol fumarate (Breztri Aerosphere®) Inhalation Powder	182mcg/10.4mcg/5.5mcg 2 inhalations BID	Albuterol/Ipratropium (DuoNeb) 2.5mg/0.5mg	1 nebulization	QID
		Budesonide 0.5mg Neb	1 nebulization	BID



Our Lady of Lourdes P&T

Therapeutic interchanges: Inhalers to Nebs

Long-Acting Anticholinergic Agent			
Medication Ordered	Strength & Dose	Formulary Medication	Equivalent Dose
Umeclidinium (Incruse Ellipta®) Aerosol Powder	62.5mcg - 1 inhalations Daily	Ipratropium 0.5mg Neb	1 nebulization QID
Revefenacin (Yuprelri®) Inhalation Solution	175mcg/3mL Daily		
Aclidinium (Tudorza Pressair®) Aerosol Inhaler	400mcg - 1 inhalation BID		
Tiotropium (Spiriva HandiHaler®) Inhalation Capsule	18mcg/1 capsule inhalation Daily		

Selective B2 Adrenergic Agonist			
Medication Ordered	Strength & Dose	Formulary Medication	Equivalent Dose
Indacaterol (Arcapta Neohaler®) Inhalation Capsule	75mcg/1 capsule inhalation Daily	Albuterol 2.5mg Neb	1 nebulization QID
Formoterol Fumarate (Perforomist®) Nebulization Solution	20mcg/2mL inhalation BID		
Formoterol (Foradil Aerolizer®) Inhalation Capsule	12mcg/capsule 1-2 capsules inhalation BID		
Olodaterol (Striverdi Respimat®) Aerosol Inhaler	2.5mcg/actuation 2 inhalations daily		



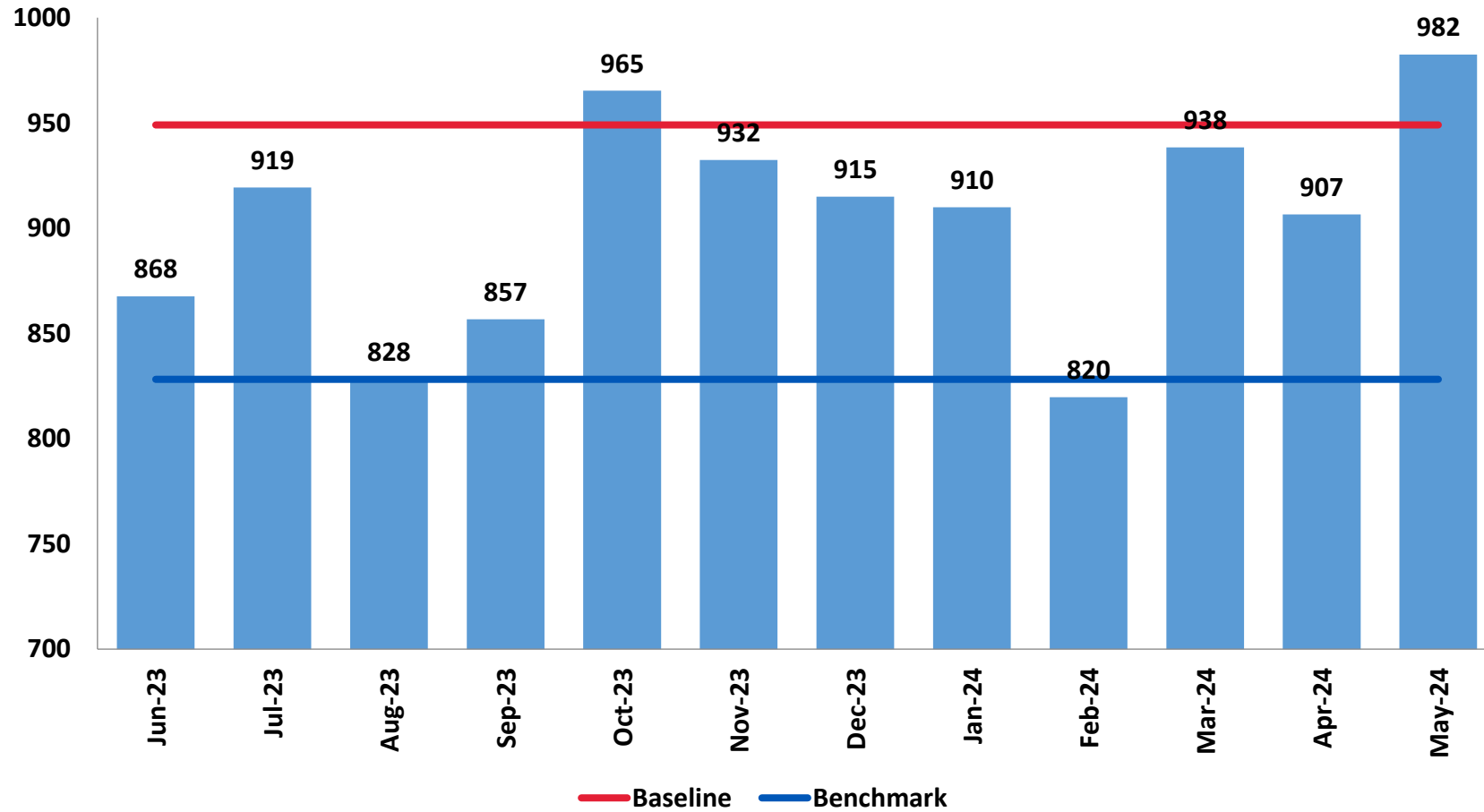
FMOLHS System P&T Committee

Antimicrobial Stewardship

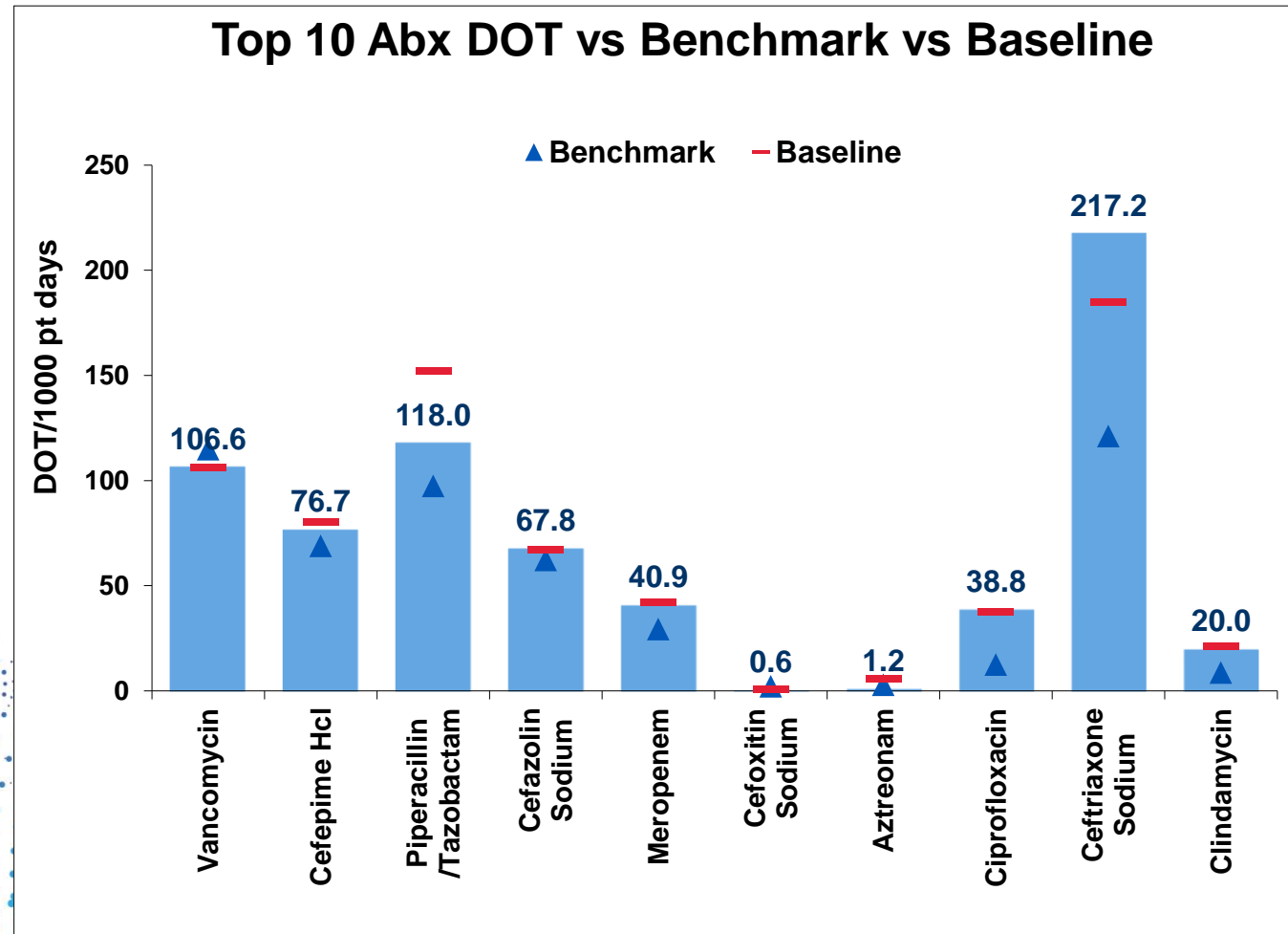


Antimicrobial Usage – LOLR Cardinal DCOA

Antibiotic Total DOT/1000 pt day trend

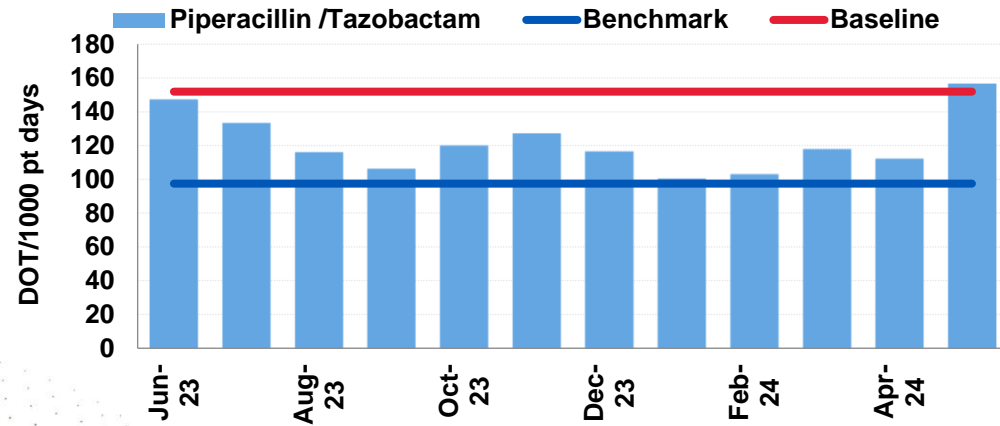


Antimicrobial Usage – LOLR Cardinal DCOA

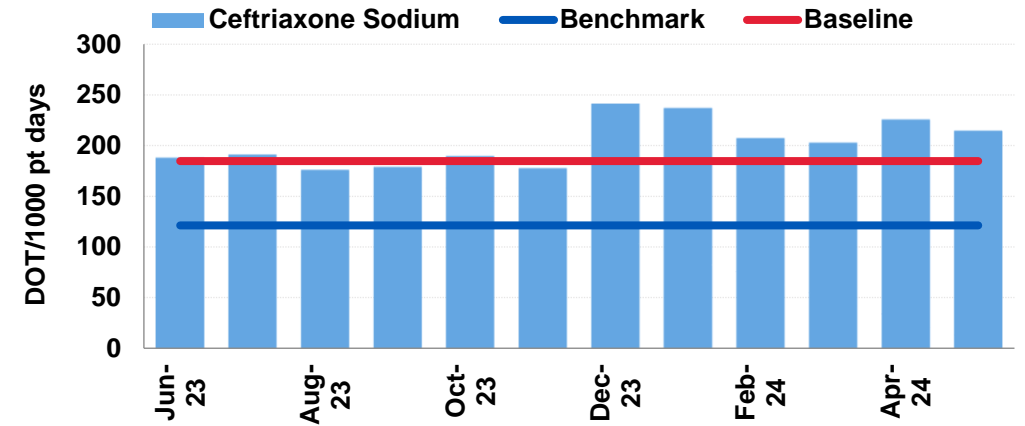


Antimicrobial Usage – LOLR Cardinal DCOA

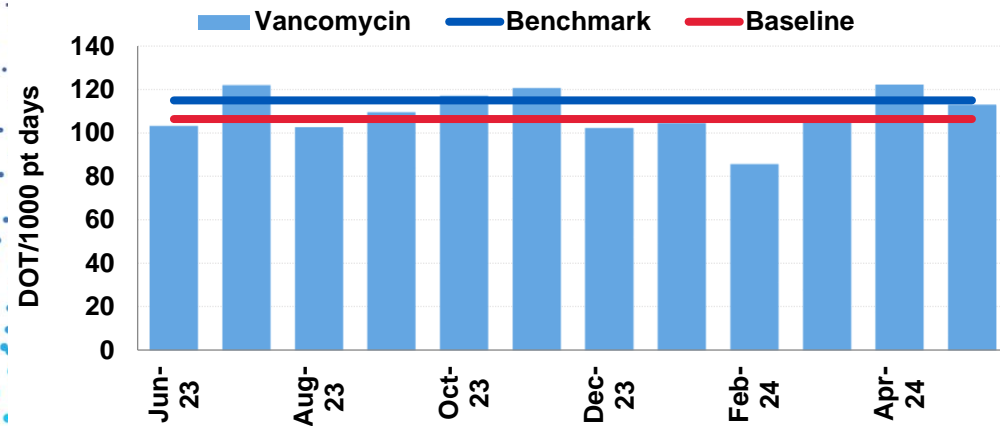
Piperacillin /Tazobactam



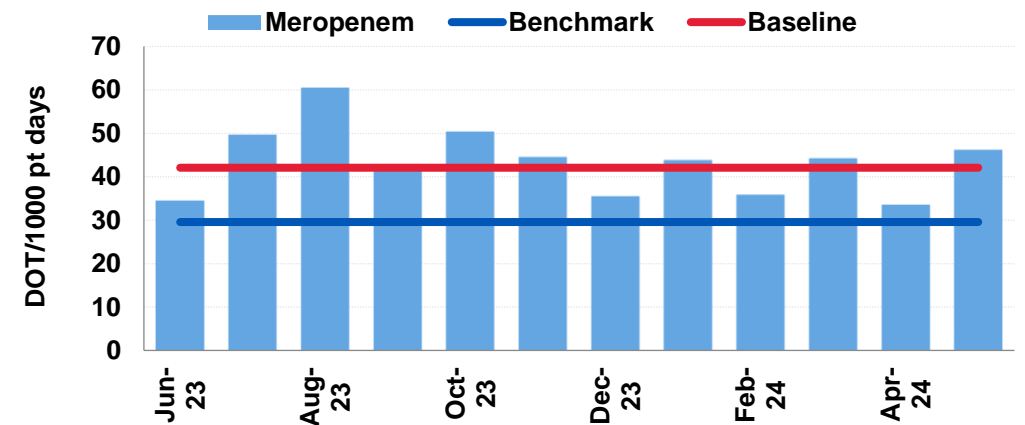
Ceftriaxone Sodium



Vancomycin

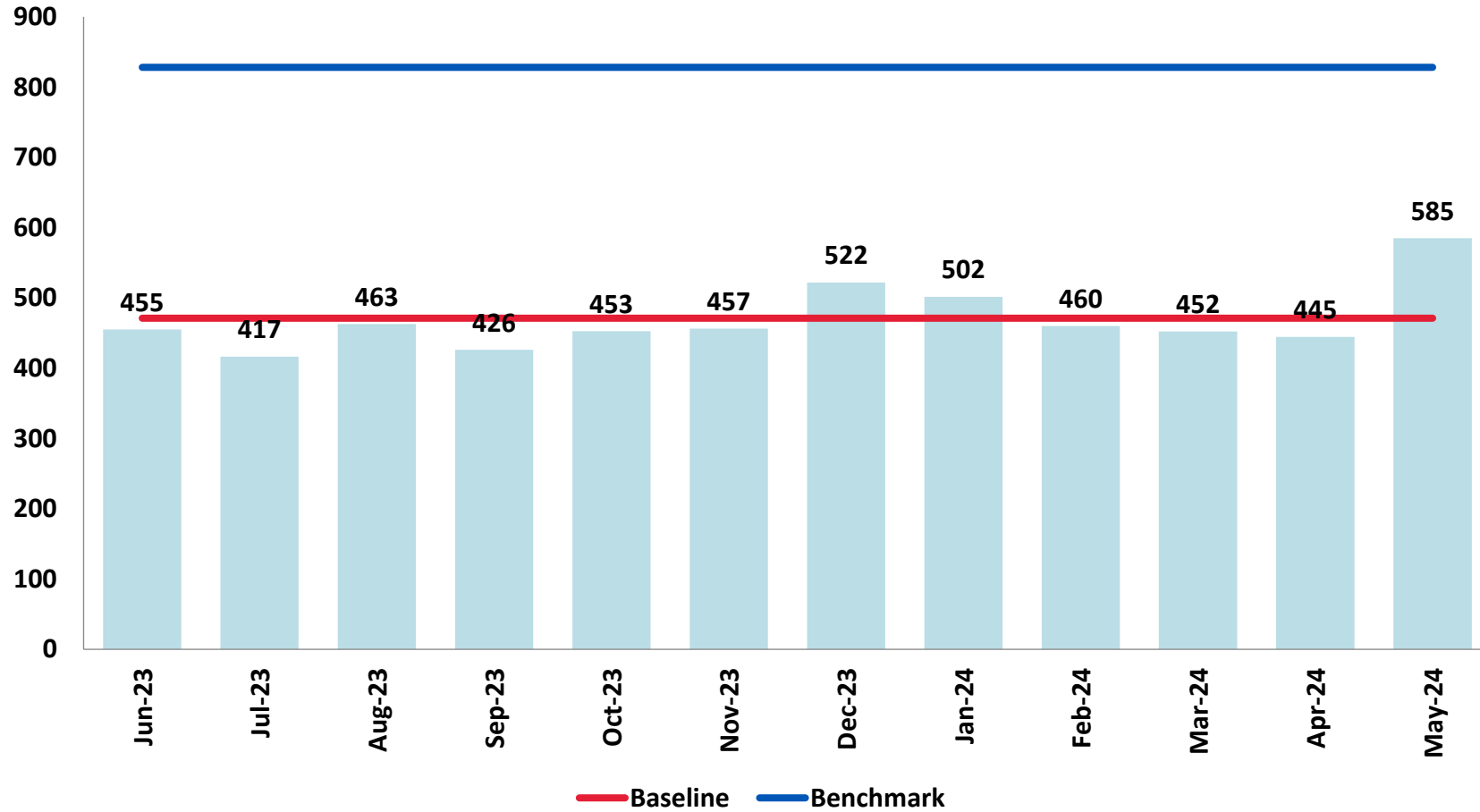


Meropenem

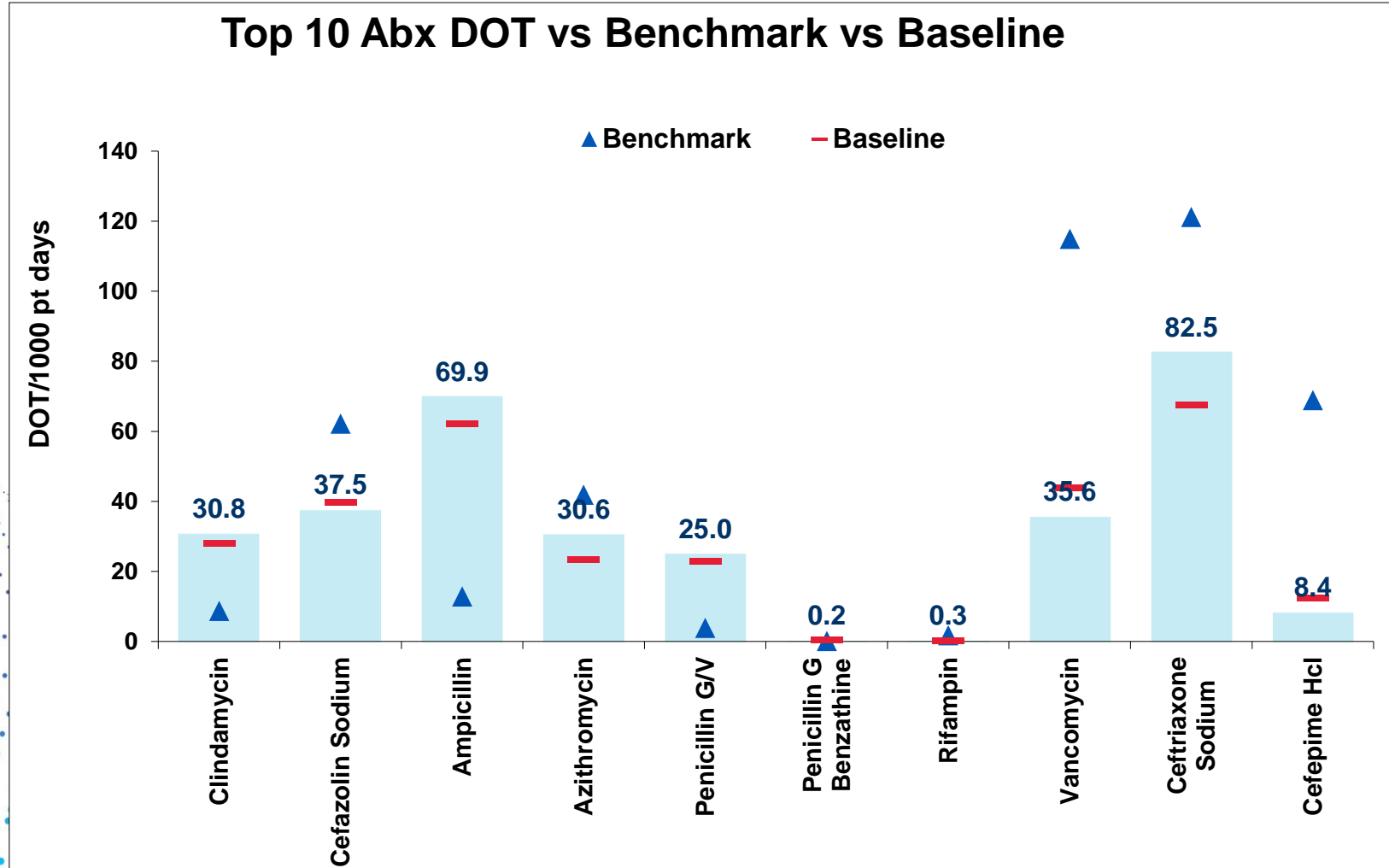


Antimicrobial Usage – LOWC Cardinal DCOA

Antibiotic Total DOT/1000 pt day trend



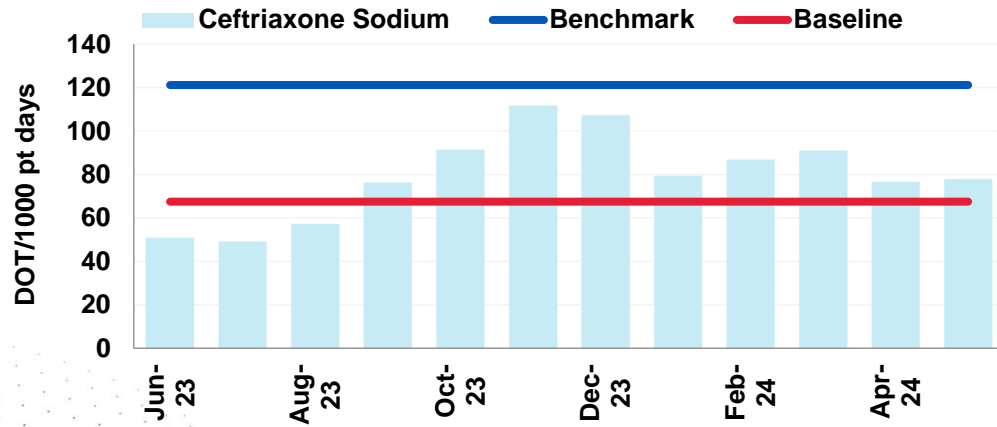
Antimicrobial Usage – LOWC Cardinal DCOA



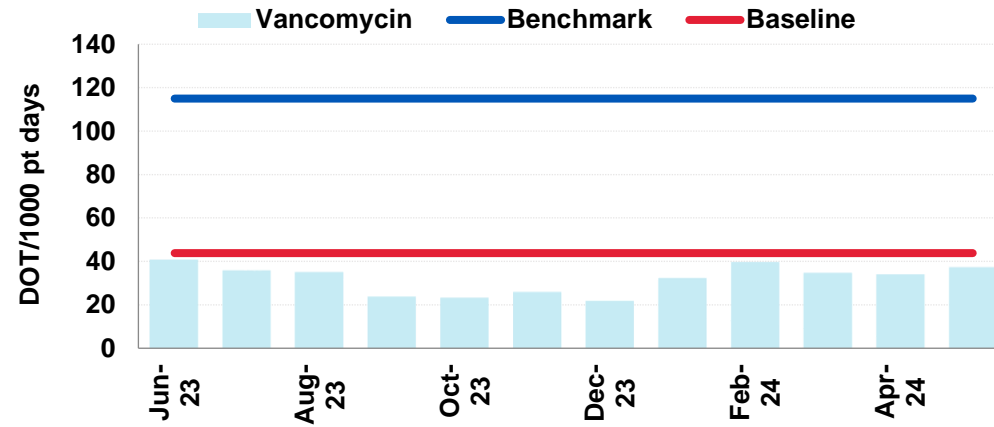
Antimicrobial Usage – LOWC Cardinal DCOA

DOT/1000 days

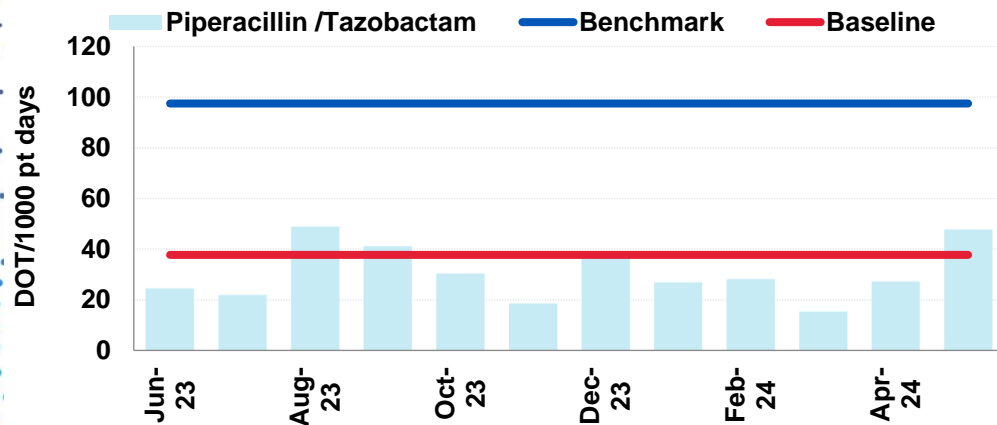
Ceftriaxone Sodium



Vancomycin



Piperacillin /Tazobactam



Misoprostol Policy and Oxytocin Induction & Augmentation Policy Review and approval

