

Additional file S2 – Dropout analysis

S2 Table 1. First visit characteristics for children <12 years in JIA and control group for dropout analysis

Variable	JIA					Controls				
	Followed up		Lost to Follow-up			Followed up		Lost to Follow-up		
	%	(n/N)	%	(n/N)	<i>p-value</i>	%	(n/N)	%	(n/N)	<i>p-value</i>
Median age, years (IQR)	7.6	(6.7-8.9)	10.7	(9.9-11.5)	<0.001^a	7.8	(6.8-9.1) *	10.6	(9.8-11.3)	<0.001^a
Female gender	70.2	(33/47)	65.3	(32/49)	0.607 ^b	75.9	(41/54)	61.4	(27/44)	0.120 ^b
Education level of Mother, university/college	63.8	(30/47)	75.5	(37/47)	0.213 ^b	61.1	(33/54)	72.7	(32/44)	0.226 ^b
Education level of Father, university/college	36.2	(17/47)	49.0	(24/49)	0.205 ^b	53.7	(29/54)	56.8	(25/44)	0.758 ^b
Share household with two caregivers	85.1	(40/47)	83.7	(41/49)	0.847 ^b	92.6	(50/54)	95.5	(42/44)	0.688 ^b
Toothbrushing, twice a day or more	68.1	(32/47)	75.5	(37/49)	0.419 ^b	75.9	(41/54)	81.8	(36/44)	0.480 ^b
Tooth flossing, several times a week/more	10.6	(5/47)	22.5	(11/49)	0.171 ^b	11.3	(6/52)	13.6	(6/44)	0.730 ^b
Gingival bleeding during toothbrushing, sometimes or more	43.5	(20/46)	47.9	(23/48)	0.666 ^b	33.3	(18/54)	36.4	(16/44)	0.754 ^b
Pain or discomfort during toothbrushing	6.4	(3/47)	6.3	(3/48)	1.000 ^b	1.9	(1/54)	2.3	(1/44)	1.000 ^b
Ulcerations, several times yearly or more	31.1	(14/45)	18.8	(9/48)	0.167 ^b	13.0	(7/54)	20.5	(9/44)	0.318 ^b
Orofacial pain ever	27.7	(13/47)	42.9	(21/49)	0.120 ^b	11.1	(6/54)	6.8	(3/44)	0.509 ^b
Orofacial pain the last 30 days	14.9	(7/47)	18.4	(9/49)	0.648 ^b	1.9	(1/54)	2.3	(1/44)	1.000 ^b
Caries, <i>d</i> _{1-5f} / <i>D</i> _{1-5F} -level >0	26.1	(12/46)	35.4	(17/48)	0.328 ^b	27.8	(15/54)	34.1	(15/44)	0.500 ^b
ECOHIS >0	80.9	(38/47)	79.6	(39/49)	0.877 ^b	64.8	(35/54)	72.7	(32/44)	0.402 ^b
Poor dental health ^c	11.1	(5/45)	17.0	(8/47)	0.552 ^b	1.9	(1/54)	4.6	(2/44)	0.586 ^b
Not satisfied with tooth appearance ^c	20.0	(9/45)	31.9	(15/47)	0.193 ^b	7.4	(4/54)	11.4	(5/44)	0.727 ^b
Impaired physical health (CHQ PhS <40)	19.6	(9/46)	31.3	(15/48)	0.194 ^b	0	(0/52)	2.5	(1/40)	0.435 ^b

^aMann-Whitney U -test. ^bChi squared- /Fisher's exact-test. ^cincluding neither/nor. JIA =juvenile idiopathic arthritis. IQR =interquartile range. n/N =number observed/total number assessed for each variable, excluding missing values. *d*_{1-5f}/*D*_{1-5F}=decayed and filled deciduous/ permanent teeth, enamel caries included. ECOHIS =early childhood oral health impaction scale. CHQ =child health questionnaire. PhS =physical summary score. P-values <0.05 are marked in bold.

S2 Table 2. First visit characteristics for adolescents ≥12 years in JIA and control group for dropout analysis

Variable	JIA					Controls				
	Followed up		Lost to Follow-up		<i>P</i> - value	Followed up		Lost to Follow-up		<i>P</i> value
	%	(n/N)	%	(n/N)		%	(n/N)	%	(n/N)	
Median age, years (IQR)	14.4	(13.3-15.3)	15.5	(14.9-15.8)	0.015^a	14.7	(13.3-15.5)	14.9	(13.8-15.8)	0.170 ^a
Female gender	53.2	(59/111)	50.0	(7/14)	0.824 ^b	54.9	(56/102)	36.4	(8/22)	0.115 ^b
Education level of mother, university/college	60.8	(65/107)	38.5	(5/13)	0.124 ^b	73.1	(68/93)	90.0	(18/20)	0.108 ^b
Education level of father, university/college	39.6	(42/106)	15.4	(2/13)	0.128 ^b	63.2	(60/95)	57.9	(11/19)	0.611 ^b
Share household with two caregivers	77.5	(79/102)	84.6	(11/13)	0.731 ^b	76.5	(78/102)	85.0	(17/20)	0.560 ^b
Toothbrushing, twice a day or more	79.1	(83/105)	84.6	(11/13)	1.000 ^b	75.5	(77/102)	85.0	(17/20)	0.561 ^b
Tooth flossing, several times a week or more	22.1	(23/104)	15.4	(2/13)	0.732 ^b	22.6	(23/102)	25.0	(5/20)	0.777 ^b
Gingival bleeding during toothbrushing, sometimes or more	61.5	(64/104)	46.2	(6/13)	0.286 ^b	58.8	(60/102)	40.0	(8/20)	0.121 ^b
Pain or discomfort during toothbrushing	10.7	(11/103)	0	(0/13)	0.216 ^b	13.7	(14/102)	10.5	(2/19)	1.000 ^b
Ulcerations, several times yearly or more	25.0	(25/100)	23.1	(3/13)	1.000 ^b	36.3	(37/102)	45.0	(9/20)	0.462 ^b
Orofacial pain ever	42.7	(47/110)	61.5	(8/13)	0.244 ^b	14.7	(15/102)	27.3	(6/22)	0.154 ^b
Orofacial pain the last 30 days	28.2	(31/110)	46.2	(6/13)	0.181 ^b	2.9	(3/102)	13.6	(3/22)	0.068 ^b
Caries - D ₁₋₅ F-level >0	52.3	(56/107)	85.7	(12/14)	0.018^b	57.8	(59/102)	40.9	(9/22)	0.148 ^b
Child OIDP >0	27.0	(30/111)	21.4	(2/14)	0.466 ^b	20.6	(21/102)	27.3	(6/22)	0.491 ^b
Poor dental health ^c	21.8	(24/110)	21.4	(3/14)	1.000 ^b	14.7	(15/102)	9.1	(2/22)	0.735 ^b
Not satisfied with tooth appearance ^c	28.2	(31/110)	42.9	(6/14)	0.258 ^b	26.5	(27/102)	36.4	(8/22)	0.350 ^b
Impaired physical health (CHQ PhS <40)	22.6	(24/106)	28.6	(4/14)	0.737 ^b	0	(0/92)	0	(0/22)	-

^aMann Whitney U-test. ^bChi squared- /Fisher's exact-test. ^cincluding neither/nor. JIA =juvenile idiopathic arthritis. IQR =interquartile range. n/N =number observed/total number assessed for each variable, excluding missing values. D₁₋₅F =decayed and filled permanent teeth, enamel caries included. Child OIDP =child oral impact on daily performances. CHQ =child health questionnaire. PhS =physical summary score. P-values <0.05 are marked in bold.