TABLE E-1 Patient Demographic and Pulmonary Function Data

	Diagnosis	Surg	Age Surg	Age F/U	F/U	% Thor Fusion	FVC	FEV1		MIP	PIV	T1-T12 Ht	Height NL	Revision	Status
1	Congen	AP	3.9	12	8.1	58.3	27	23		24	1	14.1	<5	No	Bipap hs
2	Congen	AP	3.6	14.1	10.5	41.7	28	28		n/a	2	17.2	<5	Yes	
3	Congen	AP	2.3	10.7	8.4	75	36	35		76	1	10.2	<5	No	O2 prn
4	Congen	AP	1.4	16.9	15.5	67	42	43		n/a	1	18	5yo	No	
5	Congen	Ant	0.3	17.1	16.8	50	47	36		100	5	17.8	5yo	No	
6	Congen	AP	1.3	12.3	11	58.3	45	41		60	2	17.6	5yo	Yes	
7	Congen	AP	5.7	19.7	14	58.3	49	47		40	1	19.7	<10	No	
8	Congen	AP	1.5	13.5	12	41.7	54	53		100	2	20.5	<10	No	
9	NF	AP	3.2	12.8	9.6	83	54	53		60	2	17.8	5yo	No	
10	Congen	AP	3.4	18.7	15.3	58.3	61	55		90	6	19.6	<10	No	
11	Congen	AP	2.9	16.8	13.9	50	66	60		80	6	15.8	<5	No	
12	NF	AP	5.2	13.3	8.1	67	68	66		n/a	4	16.7	<5	Yes	
13	Kyphosis	AP	1.6	18	16.4	50	80	72		100	4	22.2	10	Yes	
14	Congen	AP	2.3	22.8	20.5	41.7	81	77		100	7	21.8	10	Yes	
15	Congen	AP	0.9	7.3	6.4	41.7	86	89		100	8	17	<5	No	
16	Congen	Post	3.3	13.6	10.3	33	87	78		76	9	23.3	<18	Yes	
17	Congen	AP	7.4	15.3	7.9	33	99	91		100	9	21.7	10	Yes	
18	Infant	AP	1.9	11.3	9.4	91.7	33	31		50	2	16.9	<5	Yes	Bipap hs
19	Syndromic	AP	5.8	11.7	5.87	75	36	32		40	4	15.6	<5	No	
20	Infant	AP	7.8	15.2	7.4	66.7	91	89		80	5	25.2	<18	No	
21	Congen	AP	4.25	11.6	7.33	67	47	45		70	5	14.1	<5	No	
22	NF	AP	4.9	17.8	12.9	91.7	38	33		40	2	15.6	<5	Yes	
23	Congen	AP	2.33	9.6	7.25	58.3	31	31		60	5	13	<5	No	
24	Congen	AP	0.75	13.25	12.5	66.7	64	58		100	1	15.7	<5	No	
25	Congen	AP	1.5	9.4	7.9	50	65	68		107	3	16.4	<5	No	
26	Congen	AP	1.5	22.3	20.83	33.3	58	63		100	9	20.4	<10	Yes	
27	Congen	AP	3.9	12.4	8.5	67	62	56		80	1	18	5	No	
28	Juvenile	AP	8.4	19.1	10.7	67	83	78		100	4	24	<18	Yes	

Surg = index procedure. AP = anterior and posterior fusion. Age surg = age in years at index procedure. Age F/U = age in years at the time of follow-up. % Thor Fusion = % of thoracic spine fused at index procedure. FVC = forced vital capacity. FEV1 = forced expiratory volume/1 second. MIP = maximum inspiratory pressure. PIV = proximal vertebra fused in index fusion. T1-T12 Ht = thoracic height at the time of follow-up. Height NL = age in years appropriate to the thoracic height at the time of follow-up, congen = congenital scoliosis, NF = neurofibromatosis, bipap = bilevel positive airway pressure, n/a = not available, hs = nightly, and O2 prn = oxygen as needed.