

SJH CENTRE FOR LABORATORY MEDICINE & MOLECULAR PATHOLOGY					
Edition No.:	02	Biochemistry Department	Doc No: WI-BIO-0236		
Authorised By: Fiona Campbell		Date: 06.03.24	Date of issue: 06.03.24		

Age related reference ranges 1GF1 and GH

IGF-1 AGE RELATED REFERENCE RANGES					
AGE-YRS	FEMALE		AGE-YRS	IDS-iSYS	
	MEDIAN	RANGE (ng/ml)		MEDIAN	RANGE (ng/ml)
0	58.6	17.9-125.6	18	270.0	120.5-485.8
1	62.3	19.5-132.3	19	252.6	114.4-450.8
2	69.2	22.2-145.4	20	234.8	107.8-416.0
3	78.9	25.9-164.2	21-25	196.2	92.9-342.0
4	91.2	30.7-187.8	26-30	158.7	78.4-270.0
5	105.2	36.2-214.4	31-35	144.7	73.1-243.0
6	119.1	42.0-240.0	36-40	135.7	69.0-227.0
7	135.0	48.6-269.6	41-45	121.7	61.5-204.4
8	154.4	56.9-305.3	46-50	114.5	56.8-194.5
9	178.5	67.2-349.4	51-55	109.9	53.0-189.6
10	206.6	79.9-400.3	56-60	98.0	45.6-172.4
11	235.9	92.6-452.6	61-65	94.1	42.2-169.0
12	262.7	105.3-499.1	66-70	88.7	38.3-162.5
13	283.5	115.9-533.4	71-75	88.2	36.6-164.7
14	296.2	123.4-552.0	76-80	86.7	34.7-164.8
15	300.1	127.4-554.2	81-85	89.1	34.4-172.4
16	295.9	127.9-541.5	86-90	90.3	33.6-177.8
17	285.2	125.3-517.3			

AGE RELATED REFERENCE RANGES IGF-1					
AGE-YRS	MALE		AGE-YRS	IDS-iSYS	
	MEDIAN	RANGE (ng/ml)		MEDIAN	RANGE (ng/ml)
0	77.4	27.0-157.0	18	292.0	146.3-493.6
1	83.1	29.7-166.8	19	276.1	140.2-462.7
2	92.6	33.9-183.9	20	258.5	133.1-430.0
3	104.0	39.0-204.5	21-25	217.2	115.2-354.8
4	115.7	44.3-225.0	26-30	176.8	97.9-281.6
5	127.6	50.0-245.5	31-35	156.4	88.3-246.0
6	140.4	56.2-267.1	36-40	147.9	83.4-232.7
7	155.0	63.4-291.9	41-45	135.7	74.9-216.4
8	173.4	72.4-323.1	46-50	125.7	66.9-205.1
9	196.1	83.6-361.6	51-55	119.4	60.6-200.3
10	222.8	96.9-406.6	56-60	112.5	54.3-194.2
11	251.6	111.6-454.4	61-65	106.0	48.8-187.7
12	278.9	126.1-498.7	66-70	105.8	46.5-191.9
13	300.8	138.6-532.5	71-75	96.7	40.9-179.2
14	314.4	147.5-551.2	76-80	91.1	37.1-172.0
15	318.8	152.2-553.5	81-85	86.1	33.8-165.4
16	315.0	152.9-541.8	86-90	85.0	32.2-166.1
17	305.4	150.6-520.6			

GH Reference range:

A single measurement of GH does not provide adequate information for evaluating GH adequacy. Stimulation tests are commonly employed with baseline and post stimulation blood sampling. Normal Basal GH, Normal adults <10ng/mL.

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