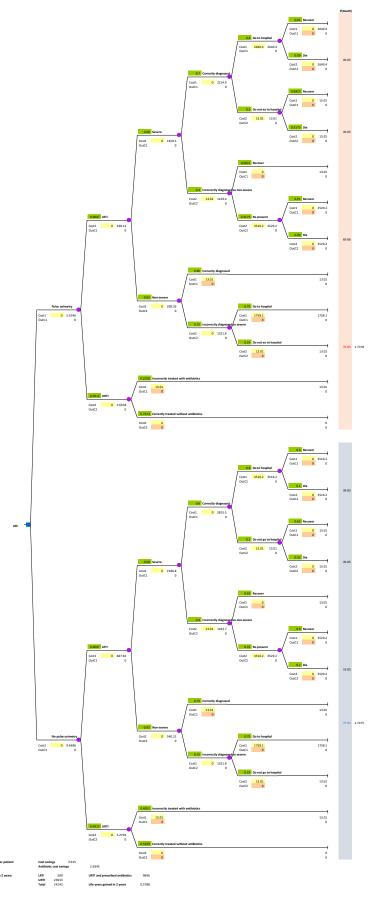
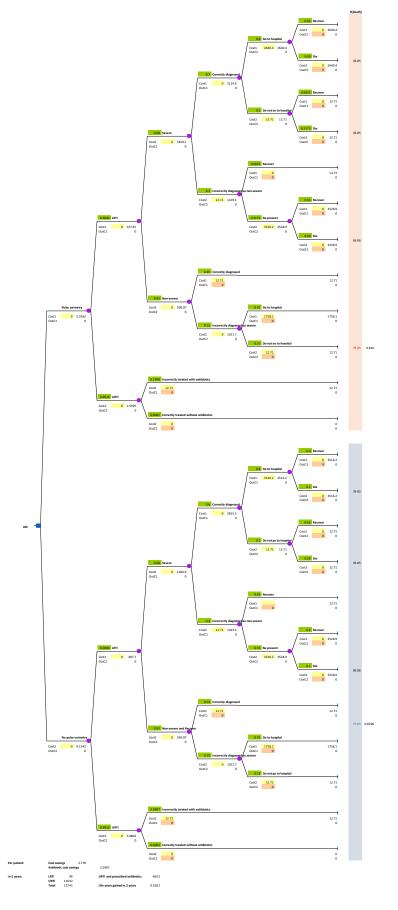
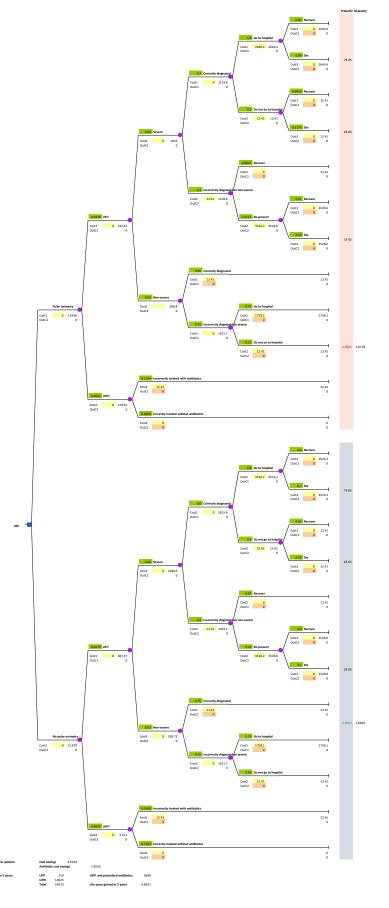
SENSITIVITY ANALYSIS 1 Parameters as per main analysis except for pulse oximetry sensitivity of 70% and specificity of 85% for diagnosing severe LRTI

	Mediar age	No			in 2 years	Difference in deaths in 2 years		gained	gained	excl. direct costs	Cost difference excl. direct costs in 1 year		year gained		Antibiotic cost savings in 1 year
Children <5	2	14075	28.174	2.084451	2.072876	0.011575	77.155993	0.893059	0.446529	-60428.92958	-30214.46479	-5971.696792	-13373.58056		-11650.539
Children 5-14	8	11742	23.502	0.820555	0.815999	0.004556	71.593286	0.326211	0.163106	-44357.11225	-22178.55613			-135976.7379	-14915.35
Adults	45	24142	48.325	1.747495	1.737791	0.009704	39.037158	0.378802	0.189401	-94515.22531	-47257.61266			-249510.6599	-31801.351
Total	13	49958	100	4.652501	4.626666	0.025835	57.427888	1.598072	0.799036	-199301.2672	-99650.63358	-75407.86558	•		-58367.24
H0 - standard of care H1 - standard of care + pulse oximetry							espan of one	oximeter i	s 2 years						
						Purchase price of one oximeter set plus neon				275					
						Maintenan	ce cost of on	ie oximetei	r set per ye	55					
						District-wic	de training co	ost over 2 y	ears	2649.504					
						Extra staff	cost per PCU	over two y	ears/	662.376					
						Total oximeter costs over 2 years				48485.536	;				
						Total oxime	eter costs ov	er 1 year		24242.768	;				



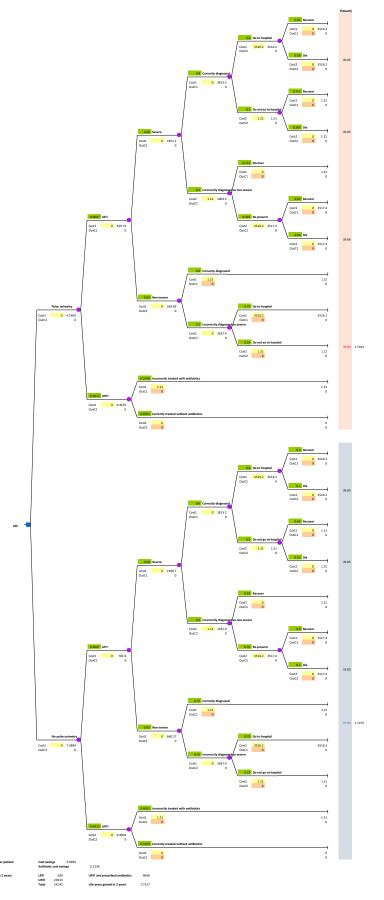


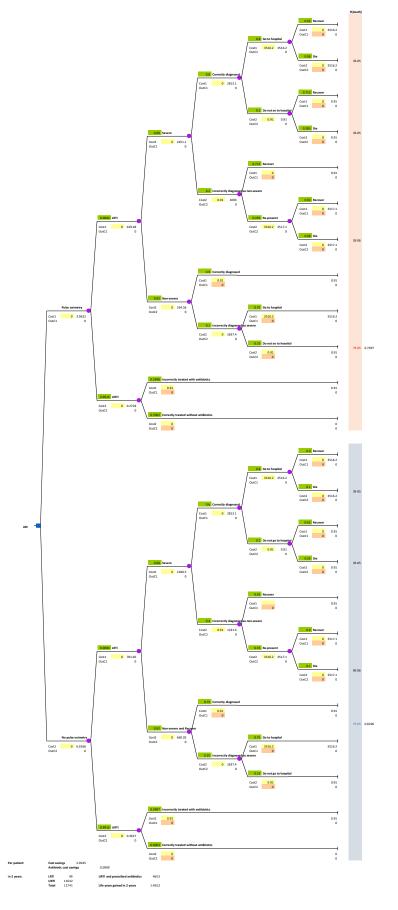


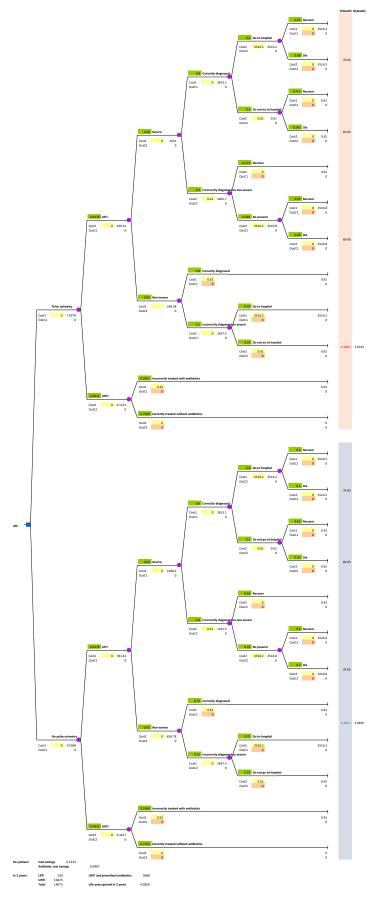
SENSITIVITY ANALYSIS 2 P

Parameters as per main analysis, but with no reduction in LOS of admitted patients, reduction in antibiotic prescriptions of 25%, and no antibiotic resistance cost

	Medi age	an	No.			H1 deaths in 2 years	in deaths		gained	gained	excl. direct costs	Cost difference excl. direct costs in 1 year		•	Cost per life year gained	Antibiotic cost savings
Children <	5	2	14075	28.174	2.084451	2.031538	•	77.155993	•	•	-	•	-			-286.33476
Children 5		_	11741			0.799726		71.593286		0.745625				3201.333322	-23340.09905	
Adults			24142	48.325	1.747495	1.703135	0.044359	39.037158	1.731668	0.865834	-74798.11997				-43194.26365	
Total		13	49958	100	4.652501	4.534399	0.118102	57.427888	7.305473	3.652736	-195902.0197	-97951.00984	-73708.24184			-2299.5947
H0 - standard of care H1 - standard of care + pulse oximetry								span of one o	oximeter is	2 years						
		Purchase price of one oximeter set plus					plus neona	275								
	Maintena						Maintenan	ce cost of one	oximeter	set per yea	ı 55					
	District-wid						le training co	st over 2 ye	ears	2649.504						
							Extra staff	cost per PCU	over two y	ears	662.376					
								eter costs ove eter costs ove	,		48485.536 24242.768					

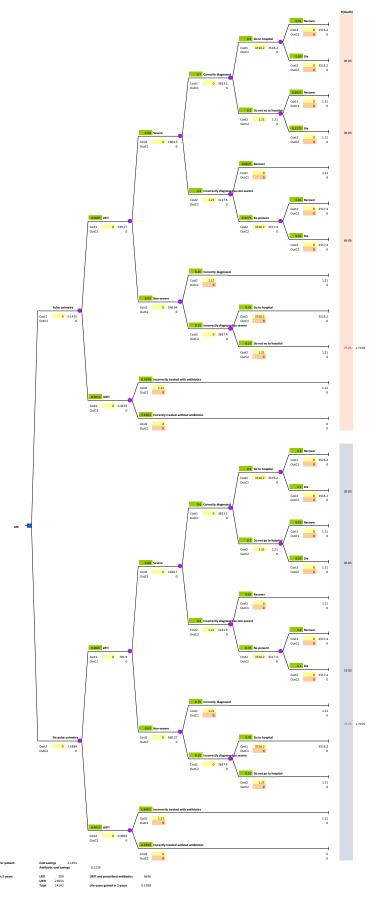


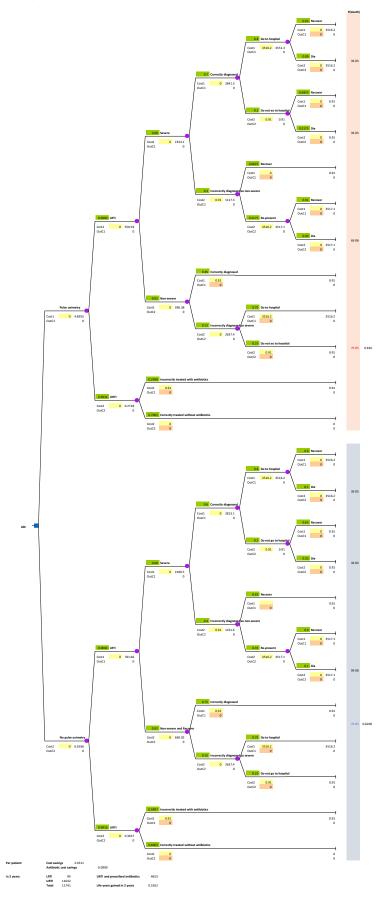


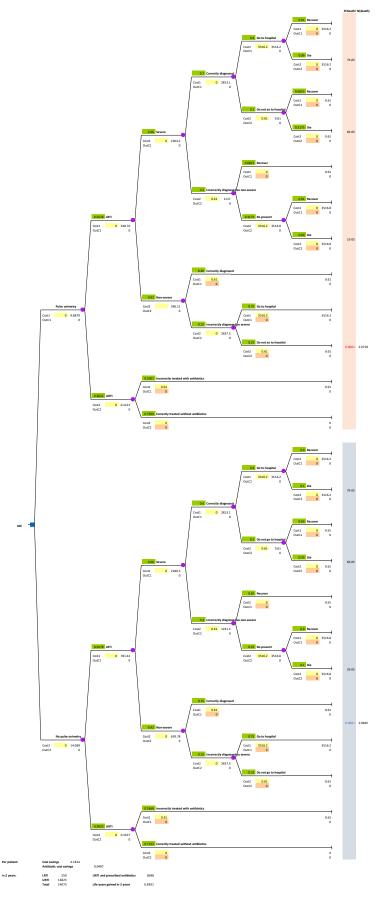


SENSITIVITY ANALYSIS 3 Parameters as per SA2, except for sensitivity and specificity of pulse oximetry for diagnosing severe LRTI as per SA1

	Median age	No.	%	H0 deaths in 2 years	in 2 years	in deaths		gained	gained	excl. direct costs	Cost difference excl. direct costs in 1 year		year gained	•	Antibiotic cost savings in 1 year
Children <5	2	14075	28.174	2.084451		•	J	•	•	•	•	-			286.334763
Children 5-14	8	11741	23.502	0.820555	0.815999	0.004556	71.593286	0.326211	0.163106					-73104.19967	
Adults	45	24142	48.325	1.747495	1.737791	0.009704	39.037158	0.378802	0.189401	-51792.90737	-25896.45368			-136728.0505	1479.57868
Total	13	49958	100	4.652501	4.626666	0.025835	57.427888	1.598072	0.799036	-134492.906	-67246.45302	-43003.68502			2299.59473
H0 - standard H1 - standard			Assume life	espan of one	oximeter is	2 years									
						Purchase p	rice of one ox	imeter set	plus neon	275	;				
						Maintenan	ce cost of on	e oximeter	set per yea	55	i				
						District-wid	le training co	st over 2 ye	ears	2649.504	ļ				
						Extra staff	cost per PCU	over two y	ears	662.376	j				
						Total oximeter costs over 2 years				48485.536	5				
						Total oxime	eter costs ove	r 1 year		24242.768	3				







SENSITIVITY ANALYSIS 4 Parameters as per SA3, but with no antibiotic cost savings

	Mediar age	No.	%	H0 deaths in 2 years	in 2 years	in deaths		gained	gained	excl. direct costs	Cost difference excl. direct costs in 1 year		year gained	Cost per life year gained excl. direct costs	Antibiotic cost savings in 1 year
Children <5	2	14075	28.174	2.084451		-	_	•	-	•	•	-			0
Children 5-14	8	11741	23.502	0.820555	0.815999	0.004556	71.593286	0.326211	0.163106	-22788.99984	-11394.49992			-69859.68427	0
Adults	45	24142	48.325	1.747495	1.737791	0.009704	39.037158	0.378802	0.189401	-48859.49467	-24429.74734			-128984.1369	0
Total	13	49958	100	4.652501	4.626666	0.025835	57.427888	1.598072	0.799036	-129938.6206	-64969.3103	-40726.5423			0
H0 - standard of care H1 - standard of care + pulse oximetry						Assume life	espan of one	oximeter is	2 years						
						Purchase p	rice of one ox	kimeter set	plus neona	275	;				
						Maintenan	ce cost of one	e oximeter	set per yea	55					
						District-wic	le training co	st over 2 ye	ears	2649.504	ļ.				
						Extra staff	cost per PCU	over two y	ears	662.376	5				
						Total oximeter costs over 2 years				48485.536	i i				
						Total oxime	eter costs ove	er 1 year		24242.768	3				

