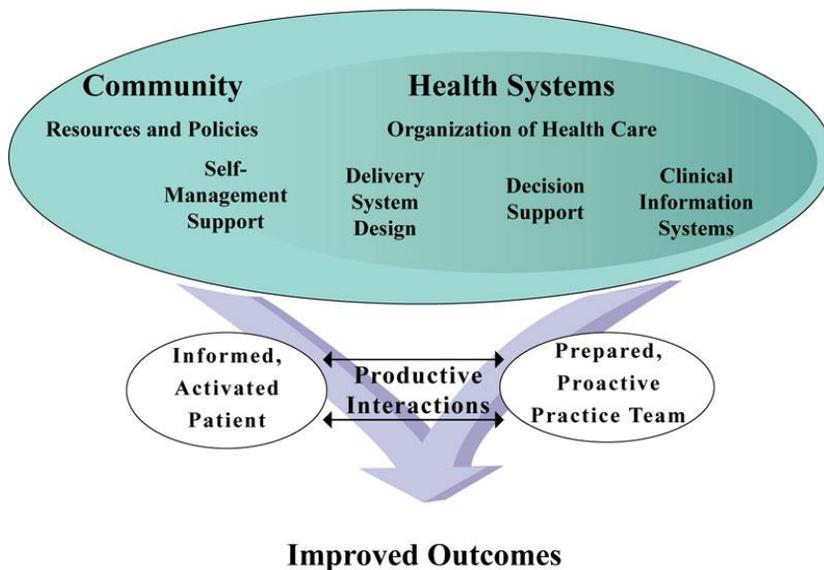
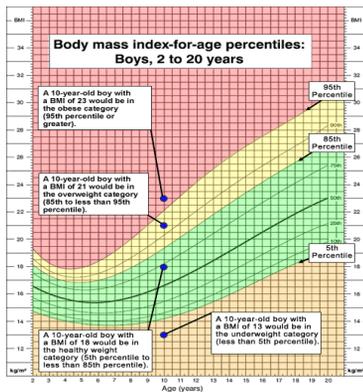


HIT Policy Committee  
Advanced Health Models and Meaningful Use  
Workgroup

Hearing on Advanced Health Models  
June 2, 2015



Developed by The MacColl Institute  
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Blood Pressure Levels for Boys by Age and Height Percentile

Age (Year)	BP Percentile	Systolic BP (mmHg)						Diastolic BP (mmHg)						
		Percentile of Height						Percentile of Height						
		5th	10th	25th	50th	75th	90th	5th	10th	25th	50th	75th	90th	
1	50th	90	91	93	95	97	99	34	35	36	37	38	39	
	90th	94	95	97	99	100	102	49	50	51	52	53	54	
	95th	98	99	101	103	104	106	54	54	55	56	57	58	
	99th	105	106	108	110	112	113	114	61	62	63	64	65	66
2	50th	94	95	97	98	99	100	39	40	41	42	43	44	
	90th	97	99	100	102	104	105	54	55	56	57	58	59	
	95th	101	102	104	106	108	109	59	59	60	61	62	63	
	99th	109	110	111	113	115	117	117	66	67	68	69	70	71
3	50th	96	97	99	99	101	102	44	44	45	46	47	48	
	90th	100	101	103	105	107	108	59	59	60	61	62	63	
	95th	104	105	107	109	110	112	113	63	63	64	65	66	67
	99th	111	112	114	116	118	119	120	71	71	72	73	74	75
4	50th	98	99	99	101	103	104	47	48	49	50	51	52	
	90th	102	103	105	107	109	110	111	62	63	64	65	66	67
	95th	106	107	109	111	112	114	115	66	67	68	69	70	71
	99th	113	114	116	118	120	121	122	74	75	76	77	78	79
5	50th	99	99	101	103	105	106	49	50	51	52	53	54	55
	90th	104	105	108	109	110	111	112	65	66	67	68	69	70
	95th	108	109	110	112	114	115	116	69	70	71	72	73	74
	99th	115	116	118	120	121	123	123	77	78	79	80	81	82

Vital Signs DUB: 05/06/2012 Patient Age: 11 Years & 11 Months Old

#### Measurements

Standard:  Metric:

Height: 60.25 in. / 153.04 cm

Weight: 141 lbs. / 64.09 kg

Previous: 58.25 in. / 147.96 cm (06/21/2013), 127.86 lbs. / 58.13 kg (06/21/2013)

Waist Circumference:  in. /  cm

Head Circumference:  in. /  cm

#### Calculations

Body Mass Index (BMI): 27.41    Percentile BMI: 98

Body Surface Area (BSA): 1.62    Percentile Height: 72    Percentile Weight: 98

BMI Interpretation: **Obese**   

Weight Management Education Done (Nutrition/Physical Activity)

#### Vital Signs

Temperature: 97.5 °F /  °C    Site: tympanic

Pulse Rate: 76

Respiratory Rate:

Blood Pressure: 107 / 51    Site: right arm    Position: sitting    Method: automatic

O2 Saturation:  %    O2 Source:     O2 Rate:

**Interpretation** (points to BMI Interpretation)

**Prompt to record diagnosis** (points to Add Obesity button)

**Pediatric Blood Pressure Interpretation** | DOB: 05/06/2002 | Patient Age: 11 Years & 11 Months Old

Patient Age: 11 Years & 11 Months Old  
Sex: Male  
Height Percentile: 72  
Weight Percentile: 98  
BMI Percentile: 98

**Previous Info**  
Blood Pressure (BP): 100 / 65 (06/21/2013)  
Systolic BP Percentile: <90th (02/13/2013)  
Diastolic BP Percentile: <90th (02/13/2013)  
Systolic BP Classification: Normal  
Diastolic BP Classification: Normal  
BP Interpretation: Normal (06/21/2013)

**Today's Info**  
Blood Pressure: 107 / 61  
Systolic BP Percentile: 55 %  
Diastolic BP Percentile: 16 %  
Systolic BP Classification: Normal  
Diastolic BP Classification: Normal  
BP Interpretation: Normal

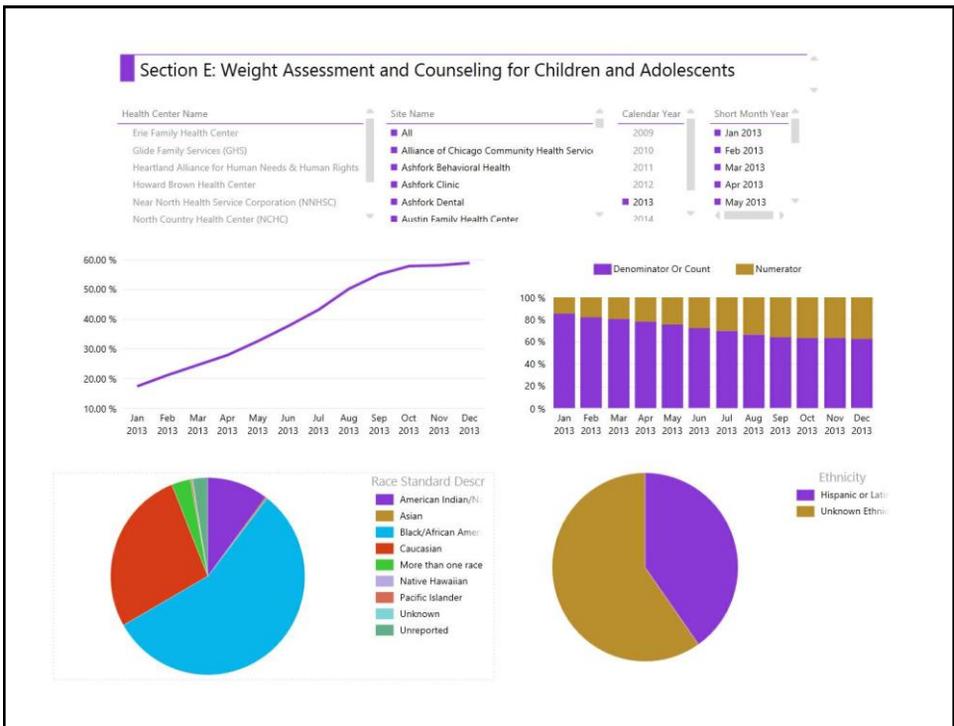
**References**  
NHLBI Rules - Male  
NHLBI Rules - Female  
NHLBI Interpretation  
Pediatrics - Dx Eval Tx of High BP  
Care Management Plan

**Systolic or Diastolic Percentile**  
-90th  
90th to <95th or if BP exceeds 120/80, even if below 90th percentile up to <95th percentile  
95th percentile to 99th percentile plus 5 mmHg  
>99th percentile plus 5 mmHg

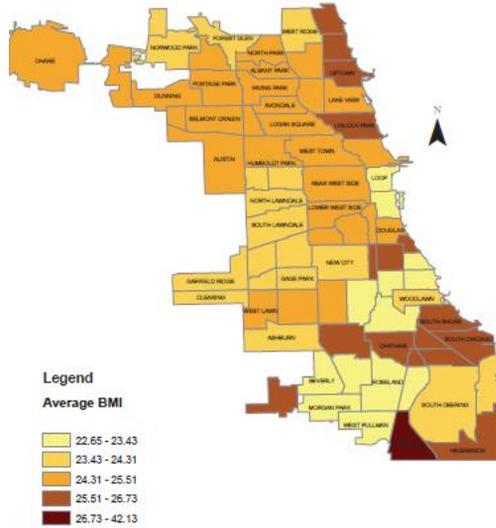
**Interpretation**  
Normal  
Pre-Hypertension  
Stage 1 Hypertension  
Stage 2 Hypertension

v1.52 - version date: 10/30/2013 | Alliance of Children's Community Health Services, LLC

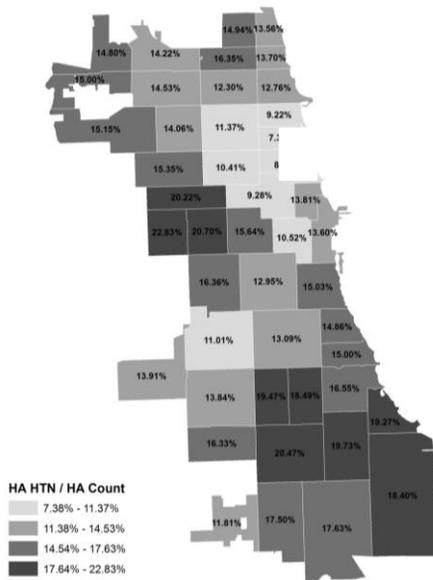
Prev Form (Ctrl+PgUp) | Next Form (Ctrl+PgDn)



## Chicago Health Center Average Body Mass by Community Area



## Hypertension prevalence





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pcori | Patient-Centered Outcomes Research Institute

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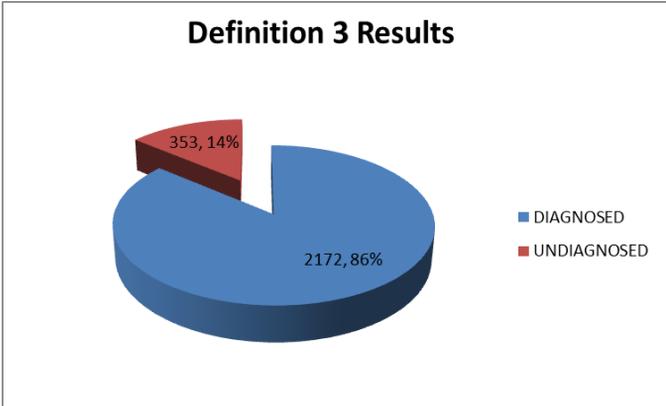
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# Unrecognized Hypertension in Adults

Algorithm 3: All patients that had any 3 encounters with an SBP >= 140 OR DBP >=90 12 months previous to their most recent encounter (The most recent encounter may be the third qualifying encounter).



**.046%**  
**99.954%**



