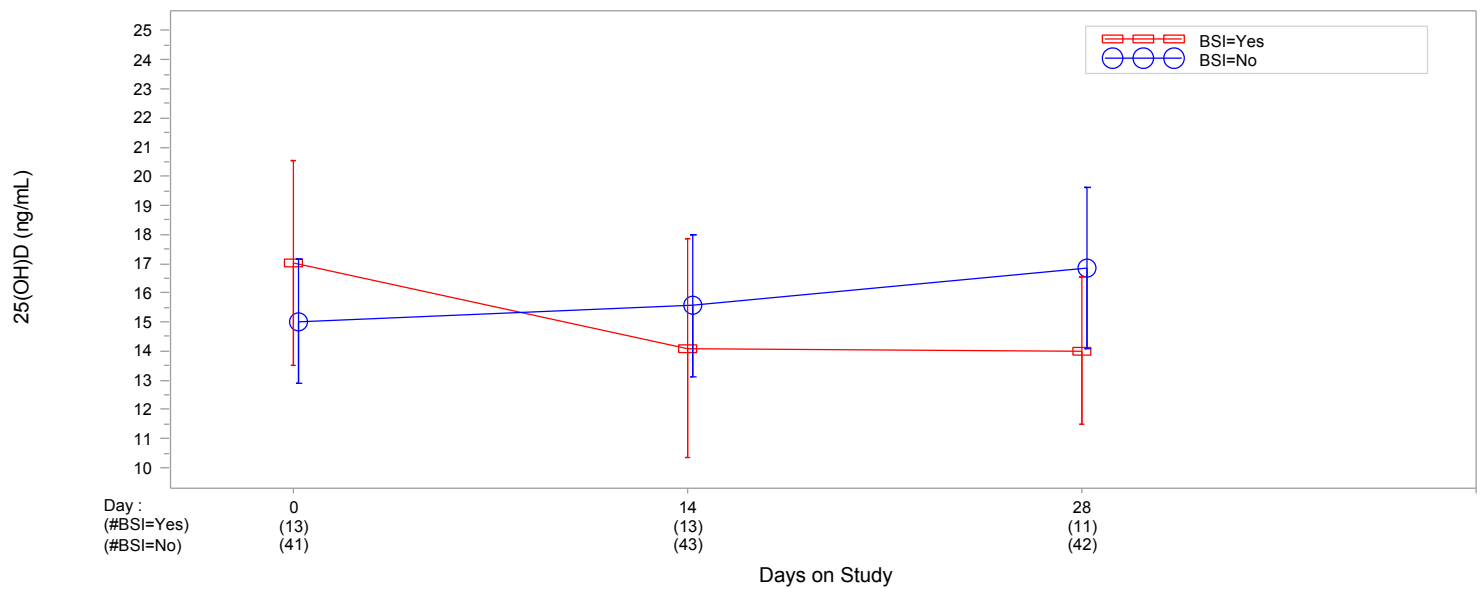
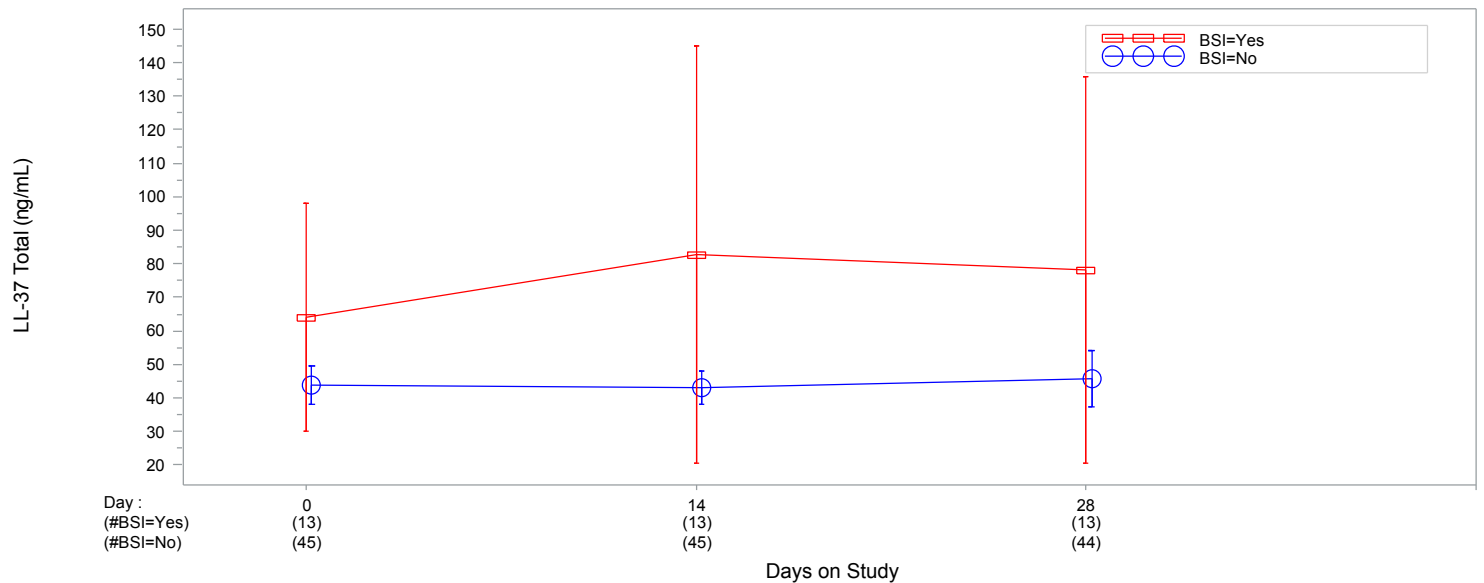


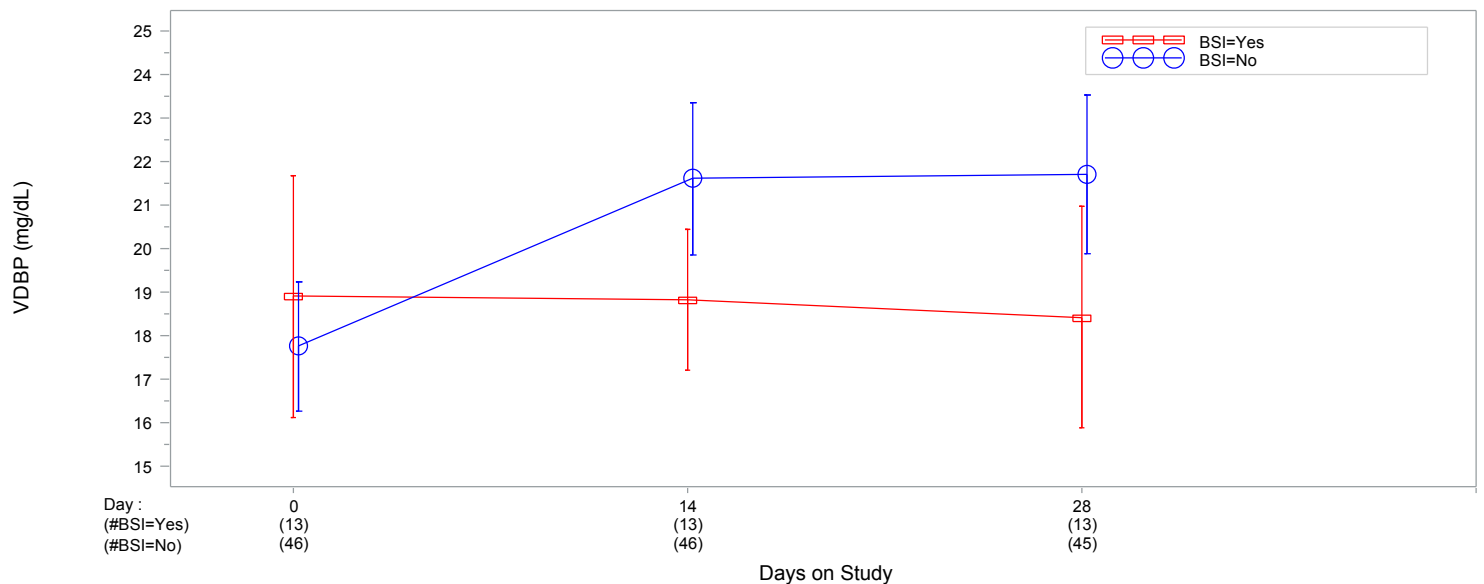
Model-Based Means and 95%CI by BSI and Days on Study
for Vitamin D by BSI
 $p(\text{BSI}) = 0.6848$, $p(\text{Days}) = 0.2158$, $p(\text{BSI} \times \text{Days}) = 0.0084$



Model-Based Means and 95%CI by BSI and Days on Study
for LL-37 Total by BSI
 $p(\text{BSI}) = 0.2422$, $p(\text{Days}) = 0.4743$, $p(\text{BSI} \times \text{Days}) = 0.3175$



Model-Based Means and 95%CI by BSI and Days on Study
for VDBP by BSI
 $p(\text{BSI}) = 0.1495$, $p(\text{Days}) = 0.0253$, $p(\text{BSI} \times \text{Days}) = 0.0043$



Model-based Means and 95% CIs for 25(OH)D (ng/mL) by BSI and Days on Study

Day	BSI=Yes Mean[95%CI], N	BSI=No Mean[95%CI], N	Difference Mean[95%CI]
0	17.0[13.5 - 20.5], 13	15.0[12.9 - 17.2], 41	-2.0[-6.1 - 2.1]
14	14.1[10.3 - 17.8], 13	15.6[13.1 - 18.0], 43	1.5[-3.0 - 5.9]
28	14.0[11.5 - 16.5], 11	16.8[14.1 - 19.6], 42	2.8[-0.9 - 6.6]

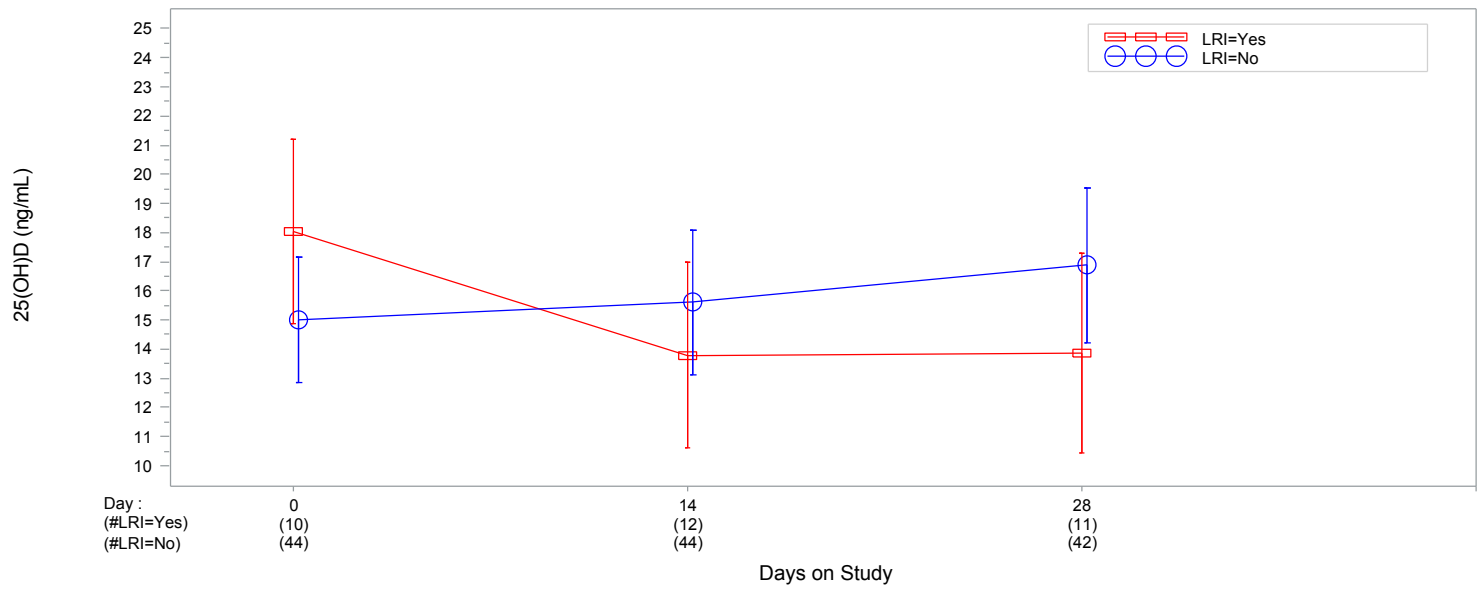
Model-based Means and 95% CIs for LL-37 (ng/mL) by BSI and Days on Study

Day	BSI=Yes Mean[95%CI], N	BSI=No Mean[95%CI], N	Difference Mean[95%CI]
0	64.0[30.0 - 98.0], 13	44.0[38.2 - 49.7], 45	-20[-54 - 14.4]
14	82.7[20.4 - 145], 13	43.0[38.1 - 47.9], 45	-40[-102 - 22.8]
28	78.1[20.5 - 136], 13	45.8[37.4 - 54.2], 44	-32[-90 - 25.9]

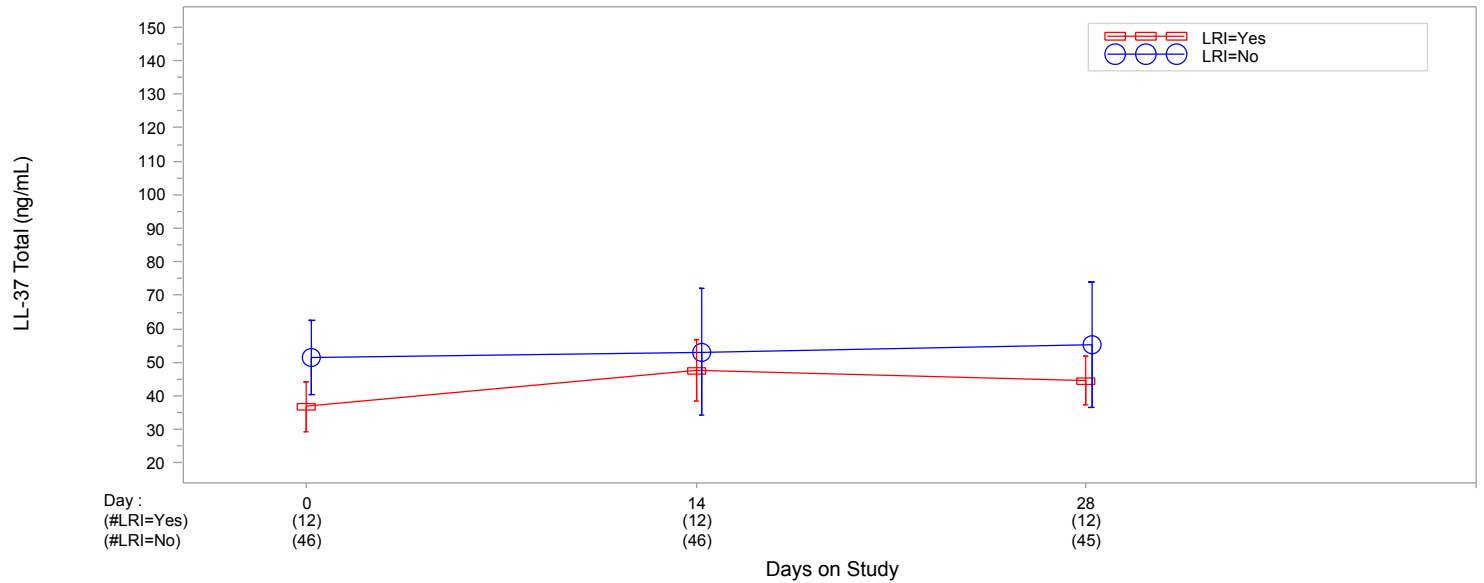
Model-based Means and 95% CIs for VDBP (mg/dL) by BSI and Days on Study

Day	BSI=Yes Mean[95%CI], N	BSI=No Mean[95%CI], N	Difference Mean[95%CI]
0	18.9[16.1 - 21.7], 13	17.8[16.3 - 19.3], 46	-1.1[-4.3 - 2.0]
14	18.8[17.2 - 20.5], 13	21.6[19.9 - 23.4], 46	2.8[0.4 - 5.2]
28	18.4[15.9 - 21.0], 13	21.7[19.9 - 23.5], 45	3.3[0.2 - 6.4]

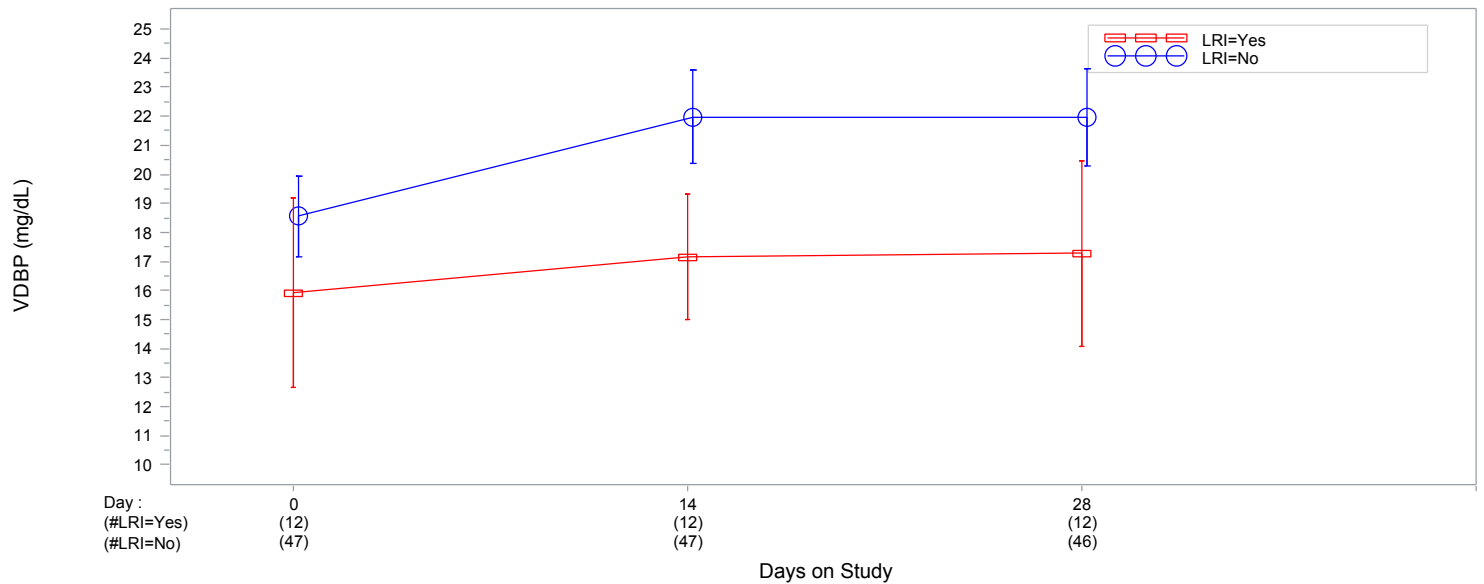
Model-Based Means and 95%CI by LRI and Days on Study
for Vitamin D by LRI
 $p(\text{LRI})=0.7354$, $p(\text{Days})=0.0405$, $p(\text{LRI}*\text{Days})=0.0003$



Model-Based Means and 95%CI by LRI and Days on Study
for LL-37 Total by LRI
 $p(\text{LRI})=0.2412$, $p(\text{Days})=0.1300$, $p(\text{LRI}*\text{Days})=0.3042$



Model-Based Means and 95%CI by LRI and Days on Study
for VDBP by LRI
 $p(\text{LRI})=0.0032$, $p(\text{Days})=0.0060$, $p(\text{LRI}*\text{Days})=0.3748$



Model-based Means and 95% CIs for 25(OH)D (ng/mL) by LRI and Days on Study

Day	LRI=Yes Mean[95%CI], N	LRI=No Mean[95%CI], N	Difference Mean[95%CI]
0	18.0[14.9 - 21.2], 10	15.0[12.9 - 17.2], 44	-3.0[-6.8 - 0.8]
14	13.8[10.6 - 17.0], 12	15.6[13.1 - 18.1], 44	1.8[-2.2 - 5.9]
28	13.9[10.4 - 17.3], 11	16.9[14.2 - 19.5], 42	3.0[-1.3 - 7.3]

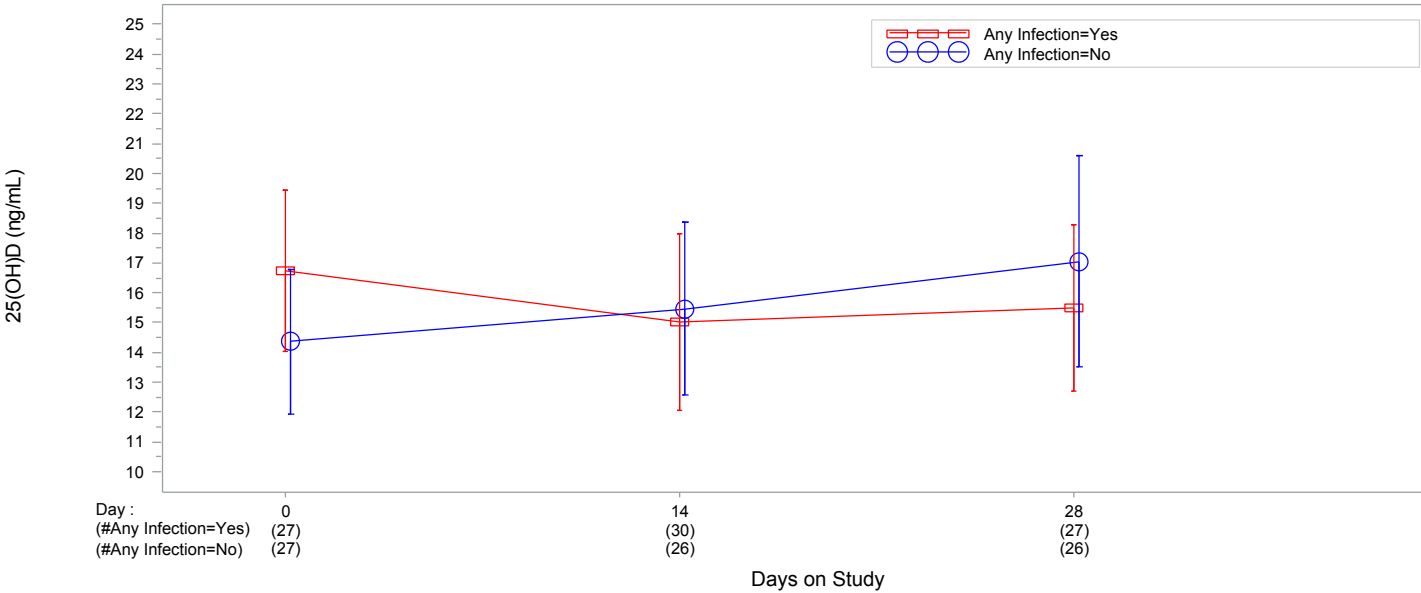
Model-based Means and 95% CIs for LL-37 (ng/mL) by LRI and Days on Study

Day	LRI=Yes Mean[95%CI], N	LRI=No Mean[95%CI], N	Difference Mean[95%CI]
0	36.9[29.3 - 44.4], 12	51.5[40.4 - 62.6], 46	14.6[1.2 - 28.1]
14	47.6[38.4 - 56.8], 12	53.0[34.1 - 71.9], 46	5.5[-16 - 26.5]
28	44.6[37.3 - 51.8], 12	55.3[36.6 - 74.0], 45	10.7[-9.4 - 30.7]

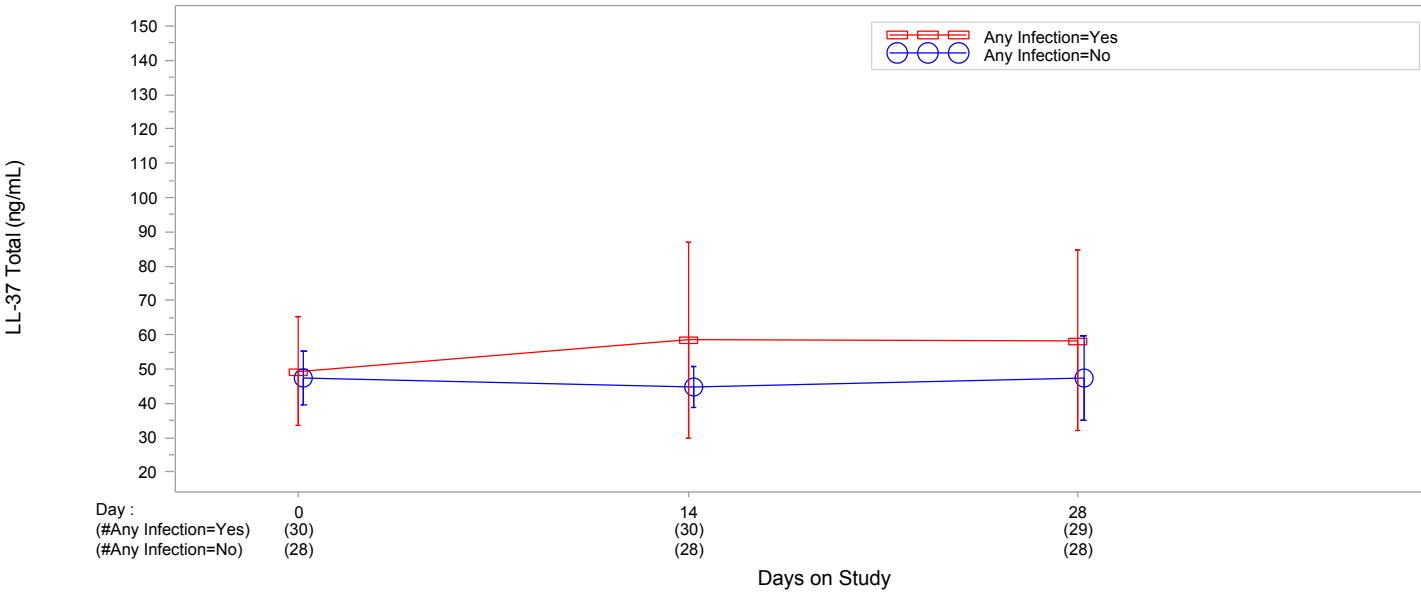
Model-based Means and 95% CIs for VDBP (mg/dL) by LRI and Days on Study

Day	LRI=Yes Mean[95%CI], N	LRI=No Mean[95%CI], N	Difference Mean[95%CI]
0	15.9[12.7 - 19.2], 12	18.6[17.2 - 19.9], 47	2.6[-0.9 - 6.2]
14	17.2[15.0 - 19.3], 12	22.0[20.4 - 23.6], 47	4.8[2.1 - 7.5]
28	17.3[14.1 - 20.5], 12	21.9[20.3 - 23.6], 46	4.7[1.1 - 8.3]

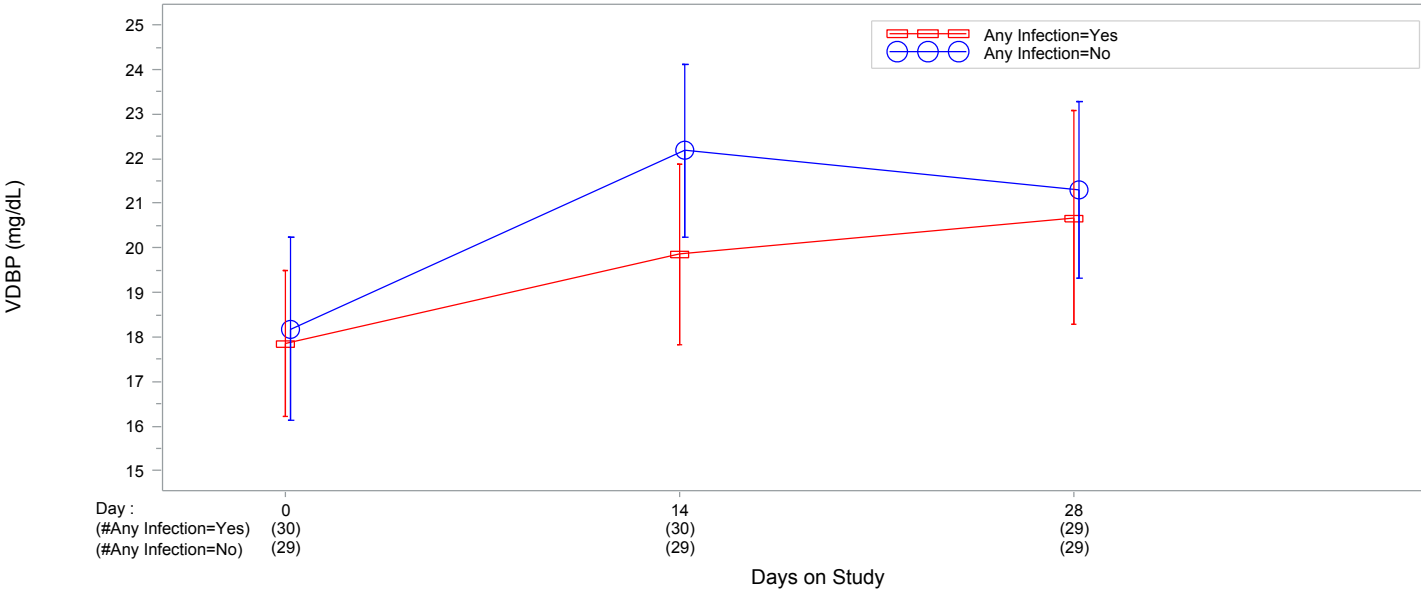
Model-Based Means and 95%CI by Any Infection and Days on Study
for Vitamin D by Any Infection
p(Any Infection)= 0.9508 , p(Days)= 0.4424 , p(Any Infection*Days)= 0.0214



Model-Based Means and 95%CI by Any Infection and Days on Study
for LL-37 Total by Any Infection
p(Any Infection)= 0.4777 , p(Days)= 0.5720 , p(Any Infection*Days)= 0.2885



Model-Based Means and 95%CI by Any Infection and Days on Study
for VDBP by Any Infection
p(Any Infection)= 0.3264 , p(Days)= 0.0007 , p(Any Infection*Days)= 0.3610



Model-based Means and 95% CIs for 25(OH)D (ng/mL) by Any Infection and Days on Study

Day	Any Infection=Yes Mean[95%CI], N	Any Infection=No Mean[95%CI], N	Difference Mean[95%CI]
0	16.7[14.0 - 19.4], 27	14.4[11.9 - 16.8], 27	-2.4[-6.0 - 1.3]
14	15.0[12.1 - 18.0], 30	15.5[12.6 - 18.4], 26	0.5[-3.7 - 4.6]
28	15.5[12.7 - 18.3], 27	17.0[13.5 - 20.6], 26	1.6[-2.9 - 6.1]

Model-based Means and 95% CIs for LL-37 (ng/mL) by Any Infection and Days on Study

Day	Any Infection=Yes Mean[95%CI], N	Any Infection=No Mean[95%CI], N	Difference Mean[95%CI]
0	49.4[33.4 - 65.4], 30	47.4[39.7 - 55.2], 28	-2.0[-20 - 15.8]
14	58.5[30.0 - 87.0], 30	44.8[39.0 - 50.7], 28	-14[-43 - 15.4]
28	58.3[32.0 - 84.7], 29	47.5[35.1 - 59.8], 28	-11[-40 - 18.2]

Model-based Means and 95% CIs for VDBP (mg/dL) by Any Infection and Days on Study

Day	Any Infection=Yes Mean[95%CI], N	Any Infection=No Mean[95%CI], N	Difference Mean[95%CI]
0	17.9[16.2 - 19.5], 30	18.2[16.1 - 20.2], 29	0.3[-2.3 - 3.0]
14	19.9[17.8 - 21.9], 30	22.2[20.2 - 24.1], 29	2.3[-0.5 - 5.1]
28	20.7[18.3 - 23.1], 29	21.3[19.3 - 23.3], 29	0.6[-2.5 - 3.7]

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
LL	1	110	0.12	0.7345
day	2	110	2.42	0.0932
bsi	1	110	1.76	0.1876
day*bsi	2	110	3.44	0.0357

Least Squares Means						
Effect	day	bsi	Estimate	Standard Error	Lower	Upper
bsi		No	20.4925	0.6488	19.2067	21.7783
bsi		Yes	18.6399	1.2229	16.2164	21.0633
day	0		18.3325	0.8799	16.5887	20.0762
day	14		20.2526	0.8878	18.4932	22.0120
day	28		20.1135	0.8883	18.3530	21.8740
day*bsi	0	No	17.7956	0.8363	16.1384	19.4529
day*bsi	0	Yes	18.8693	1.5550	15.7876	21.9510
day*bsi	14	No	21.7857	0.8372	20.1265	23.4449
day*bsi	14	Yes	18.7195	1.5839	15.5806	21.8585
day*bsi	28	No	21.8962	0.8419	20.2278	23.5646
day*bsi	28	Yes	18.3307	1.5745	15.2104	21.4511

Type 3 Tests of Fixed Effects					
Effect	Num DF	Den DF	F Value	Pr > F	
LL	1	110	0.28	0.5995	
day	2	110	3.82	0.0248	
lri	1	110	10.55	0.0015	
day*lri	2	110	0.78	0.4622	

Least Squares Means						
Effect	day	lri	Estimate	Standard Error	Lower	Upper
lri		No	20.9499	0.5885	19.7836	22.1161
lri		Yes	16.7436	1.1521	14.4604	19.0268
day	0		17.2105	0.8772	15.4721	18.9489
day	14		19.6407	0.8746	17.9075	21.3739
day	28		19.6890	0.8763	17.9523	21.4256
day*lri	0	No	18.5775	0.7956	17.0009	20.1542
day*lri	0	Yes	15.8435	1.5638	12.7444	18.9427
day*lri	14	No	22.1367	0.7958	20.5597	23.7137
day*lri	14	Yes	17.1446	1.5580	14.0569	20.2323
day*lri	28	No	22.1353	0.8041	20.5418	23.7288
day*lri	28	Yes	17.2427	1.5590	14.1531	20.3322

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
LL	1	110	0.00	0.9665
day	2	110	9.34	0.0002
any	1	110	1.22	0.2718
day*any	2	110	1.01	0.3688

Least Squares Means						
Effect	day	any	Estimate	Standard Error	Lower	Upper
any		No	20.7253	0.8185	19.1033	22.3474
any		Yes	19.4649	0.7926	17.8942	21.0357
day	0		18.0308	0.7417	16.5608	19.5007
day	14		21.1454	0.7412	19.6766	22.6142
day	28		21.1092	0.7462	19.6303	22.5881
day*any	0	No	18.1990	1.0668	16.0849	20.3132
day*any	0	Yes	17.8625	1.0301	15.8211	19.9039
day*any	14	No	22.4354	1.0681	20.3187	24.5522
day*any	14	Yes	19.8555	1.0326	17.8091	21.9018
day*any	28	No	21.5416	1.0668	19.4274	23.6557
day*any	28	Yes	20.6768	1.0467	18.6026	22.7510