Table 1. IPD AUC of PASI, Itch NRS, and DLQI responses at Weeks 12, 24, and 52 using sensitivity analysis.

	Week 12		We	ek 24	Week 52	
	Ixekizumab (N=136)	Ustekinumab (N=166)	Ixekizumab (N=136)	Ustekinumab (N=166)	Ixekizumab (N=136)	Ustekinumab (N=166)
PASI 75	695.9**	393.8	1788.3**	1308.3	4320.2**	3513.9
PASI 90	436.4**	186.1	1396.3**	779.1	3582.1**	2418.3
PASI 100	168.5**	47.6	701.0**	295.4	2136.8**	1215.5
PASI improvement	170.3**	124.5	393.5**	322.5	915.7**	790.0
Itch NRS=0	303.3**	170.8	802.9**	532.6	2099.7^{*}	1604.5
Itch NRS improvement	45.8**	34.9	105.6**	88.8	250.5*	221.2
DLQI 0/1	538.3**	302.0	1302.8**	891.8	3232.0**	2421.3
DLQI improvement	87.2**	69.5	195.8**	174.8	450.8**	430.9

Abbreviations: ANCOVA, analysis of covariance; AUC, area under the curve; DLQI, Dermatology Life Quality Index; IPD, individual patient-level data; NRS, numeric rating scale; PASI, Psoriasis Area and Severity Index.

^{*}Significant at p<0.01 level compared with the same measure for ustekinumab with treatment and baseline score in the ANCOVA model.

^{**}Significant at p<0.001 level compared with the same measure for ustekinumab with treatment and baseline score in the ANCOVA model.

Suppl Table 1. SUM AUC of PASI, Itch NRS, and DLQI Response at Weeks 12, 24, and 52 Using Trapezoidal Rule.

	Week 12		We	ek 24	Week 52	
	Ixekizumab (N=136)	Ustekinumab (N=166)	Ixekizumab (N=136)	Ustekinumab (N=166)	Ixekizumab (N=136)	Ustekinumab (N=166)
PASI 75 ^a	698.5	394.6	1783.8	1303.0	4307.4	3510.2
PASI 90 ^a	440.4	186.7	1393.4	774.7	3571.3	2418.1
PASI 100 ^a	169.9	48.2	696.3	292.8	2128.7	1215.7
PASI improvement ^b	171.2	124.7	396.1	320.4	924.2	790.1
Itch NRS=0 ^a	303.7	171.1	803.7	530.1	2096.3	1608.4
Itch NRS improvement ^b	45.9	34.7	104.8	87.2	249.0	220.2
DLQI 0/1 ^a	539.0	302.4	1302.2	888.0	3227.2	2422.9
DLQI improvement ^b	87.5	69.4	196.2	174.2	452.5	430.8

Abbreviations: AUC, area under the curve; DLQI, Dermatology Life Quality Index; NRS, numeric rating scale; PASI, Psoriasis Area and Severity Index; SUM AUC, area under the curve based on the summary data calculated based on the trapezoidal rule.

Trapezoidal rule is based on the article by Armstrong et al. [12] and is based on mean improvement at each visit and the time interval between visits. AUC is the sum of all visits during the period.

^aMax AUC = 1200, 2400, and 5200 at Weeks 12, 24, and 52, respectively.

^bPASI/Itch NRS/DLQI improvement = negative change in PASI/Itch NRS/DLQI from baseline.

Suppl Table 2. Drug Price Calculations.

Intervention	Unit (mg)	WAC per Unit/Dose (\$)	Discount Rate	Net Price Per Unit (\$)	Cost of First Year (\$)	Annual Cost of Year 2+ (\$)
Ixekizumab	80	5,161.60	44%	2,888.74	51,374.18	37,685.68
Ustekinumab	45/90	10,292.15/ 20,584.30	27%	7,532.84/ 15,063.47	58,620.92	42,584.22

Abbreviation: WAC, Wholesale Acquisition Cost.

Suppl Table 3. Annual AUC-Adjusted Cost and Per Responder Cost for Ixekizumab and Ustekinumab.

		Per Responder Cost			Per Normalized AUC Cost		
		PASI 75	PASI 90	PASI 100	PASI 75	PASI 90	PASI 100
Intervention							
Ixekizumab	Rate	88.2%	76.5%	52.2%	82.8%	68.7%	40.9%
Ustekinumab	Rate	75.9%	59.0%	35.5%	67.5%	46.5%	23.4%
Ixekizumab	Annual Cost, 1st Year (\$)	58,247	67,156	98,418	62,046	74,780	125,609
Ustekinumab	Annual Cost, 1st Year (\$)	77,234	99,357	165,129	86,846	126,066	250,517
Ixekizumab	Annual Cost, after 1st Year (\$)	42,728	49,262	72,195	45,514	54,855	92,141
Ustekinumab	Annual Cost, after 1st Year (\$)	56,106	72,177	119,956	63,088	91,579	181,984

Abbreviations: AUC, area under the curve; PASI, Psoriasis Area and Severity Index. Max AUC = 1200, 2400, and 5200 at Weeks 12, 24, and 52, respectively.

SUPPLEMENTARY TABLES