

Supplementary Table 1 – Tabular summary of AEs

		AEI (End of study period cohort)		AEI (Weekly report data)	
		AEI within 14-day post-vaccination		AEI within 14-day post-vaccination	
System		Vaccinated (Non-GSK)	Vaccinated (GSK)	Vaccinated (Non-GSK)	Vaccinated (GSK)
No. of practices	n	7	2	7	2
Any Adverse Event	n	333	92	370	95
	%	2.93%	2.68%	3.02%	2.63%
	LCI	2.62%	2.15%	2.72%	2.13%
	UCI	3.25%	3.23%	3.33%	3.15%
Any respiratory / miscellaneous	n	108	31	118	32
	%	0.95%	0.90%	0.96%	0.88%
	LCI	0.77%	0.61%	0.79%	0.58%
	UCI	1.13%	1.22%	1.14%	1.19%
Any gastrointestinal	n	24	2	31	2
	%	0.21%	0.06%	0.25%	0.06%
	LCI	0.13%	0.00%	0.17%	0.00%
	UCI	0.30%	0.15%	0.34%	0.14%
Any fever / pyrexia	n	87	23	97	24
	%	0.77%	0.67%	0.79%	0.66%
	LCI	0.61%	0.41%	0.64%	0.41%
	UCI	0.93%	0.96%	0.96%	0.94%
Any sensitivity / anaphylaxis	n	5	0	6	1
	%	0.04%	0.00%	0.05%	0.03%
	LCI	0.01%	N/A	0.02%	0.00%
	UCI	0.09%	N/A	0.09%	0.08%
Any rash	n	24	7	24	7
	%	0.21%	0.20%	0.20%	0.19%
	LCI	0.13%	0.06%	0.12%	0.06%
	UCI	0.30%	0.38%	0.28%	0.36%
Any general symptom	n	23	8	23	8
	%	0.20%	0.23%	0.19%	0.22%
	LCI	0.12%	0.09%	0.11%	0.08%
	UCI	0.29%	0.41%	0.27%	0.39%

Any neurological	n	31	6	34	6
	%	0.27%	0.17%	0.28%	0.17%
	LCI	0.18%	0.06%	0.19%	0.06%
	UCI	0.37%	0.32%	0.38%	0.30%
Any musculoskeletal	n	54	32	63	33
	%	0.48%	0.93%	0.51%	0.91%
	LCI	0.35%	0.61%	0.39%	0.61%
	UCI	0.61%	1.25%	0.65%	1.24%
Any local symptom	n	3	6	3	6
	%	0.03%	0.17%	0.02%	0.17%
	LCI	0.00%	0.06%	0.00%	0.06%
	UCI	0.06%	0.32%	0.06%	0.30%

Table 2 – Comparison of end of vaccination season rates with RCGP RSC network

Vaccination status					
		End of study period cohort		RCGP RSC network 2014	
No. of practices		9		124	
		<i>Vaccinated</i>	<i>Non vaccinated</i>	<i>Vaccinated</i>	<i>Non vaccinated</i>
Total	n	14801	56606	227496	817982
	%	20.73%	79.27%	21.76%	78.25%
	LCI	20.43%	78.97%	21.68%	78.17%
	UCI	21.03%	79.57%	21.84%	78.33%
AEI at any time					
		End of study period cohort		RCGP RSC network 2014	
AEI category		<i>Vaccinated</i>		<i>Vaccinated</i>	
Any AEI	n	1761		32062	
	%	11.90%		14.09%	
	LCI	11.38%		13.95%	
	UCI	12.42%		14.24%	
Any Respiratory	n	652		11729	
	%	4.41%		5.16%	
	LCI	4.08%		5.07%	
	UCI	4.74%		5.25%	
Any Gastrointestinal	n	201		3011	
	%	1.36%		1.32%	
	LCI	1.18%		1.28%	
	UCI	1.55%		1.37%	

Any Fever / Pyrexia	n	438	8259
	%	2.96%	3.63%
	LCI	2.69%	3.55%
	UCI	3.24%	3.71%
Any Sensitivity / Anaphylaxis	n	16	362
	%	0.11%	0.16%
	LCI	0.06%	0.14%
	UCI	0.16%	0.18%
Any Rash	n	150	2845
	%	1.01%	1.25%
	LCI	0.86%	1.21%
	UCI	1.18%	1.30%
Any General	n	126	2051
	%	0.85%	0.90%
	LCI	0.71%	0.86%
	UCI	1.00%	0.94%
Any Neurological	n	133	2300
	%	0.90%	1.01%
	LCI	0.75%	0.97%
	UCI	1.05%	1.05%
Any Musculoskeletal	n	357	7265
	%	2.41%	3.19%
	LCI	2.17%	3.12%
	UCI	2.66%	3.27%
Any Local	n	12	3
	%	0.08%	0.00%
	LCI	0.04%	0.00%
	UCI	0.13%	0.00%

Table 3 – Summary of vaccinations from end of study cohort by risk group.

Vaccination status (Cohort)							
		EHR-DM	EPS	EPS	EPS		
		<i>Vaccinated (Non-GSK)</i>	<i>Vaccinated (Non-GSK)</i>	<i>Vaccinated (GSK)</i>	<i>Vaccinated (All)</i>		
No. of practices		<i>6</i>	<i>1</i>	<i>2</i>	<i>3</i>		
Total		8025	3342	3434	6776		
		17.63%	12.91%	13.26%	26.17%		
		17.28% 17.98%	12.50% 13.32%	12.85% 13.68%	25.64% 26.71%		
Vaccination status (Cohort)							
Risk Group		<i>Vaccinated (Non-GSK)</i>	<i>Vaccinated (Non-GSK)</i>	<i>Vaccinated (GSK)</i>	<i>Vaccinated (All)</i>		
Any risk group		6945	2740	3154	5894		
		37.74%	23.41%	26.95%	50.36%		

	37.04%	38.44%	22.64%	24.18%	26.15%	27.75%	49.46%	51.27%
	236		94		40		134	
Under 4 years old	21.51%		17.57%		7.48%		25.05%	
	19.14%	23.97%	14.39%	20.93%	5.42%	9.72%	21.50%	28.79%
	4905		1985		2562		4547	
Over 65 years old	49.84%		30.14%		38.90%		69.04%	
	48.85%	50.82%	29.03%	31.25%	37.73%	40.09%	67.92%	70.15%

Table 4 – Summary of AEs from end of study cohort.

Vaccination status (Cohort)								
Any AEI	EHR-DM		EPS		EPS		EPS	
	<i>Vaccinated (Non-GSK)</i>		<i>Vaccinated (Non-GSK)</i>		<i>Vaccinated (GSK)</i>		<i>Vaccinated (All)</i>	
No. of practices	6		1		2		3	
	302		31		92		123	
Total	3.50%		0.46%		1.36%		1.82%	
	3.10%	3.90%	0.31%	0.62%	1.09%	1.64%	1.51%	2.14%
Vaccination status (Cohort)								
Age Group	<i>Vaccinated (Non-GSK)</i>		<i>Vaccinated (Non-GSK)</i>		<i>Vaccinated (GSK)</i>		<i>Vaccinated (All)</i>	
	12		1		1		2	
<5yr	5.08%		0.75%		0.75%		1.49%	
	2.54%	8.05%	0.00%	2.24%	0.00%	2.24%	0.00%	3.73%
	18		1		1		2	
5-14yrs	2.78%		0.19%		0.19%		0.38%	
	1.54%	4.17%	0.00%	0.57%	0.00%	0.57%	0.00%	0.95%
	102		12		25		37	
15-64yrs	4.56%		0.76%		1.59%		2.36%	
	3.71%	5.46%	0.38%	1.21%	1.02%	2.23%	1.66%	3.12%
	170		17		65		82	
65+ yrs	3.47%		0.37%		1.43%		1.80%	
	2.96%	4.00%	0.20%	0.57%	1.10%	1.78%	1.43%	2.20%
Vaccination status (Cohort)								
Risk Group	<i>Vaccinated (Non-GSK)</i>		<i>Vaccinated (Non-GSK)</i>		<i>Vaccinated (GSK)</i>		<i>Vaccinated (All)</i>	
	266		29		84		113	
Any risk group	3.83%		0.49%		1.43%		1.92%	
	3.38%	4.29%	0.32%	0.68%	1.14%	1.73%	1.58%	2.27%