

**DEPARTMENT OF PATHOLOGY
UNIVERSITY OF IOWA HEALTHCARE
UNIVERSITY OF IOWA HOSPITALS AND CLINICS
Laboratory: Point of Service AND Iowa River Landing Phlebotomy**

**PEDIATRIC BLOOD VOLUME GUIDELINES
PHL-12**

PURPOSE:

Provide pediatric maximum blood volume guidelines for both inpatient and out patient phlebotomists.

PROCEDURE:

The following chart states the maximum blood volume for pediatric draws based on 2 ml/kg. Pounds are listed in the second column.

REFERENCE:

1. Email from Department of Pediatrics 10/27/2007
2. Email from Department of Pediatrics 8/28/2010

Procedure Written/updated by:		Date:	
Reviewed by (Supervisor):		Date:	
Laboratory Manager:		Date:	
Section Director/ Director of Clinical Laboratories:		Date:	

Pediatric maximum Blood Volume Guidelines

Kilograms to Pounds conversion table

[provided by www.metric-conversions.org](http://www.metric-conversions.org)

Referenced 10/27/2007 and Maximum Blood Volumes added

Kilograms	Pounds	Max. Blood Volume		Kilograms	Pounds	Max. Blood Volume
2	4.4	4 ml		27	59.52	54 ml
3	6.61	6 ml		28	61.72	56 ml
4	8.81	8 ml		29	63.93	58 ml
5	11.02	10 ml		30	66.13	60 ml
6	13.22	12 ml		31	68.34	62 ml
7	15.43	14ml		32	70.54	64 ml
8	17.63	16 ml		33	72.75	66 ml
9	19.84	18ml		34	74.95	68 ml
10	22.04	20 ml		35	77.16	70 ml
11	24.25	22 ml		36	79.36	72 ml
12	26.45	24 ml		37	81.57	74 ml
13	28.66	26 ml		38	83.77	76 ml
14	30.86	28 ml		39	85.98	78 ml
15	33.06	30 ml		40	88.18	80 ml
16	35.27	32 ml		41	90.38	82 ml
17	37.47	34 ml		42	92.59	84 ml
18	39.68	36 ml		43	94.79	86 ml
19	41.88	38 ml		44	97	88 ml
20	44.09	40 ml		45	99.2	90 ml
21	46.29	42 ml		46	101.41	92 ml
22	48.5	44 ml		47	103.61	94 ml
23	50.7	46 ml		48	105.82	96 ml
24	52.91	48 ml		49	108.02	98 ml
25	55.11	50 ml		50	110.23	100 ml
26	57.32	52 ml				

Maximum blood volume for pediatric patients is 2 ml/kg. Reference: Email from Department of Pediatrics 10/27/2007 and 8/28/2010