

<b>Supplemental Digital Content 6: Pathogens</b>
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		Table 6. Pathogen summary Early-onset sepsis

Table 5. Raw pathogen summary of LOS cases

LOS Pathogens	n	%
Coagulase negative staphylococci	1101	21.31%
<i>Klebsiella pneumoniae</i>	916	17.73%
<i>Escherichia coli</i>	641	12.41%
<i>Staphylococcus aureus</i>	541	10.47%
<i>Acinetobacter baumannii</i>	174	3.37%
<i>Streptococcus agalactiae</i>	171	3.31%
<i>Serratia marcescens</i>	155	3.00%
<i>Klebsiella</i> spp.	139	2.69%
<i>Enterobacter</i> spp.	133	2.57%
Other Gram-negative spp.	97	1.88%
<i>Enterococcus</i> spp.	95	1.84%
Other Gram-positive spp.	76	1.47%
<i>Staphylococcus epidermidis</i>	75	1.45%
<i>Enterococcus faecium</i>	69	1.34%
<i>Klebsiella ESBL</i>	67	1.30%
<i>Pseudomonas</i> spp.	65	1.26%
<i>Acinetobacter</i> spp.	63	1.22%
<i>Enterococcus faecalis</i>	59	1.14%
<i>Enterobacter cloacae</i>	59	1.14%
<i>Pseudomonas aeruginosa</i>	53	1.03%
Methicillin-resistant <i>Staphylococcus aureus</i>	41	0.79%
<i>Burkholderia cepacia</i>	39	0.75%
<i>Staphylococcus haemolyticus</i>	25	0.48%
<i>Staphylococcus</i> spp.	25	0.48%
<i>Staphylococcus</i> ((coagulase +ve)	23	0.45%
<i>Klebsiella oxytoca</i>	23	0.45%
<i>Klebsiella michiganensis</i>	21	0.41%
<i>Enterobacter aerogenes</i>	18	0.35%
<i>Citrobacter</i> spp.	15	0.29%
<i>Streptococcus pyogenes</i>	12	0.23%
<i>Citrobacter freundii</i>	11	0.21%
<i>Staphylococcus hominis</i>	10	0.19%
<i>Klebsiella MDR</i>	10	0.19%
<i>Klebsiella quasipneumoniae</i>	10	0.19%
<i>Staphylococcus</i> (coagulase -ve)	9	0.17%
<i>Proteus</i> spp.	9	0.17%
<i>Salmonella enterica</i>	9	0.17%
<i>Streptococcus</i> spp.	8	0.15%
<i>Klebsiella ozaenae</i>	8	0.15%
<i>Listeria monocytogenes</i>	7	0.14%
<i>Ochrobactrum anthropi</i>	7	0.14%

<i>Streptococcus mitis</i>	5	0.10%
<i>Acinetobacter calcoaceticus baumannii</i>	5	0.10%
<i>Chryseobacterium meningosepticum</i>	5	0.10%
<i>Neisseria meningitidis</i>	5	0.10%
<i>Alcaligenes xylosoxidans</i>	4	0.08%
<i>Elizabethkingia meningoseptica</i>	4	0.08%
<i>Enterobacter/Citrobacter</i>	4	0.08%
<i>Proteus mirabilis</i>	4	0.08%
<i>Staphylococcus warneri</i>	3	0.06%
<i>Streptococcus pneumoniae</i>	3	0.06%
<i>Pantoea agglomerans</i>	3	0.06%
<i>Ralstonia mannitolilytica</i>	3	0.06%
<i>Stenotrophomonas maltophilia</i>	3	0.06%
<i>Streptococcus gallolyticus</i>	2	0.04%
<i>Acinetobacter lwoffii</i>	2	0.04%
<i>Acinetobacter MDR</i>	2	0.04%
<i>Escherichia spp.</i>	2	0.04%
<i>Morganella morganii</i>	2	0.04%
<i>Sphingomonas paucimobilis</i>	2	0.04%
<i>Bacillus cereus</i>	1	0.02%
<i>Non-hemolytic streptococcus</i>	1	0.02%
<i>Micrococcus luteus</i>	1	0.02%
<i>Staphylococcus capitis</i>	1	0.02%
<i>Streptococcus haemolyticus</i>	1	0.02%
<i>Streptococcus oralis</i>	1	0.02%
<i>Streptococcus pasteurianus</i>	1	0.02%
<i>Achromobacter denitrificans</i>	1	0.02%
<i>Burkholderia spp.</i>	1	0.02%
<i>Edwardsiella tarda</i>	1	0.02%
<i>Enterobacter hormaechei</i>	1	0.02%
<i>Klebsiella AMPC</i>	1	0.02%
<i>Klebsiella varicola</i>	1	0.02%
<i>Neisseria spp.</i>	1	0.02%
<i>Pantoea dispersa</i>	1	0.02%
	<b>5167</b>	<b>100%</b>

Table 6. Raw pathogen summary of EOS cases

<b>EOS Pathogens</b>	<b>n</b>	<b>%</b>
<i>Streptococcus agalactiae</i>	1015	20.4%
<i>Escherichia coli</i>	781	15.7%
<i>Klebsiella pneumoniae</i>	399	8.0%
<i>Coagulase negative staphylococci</i>	380	7.6%
<i>Staphylococcus aureus</i>	380	7.6%
<i>Enterococcus spp.</i>	155	3.1%
<i>Klebsiella spp.</i>	133	2.7%
<i>Serratia marcescens</i>	96	1.9%
<i>Listeria monocytogenes</i>	92	1.8%
<i>Enterobacter spp.</i>	82	1.6%
<i>Pseudomonas aeruginosa</i>	77	1.5%
<i>Burkholderia cepacia</i>	71	1.4%
<i>Acinetobacter baumannii</i>	67	1.3%
<i>Klebsiella michiganensis</i>	62	1.2%
<i>Enterobacter cloacae</i>	58	1.2%
<i>Acinetobacter spp.</i>	50	1.0%
<i>Viridans streptococci</i>	44	0.9%
<i>Streptococcus spp.</i>	35	0.7%
<i>Achromobacter xylosoxidans</i>	29	0.6%
<i>Haemophilus influenzae</i>	29	0.6%
<i>Staphylococcus epidermidis</i>	29	0.6%
<i>Streptococcus pyogenes</i>	28	0.6%
<i>Stenotrophomonas maltophilia</i>	27	0.5%
<i>Enterococcus faecalis</i>	25	0.5%
<i>Staphylococcus haemolyticus</i>	25	0.5%
<i>Streptococcus pneumoniae</i>	23	0.5%
<i>Citrobacter spp.</i>	21	0.4%
<i>Methicillin-resistant Staphylococcus aureus</i>	21	0.4%
<i>Pseudomonas spp.</i>	20	0.4%
<i>Haemophilus spp.</i>	19	0.4%
<i>Klebsiella oxytoca</i>	17	0.3%
<i>Staphylococcus hominis</i>	17	0.3%
<i>Ralstonia mannitolilytica</i>	16	0.3%
<i>Staphylococcus (-ve)</i>	15	0.3%
<i>Methicillin-susceptible Staphylococcus aureus</i>	13	0.3%
<i>Streptococcus bovis</i>	13	0.3%
<i>Streptococcus que constellatus</i>	12	0.2%
<i>Klebsiella ESBL</i>	11	0.2%
<i>Klebsiella MDR</i>	11	0.2%
<i>Staphylococcus spp.</i>	10	0.2%
<i>Morganella morganii</i>	8	0.2%
<i>Pantoea agglomerans</i>	8	0.2%
<i>Other unspecified</i>	8	0.2%
<i>Enterobacter aerogenes</i>	7	0.1%

<i>Acinetobacter MDR</i>	6	0.1%
<i>Citrobacter freundii</i>	6	0.1%
<i>Ochrobactrum anthropi</i>	5	0.1%
<i>Acinetobacter calcoaceticus baumannii</i>	4	0.1%
<i>Acinetobacter lwoffii</i>	4	0.1%
<i>Enterobacter/Citrobacter</i>	4	0.1%
<i>Klebsiella varicola</i>	4	0.1%
<i>Listeria spp.</i>	4	0.1%
<i>Streptococcus anginosus</i>	4	0.1%
<i>Fusobacterium nucleatum</i>	3	0.1%
<i>Klebsiella quasipneumoniae</i>	3	0.1%
<i>Pantoea dispersa</i>	3	0.1%
<i>Proteus mirabilis</i>	3	0.1%
<i>Proteus spp.</i>	3	0.1%
<i>Pseudomonas MDR</i>	3	0.1%
<i>Serratia rubidaea</i>	3	0.1%
<i>Sphingomonas paucimobilis</i>	3	0.1%
<i>Streptococcus milleri</i>	3	0.1%
<i>Streptococcus mitis</i>	3	0.1%
<i>Capnocytophaga sputigena</i>	2	0.0%
<i>Escherichia spp.</i>	2	0.0%
<i>Flavobacterium spp.</i>	2	0.0%
<i>Klebsiella AMPC</i>	2	0.0%
<i>Klebsiella ozaenae</i>	2	0.0%
<i>Neisseria meningitidis</i>	2	0.0%
<i>Salmonella enterica</i>	2	0.0%
<i>Salmonella paratyphi A</i>	2	0.0%
<i>Salmonella spp.</i>	2	0.0%
<i>Bacillus cereus</i>	2	0.0%
<i>Bacillus spp.</i>	2	0.0%
<i>Enterococcus faecium</i>	2	0.0%
<i>Staphylococcus saprophyticus</i>	2	0.0%
<i>Streptococcus pasteurianus</i>	2	0.0%
<i>Achromobacter spp.</i>	1	0.0%
<i>Acinetobacter towneri</i>	1	0.0%
<i>Alcaligenes xylosoxidans</i>	1	0.0%
<i>Citrobacter koseri</i>	1	0.0%
<i>Neisseria subflava</i>	1	0.0%
<i>Pseudomonas stutzeri</i>	1	0.0%
<i>Serratia spp.</i>	1	0.0%
<i>Aerococcus viridans</i>	1	0.0%
<i>Alpha Hemolytic streptococci</i>	1	0.0%
<i>Corynebacterium callunae</i>	1	0.0%
<i>Staphylococcus lugdunensis</i>	1	0.0%
<i>Streptococcus gallolyticus</i>	1	0.0%

<i>Streptococcus haemolyticus</i>	1	0.0%
Other gram-negative spp.	122	2.4%
Other gram-positive spp.	310	6.2%
<b>Total</b>	<b>4983</b>	<b>100%</b>