

IGF-1 reference intervals

		IGF1 nmol/L				
Tanner	Age range	2.50%	25%	50%	75%	97.50%
Males						
1	6.1 - 12.9	11	17	21	25	33
2	8.1 - 14.8	14	28	36	43	57
3	10.9 - 16	32	45	53	59	67
4	12.4 - 17.1	29	48	58	65	76
5	13.5 - 20	30	40	47	54	68
Females						
1	5.8 - 12.1	11	20	25	31	42
2	9.3 - 14.1	15	25	32	42	59
3	9.3 - 15.1	34	44	50	56	69
4	11.8 - 16.6	29	45	50	57	77
5	12.5 - 19.9	25	36	339	52	67

Females	Old RI		Bidlingmaier		Old - new	
Age	nmol/L					
(Years)	2.5%	97.5%	2.5%	97.5%	2.5%	97.5%
0	2	19	2	16	0	2
1	2	21	3	17	0	4
2	3	23	3	19	0	4
3	3	26	3	22	0	4
4	4	29	4	25	0	4
5	4	32	5	28	0	4
6	5	36	6	31	0	4
7	6	40	6	35	0	4
8	7	44	7	40	-1	4
9	8	49	9	46	-1	3
10	9	53	10	52	-2	1
11	10	58	12	59	-2	-2
12	11	61	14	65	-3	-4
13	12	64	15	70	-4	-6
14	12	66	16	72	-4	-7
15	13	66	17	73	-4	-6
16	13	66	17	71	-4	-5
17	13	65	16	68	-3	-3
18	13	63	16	64	-2	-1
19	13	60	15	59	-2	1
20	13	58	14	54	-1	3
21	13	55	12	45	1	10
22	12	52	12	45	0	7
23	12	49	12	45	0	4
24	12	47	12	45	-1	2
25	11	44	12	45	-1	-1
26	11	42	10	35	1	6
27	11	40	10	35	0	4
28	10	38	10	35	0	2
29	10	36	10	35	0	1
30	10	35	10	35	-1	0
31	10	34	10	32	0	2
32	9	33	10	32	0	1
33	9	33	10	32	0	1
34	9	32	10	32	0	0

35	9	31	10	32	-1	0
36	9	31	9	30	0	1
37	9	31	9	30	0	1
38	9	30	9	30	0	0
39	9	29	9	30	0	0
40	9	29	9	30	-1	-1
41	8	28	8	27	0	1
42	8	28	8	27	0	1
43	8	27	8	27	0	0
44	8	27	8	27	0	0
45	8	26	8	27	0	0
46	8	26	7	25	0	1
47	7	26	7	25	0	0
48	7	25	7	25	0	0
49	7	25	7	25	0	0
50	7	25	7	25	0	-1
51	7	24	7	25	0	0
52	7	24	7	25	0	0
53	7	24	7	25	0	-1
54	7	24	7	25	0	-1
55	6	23	7	25	-1	-1
56	6	23	6	23	0	0
57	6	23	6	23	0	0
58	6	23	6	23	0	0
59	6	22	6	23	0	0
60	6	22	6	23	0	0
61	6	22	6	22	0	0
62	5	22	6	22	0	0
63	5	22	6	22	0	0
64	5	22	6	22	0	-1
65	5	21	6	22	0	-1
66	5	21	5	21	0	0
67	5	21	5	21	0	0
68	5	21	5	21	0	0
69	5	22	5	21	0	0
70	5	22	5	21	0	0
71	5	22	5	22	0	0
72	5	22	5	22	0	0
73	5	22	5	22	0	0
74	5	22	5	22	0	0
75	5	22	5	22	0	0
76	5	22	5	22	0	0
77	4	22	5	22	0	0
78	4	22	5	22	0	0
79	4	22	5	22	0	0
80	4	22	5	22	0	0
81	5	22	5	23	0	0
82	5	23	5	23	0	0
83	5	23	5	23	0	0
84	5	23	5	23	0	0
85	5	23	5	23	0	0
86	4	23	4	23	0	0
87	4	23	4	23	0	0
88	4	23	4	23	0	-1
89	4	22	4	23	0	-1
>89	4	22	4	23	0	-2

Males	OLD RI		Bidlingmaier		Old -new	
Age	2.5%	97.5%	2.5%	97.5%	2.5%	97.5%
(Years)	nmol/L					
0	2	18	27	21	-2	-2
1	2	23	30	22	-2	1
2	3	28	34	24	-1	4
3	4	32	39	27	-1	6
4	4	37	44	29	-1	7
5	5	41	50	32	-1	9
6	6	46	56	35	-1	11
7	7	50	63	38	-1	12
8	8	54	72	42	-2	12
9	9	58	84	47	-2	11
10	10	61	97	53	-3	8
11	11	64	112	59	-4	5
12	12	66	126	65	-5	1
13	13	67	139	70	-6	-2
14	13	68	148	72	-6	-5
15	14	67	152	72	-6	-5
16	14	66	153	71	-6	-5
17	14	64	151	68	-5	-4
18	14	62	146	65	-5	-3
19	14	59	140	61	-4	-1
20	14	57	133	56	-3	0
21	14	54	115	46	-1	7
22	14	51	115	46	-1	5
23	13	48	115	46	-2	2
24	13	46	115	46	-2	-1
25	13	43	115	46	-2	-3
26	12	41	98	37	-1	4
27	12	39	98	37	-1	2
28	12	37	98	37	-1	0
29	11	35	98	37	-2	-1
30	11	34	98	37	-2	-3
31	11	33	88	32	-1	1
32	10	32	88	32	-1	0
33	10	31	88	32	-1	-1
34	10	30	88	32	-1	-2
35	10	30	83	32	-1	-2
36	10	29	83	30	-1	-1
37	10	29	83	30	-1	-1
38	10	29	83	30	-1	-2
39	10	28	83	30	-1	-2
40	9	28	83	30	-1	-3
41	9	28	75	28	-1	-1
42	9	27	75	28	-1	-1
43	9	27	75	28	-1	-1
44	9	27	75	28	-1	-2
45	9	26	75	28	-1	-2
46	8	26	67	27	0	-1
47	8	26	67	27	-1	-1
48	8	26	67	27	-1	-1
49	8	26	67	27	-1	-1
50	8	26	67	27	-1	-1
51	8	26	61	26	0	0
52	7	26	61	26	0	0
53	7	26	61	26	-1	0

54	7	26	61	26	-1	0
55	7	26	61	26	-1	-1
56	7	25	54	25	0	0
57	7	25	54	25	0	0
58	7	25	54	25	-1	0
59	6	25	54	25	-1	0
60	6	25	54	25	-1	-1
61	6	25	49	24	0	0
62	6	25	49	24	0	0
63	6	25	49	24	0	0
64	6	25	49	24	0	1
65	6	25	49	24	0	1
66	6	25	47	25	0	0
67	6	26	47	25	0	0
68	6	26	47	25	0	0
69	6	26	47	25	0	0
70	6	26	47	25	0	0
71	6	25	41	23	0	2
72	6	25	41	23	0	2
73	6	25	41	23	0	2
74	5	25	41	23	0	2
75	5	25	41	23	0	1
76	5	25	37	23	0	2
77	5	24	37	23	0	2
78	5	24	37	23	0	2
79	5	24	37	23	0	2
80	5	24	37	23	0	2
81	5	24	34	22	1	2
82	5	24	34	22	0	2
83	5	24	34	22	0	2
84	5	24	34	22	0	2
85	5	24	34	22	0	2
86	5	24	32	22	0	2
87	5	23	32	22	0	2
88	5	23	32	22	0	1
89	5	23	32	22	0	1
>89	5	23	32	22	0	1