

## Summary Results for Insulin-Like Growth Factor 1 (IGF-1) for Participants Stratified by Age & Gender

### Reader's Guide to Understanding This Information:

Because of the large number of age groups for which a normal range is defined, results for IGF-1 are presented in table format only.

For both males and females, there was a trend for decreasing IGF-1 levels as age increased, with the lowest levels of IGF-1 production between the ages of 40-60. There was a trend to more normal levels of IGF-1 as age increased past 65 years of age for both men and women.

Age Group	Gender	Normal Range	Mean	Median	Standard Deviation	1st Percentile	1st Quartile	3rd Quartile	99th Percentile	% Low	% Normal	% High	Total % Abnormal
2	Female	51-303	88.42	83.50	36.08	36.00	62.50	101.50	177.00	12.50%	87.50%	0.00%	12.50%
2	Male	51-303	79.57	74.00	33.18	12.50	58.00	97.00	172.00	16.13%	83.87%	0.00%	16.13%
3	Female	49-289	105.73	104.00	40.03	26.00	75.00	131.50	227.00	9.78%	90.22%	0.00%	9.78%
3	Male	49-289	90.85	83.00	38.32	33.00	64.00	108.00	209.00	8.86%	91.14%	0.00%	8.86%
4	Female	49-283	117.96	110.00	46.96	46.00	85.50	137.50	243.00	1.47%	97.79%	0.74%	2.21%
4	Male	49-283	90.07	86.00	34.47	38.00	62.00	110.00	173.00	6.31%	93.69%	0.00%	6.31%
5	Female	50-286	136.71	126.50	47.15	56.00	99.50	168.00	255.00	0.60%	99.40%	0.00%	0.60%
5	Male	50-286	104.40	97.00	41.38	39.00	75.00	127.00	213.00	5.88%	93.46%	0.65%	6.54%
6	Female	52-297	154.62	151.50	54.85	59.00	118.00	183.00	320.00	0.57%	97.73%	1.70%	2.27%
6	Male	52-297	123.68	119.00	50.28	50.00	88.00	147.00	274.00	2.49%	97.01%	0.50%	2.99%
7	Female	57-316	173.74	167.50	59.74	82.00	126.00	212.00	386.00	0.00%	98.41%	1.59%	1.59%
7	Male	57-316	140.15	134.00	47.38	55.00	108.00	172.00	277.00	1.50%	98.12%	0.38%	1.88%
8	Female	64-345	186.85	179.50	63.80	82.00	140.00	222.00	378.00	0.00%	97.87%	2.13%	2.13%
8	Male	64-345	150.35	142.50	52.66	58.00	116.00	179.00	324.00	1.72%	97.93%	0.34%	2.07%
9	Female	74-388	216.31	206.00	88.41	78.00	155.50	252.00	520.00	0.31%	96.25%	3.44%	3.75%
9	Male	74-388	164.54	158.00	56.31	59.00	125.00	196.00	330.00	3.08%	96.62%	0.31%	3.38%
10	Female	88-452	266.29	242.00	120.32	94.00	188.00	312.00	652.00	0.58%	90.67%	8.75%	9.33%
10	Male	88-452	180.98	172.00	63.40	65.00	137.00	212.50	397.00	2.55%	97.19%	0.26%	2.81%
11	Female	111-551	341.58	297.50	149.54	103.00	224.00	450.50	731.00	1.18%	89.41%	9.41%	10.59%
11	Male	111-551	207.84	193.00	80.57	82.00	159.00	245.00	463.00	5.90%	93.59%	0.51%	6.41%
12	Female	143-693	422.86	427.00	142.37	150.00	322.00	521.00	795.00	0.75%	96.48%	2.76%	3.52%
12	Male	143-693	270.86	235.50	131.76	89.00	174.50	332.00	632.00	12.62%	86.67%	0.71%	13.33%
13	Female	183-850	430.43	422.00	112.10	154.00	360.50	501.00	718.00	1.09%	98.91%	0.00%	1.09%
13	Male	183-850	330.55	316.00	131.75	101.00	226.00	415.00	702.00	14.62%	85.38%	0.00%	14.62%
14	Female	220-972	420.03	411.00	99.19	224.00	349.00	486.00	667.00	0.69%	99.31%	0.00%	0.69%
14	Male	220-972	382.89	381.00	121.66	109.00	301.00	461.00	693.00	8.06%	91.94%	0.00%	8.06%
15	Female	237-996	379.88	376.00	97.18	163.00	319.00	441.00	632.00	7.44%	92.56%	0.00%	7.44%
15	Male	237-996	377.08	371.00	99.81	162.00	309.00	441.00	667.00	5.97%	94.03%	0.00%	5.97%

Age Group	Gender	Normal Range	Mean	Median	Standard Deviation	1st Percentile	1st Quartile	3rd Quartile	99th Percentile	% Low	% Normal	% High	Total % Abnormal
16	Female	226-903	339.13	336.00	100.73	140.00	270.00	401.00	620.00	13.40%	86.60%	0.00%	13.40%
16	Male	226-903	352.27	346.00	90.57	192.00	290.00	403.00	594.00	7.57%	92.43%	0.00%	7.57%
17	Female	193-731	317.92	308.00	97.16	138.00	254.00	377.00	583.00	8.46%	91.54%	0.00%	8.46%
17	Male	193-731	322.76	311.50	86.05	154.00	264.00	368.50	558.00	3.94%	95.87%	0.20%	4.13%
18	Female	163-584	285.23	274.00	94.58	127.00	215.00	341.00	534.00	6.97%	92.63%	0.40%	7.37%
18	Male	163-584	297.63	289.00	77.80	145.00	244.00	346.00	505.00	3.72%	96.09%	0.20%	3.91%
19	Female	141-483	267.03	263.00	80.14	112.00	211.00	313.00	492.00	3.30%	95.34%	1.36%	4.66%
19	Male	141-483	269.32	261.00	72.16	134.00	218.00	314.00	469.00	1.98%	97.43%	0.59%	2.57%
20	Female	127-424	252.13	241.00	86.91	95.00	190.00	307.00	475.00	3.90%	92.21%	3.90%	7.79%
20	Male	127-424	253.02	247.00	68.51	129.00	203.00	296.00	443.00	0.84%	97.49%	1.67%	2.51%
21-25	Female	116-358	218.12	208.00	76.39	90.00	164.00	262.00	450.00	5.53%	89.93%	4.54%	10.07%
21-25	Male	116-358	207.87	203.00	57.59	96.00	166.00	243.00	368.00	3.28%	95.50%	1.22%	4.50%
26-30	Female	117-329	190.59	181.00	70.38	75.00	143.00	225.00	421.00	10.86%	85.59%	3.56%	14.41%
26-30	Male	117-329	177.15	173.00	49.53	84.00	143.00	206.00	317.00	9.52%	89.81%	0.67%	10.19%
31-35	Female	115-307	170.49	160.00	64.36	69.00	128.00	200.00	393.00	16.58%	80.69%	2.73%	19.31%
31-35	Male	115-307	157.55	153.00	47.06	66.00	125.00	185.00	291.00	16.96%	82.46%	0.58%	17.54%
36-40	Female	109-284	151.53	145.00	52.05	61.00	115.00	180.00	315.00	20.01%	78.27%	1.72%	21.73%
36-40	Male	109-284	148.28	144.00	44.36	65.00	117.50	175.00	275.00	18.46%	80.80%	0.74%	19.20%
41-45	Female	101-267	139.31	134.00	46.59	53.00	106.00	167.00	271.00	20.03%	78.87%	1.10%	21.13%
41-45	Male	101-267	139.27	134.00	44.17	59.00	109.00	164.00	266.00	17.75%	81.30%	9.50%	18.70%
46-50	Female	94-252	125.50	119.00	43.44	48.00	95.00	150.00	256.00	23.56%	75.29%	1.15%	24.71%
46-50	Male	94-252	132.91	128.00	44.84	48.00	103.00	157.00	261.00	17.08%	81.56%	1.36%	18.44%
51-55	Female	87-238	116.89	110.00	45.77	45.00	86.00	140.00	252.00	25.44%	73.32%	1.24%	26.68%
51-55	Male	87-238	129.65	125.00	42.98	47.00	101.00	155.00	240.00	13.16%	85.67%	1.17%	14.33%
56-60	Female	81-225	112.68	107.00	43.93	42.00	82.00	135.00	240.00	23.95%	74.57%	1.49%	25.43%
56-60	Male	81-225	125.46	120.00	42.12	48.00	96.00	149.00	251.00	11.46%	86.28%	2.25%	13.72%
61-65	Female	75-212	106.79	101.00	41.95	37.00	77.00	129.00	231.00	21.85%	76.38%	1.77%	23.62%
61-65	Male	75-212	123.26	118.00	43.30	42.00	93.00	146.00	246.00	9.83%	86.88%	3.29%	13.12%
66-70	Female	69-200	104.95	99.00	41.17	34.00	76.00	128.00	239.00	17.63%	79.76%	2.61%	20.24%
66-70	Male	69-200	122.04	116.00	45.01	45.00	92.00	147.00	232.00	8.06%	86.88%	5.06%	13.12%
71-75	Female	64-188	103.76	96.00	42.19	36.00	75.00	126.00	236.00	14.15%	81.75%	4.10%	18.25%
71-75	Male	64-188	118.49	114.00	41.63	44.00	88.00	141.00	249.00	5.47%	89.07%	5.47%	10.93%
76-80	Female	59-177	105.69	99.00	43.76	39.00	75.00	129.00	251.00	10.78%	83.20%	6.02%	16.80%
76-80	Male	59-177	117.00	109.00	42.47	43.00	88.00	141.00	248.00	4.41%	87.46%	8.14%	12.54%
81-85	Female	55-166	105.52	96.00	42.46	40.00	76.00	129.00	239.00	6.59%	84.07%	9.34%	15.93%
81-85	Male	55-166	108.48	102.00	41.49	39.00	81.50	130.00	240.00	4.37%	88.10%	7.54%	11.90%