

# NEXTGEN VITAL SIGNS DEMONSTRATION

This demonstration reviews the documentation of vital signs in NextGen. This is similar across all specialties.

This has been prepared for EHR 5.8 & KBM 8.3. Subsequent updates may display cosmetic & functional changes.

Use the keyboard or mouse to pause, review, & resume as necessary.

# Before We Get Started

- There are 3 variations of the Vital Signs popups, for children under 2, children over 2, & adults.
- NextGen has never delivered a version in which all of these popups behave consistently & are free of errors.
  - One would think a company would be professionally embarrassed by this, & highly motivated to rapidly correct such flaws. One would think...
- Sometimes errors that are corrected in one version are re-introduced in a subsequent "update."

# Commonly Seen Flaws

- It is intuitive to hit the tab key to move from one field to the next, but programmers frequently forget to review the tab order. So if you're working quickly & not watching carefully, you may hit the tab key & start typing in a field that is different from what you expected.
  - So watch carefully if you use the tab key.
- Sometimes you have clicked the **Save** button, but when you try to close the popup, it nags you to save again anyway.
  - While this is a minor nuisance, what else are you going to do? Just play along with them.

# Commonly Seen Flaws

- The hearing & vision screens may nag you for diagnoses, & give you other notices about submitting to superbill, even if you've cleared the **Submit to Superbill** button. Especially for commercial insurance on older children & adults, we often don't charge separately for these services, anyway.
  - Yet another minor time-wasting nuisance. Just get in the routine of clicking through these notices where necessary.

# But Here's The Biggie

- English-metric unit conversions should take place automatically, but they have at times required a manual button click.
  - By & large, this is resolved, & now there is no manual conversion button.
- However, as of this writing June 2014, there are **SERIOUS** flaws in at least the adult versions of these popups that can lead to incorrect documentation of vital signs, to the detriment of patient care.

The least dangerous is for temperature. If you record temperature in **Fahrenheit**, things work fine. But if you happen to record temperature in **Celsius**, once you hit the decimal point, it goes haywire.



Type 37.1

Temperature:  F  C Site:

 **Temperature is elevated.**

This is sloppy programming to the point of being amusing. But at least you'll notice something this bizarre, & it won't be likely to impact patient care. For now, just make sure to enter temperature in Fahrenheit.

Height can be more problematic. Note there is the provision for entering height in **feet & inches** or in **total inches**.

"Adult Vital Signs" - [New Record]

Height/length measurements:

ft  in  total in  cm Position:  Standing  Lying

Last Measured:   Measured today  Carried forward

While the versatility is useful, this presents an opportunity for erroneous entry by the user:

- One might enter total inches in the "feet/inches" inches field. So a patient might be listed as **0 feet, 63 inches**. Odd, but technically correct.
- One might enter both feet & total inches, so that the patient appears to be **5 feet, 63 inches**. Pretty darn tall.
  - The program was inconsistent as to how it addressed this. Sometimes it fixed things for you. Sometimes it gave you a warning. Sometimes your patient ended up 123 inches tall.

Total centimeters was presenting inconsistent results as well.

"Adult Vital Signs" - [New Record]

Height/length measurements:

ft  in  total in  cm Position:  Standing  Lying

Last Measured:   Measured today  Carried forward

To adapt to this, we've taught our users to use **total inches** as the preferred height measurement. And the good news is that NextGen now gives you a warning if you enter a value greater than 12 in the "feet/inches" inches field.

But now NextGen has introduced a serious flaw on the total inches field that will result in incorrect documentation if **total inches** is used.



If you enter total inches, conversions do not take place, & BMI is not calculated.

"Adult Vital Signs" - [New Record]

Height/length measurements:  
 ft  in  total in  cm Position:  Standing  Lying  
Last Measured:   Measured today  Carried forward

BMI/BSA calculation:  
BMI:  kg/m<sup>2</sup> [BMI Plan](#)  
BSA:  m<sup>2</sup>

Other ramifications:

- Even if **total inches** displays, if you modify it, the other measurements don't update in response to this change.
- These errors are re-introduced on subsequent encounters if the **Carried forward** bullet is used.

While it looks obvious in the above example, this error is easily overlooked by the user who is working in a hurry & is accustomed to trusting the **total inches** field.

## "Adult Vital Signs" - [New Record]

### Height/length measurements:

ft  in  total in  cm Position:  Standing  Lying

Last Measured:   Measured today  Carried forward

### BMI/BSA calculation:

BMI:  kg/m<sup>2</sup> [BMI Plan](#)

BSA:  m<sup>2</sup>

Serious patient care consequences:

- Even if **total inches** displays, if you modify it, the other measurements don't update in response to this change.
- These errors are re-introduced on subsequent encounters if the **Carried forward** bullet is used.

We have brought this matter to NextGen's attention & have demanded rapid attention. We hope this inexcusable programming flaw will be rapidly addressed.

**Until then, users should use enter height in feet & inches!**  
We will notify you when it is safe to resume using **total inches** again.

"Adult Vital Signs" - [New Record]

Height/length measurements:  
[ ] ft [ ] in [ 63 ] total in [ 0 ] cm Position:  Standing  Lying

Last Measured: [ 05/23/2014 ]  Measured today  Carried forward

BMI/BSA calculation:  
BMI: [ ] kg/m<sup>2</sup> [BMI Plan](#)  
BSA: [ ] m<sup>2</sup> [Calculate](#)



Now that THAT nasty piece of business is out of the way, let's proceed with our lesson.

Nurses will usually enter vital signs from the **Intake** tab. Click the **Add** button.

06/15/2014 11:23 AM : "\*USA Intake 836" x

Specialty ▼ Family Practice      Visit Type ▼ Office Visit

TOB   HTN   DM   CAD   ⚙

Intake   Histories   SOAP   Finalize   Checkout

Standing Orders | Adult Immunizations | Peds Immunizations | My Plan | Procedures | Order Management | Document Library

Care Guidelines | Global Days

Panel Control: Toggle   Cycle

**General**

Established patient    New patient   Historian:

**Reason for Visit**

**Vital Signs**


Historical information entered this encounter   Health Promotion Plan | History | Graph

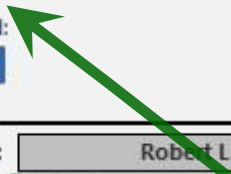
Time	Wt lbs	Ht in	BMI	Wt kg	Ht cm	BP	Pulse	Resp	TempF	TempC	O-sat	Pain Level	Comments

Add   Edit   Remove

These initial examples will use adults. The process is largely analogous in children, though a few distinctions will be presented near the end.



ALERTS:

- Unobtainable:
- Patient Refused:
- ✦ Exclusions 



Here you can enter all pertinent data in a relatively intuitive fashion. You can perform numerical input using the computer keyboard or the onscreen keypad.

Note there are checkboxes at the top to indicate that one or more vital signs were unobtainable or refused by the patient. If you check one, you'll see a space to explain further.

Pulse Ox Rest: <input type="text"/> %	Pulse Ox: <input type="radio"/> Room air
Pulse Ox Amb: <input type="text"/> %	<input type="radio"/> Oxygen: <input type="text"/>
Pain Score: <input type="text"/>  ✦ Pain Plan	Method: <input type="text"/> HAQ-DI 
Neck Circum: <input type="text"/> in <input type="text"/> cm	Waist Hip Ratio: <input type="text"/>
Waist Circum: <input type="text"/> in <input type="text"/> cm	
Hip Circum: <input type="text"/> in <input type="text"/> cm	
FiO <sub>2</sub> <input type="checkbox"/> Room Air: <input type="text"/> % <input type="text"/> L/min	Delivery Method: <input type="text"/>
Peak Flow: <input type="text"/> L/min <input type="radio"/> Pre-tx <input type="radio"/> Post-tx	Method: <input type="text"/>
Comments: <input type="text"/>	

[Audiometry Exam](#) [Vision Screening](#)



Height/length measurements:

ft  in  total in  cm Position:  Standing  Lying

Last Measured:  /  /   Measured today  Carried forward

Weight measurement:

lb  kg Context:  Dressed with shoes  Dressed without shoes

Temperature:  F  C Site:

Blood Pressure and pulse:

Systolic:  Diastolic:  mm/Hg

Position:  Sitting  Standing  Lying

Side:  Right  Left

Site:

Pulse:  /min  Regular  Irregular

Method:  Manual  Automatic  Home monitor

Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and Pulse Ox:

Respiration:  /min Pulse Ox Rest:  % Pulse Ox Amb:  %

Pulse Ox:  Room air  Oxygen - Method:

Pulse Ox measured:  Pre-treatment  Post-treatment

Peak Flow:

L/min  Pre-treatment  Post-treatment

Method:

LMP date:  /  /

- Premenopausal
- Perimenopausal
- Postmenopausal

In the past, English-metric conversions have been somewhat inconsistent. But they now appear to happen automatically & correctly for both adults & children. In fact, there is no longer a "conversion" button.

Height/length measurements:

ft  in  total in  cm Position:  Standing  Lying

Last Measured:  /  /   Measured today  Carried forward

Weight measurement:

lb  kg Context:  Dressed with shoes  Dressed without shoes

Temperature:  F  C Site:

Blood Pressure and pulse:

Systolic:  Diastolic:  mm/Hg Position:  Sitting  Standing  Lying Side:  Right  Left Site:

Pulse:  /min Pulse pattern:  Regular  Irregular Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large

Respiratory rate:  L/min  Pre-treatment  Post-treatment LMP date:

Pulse Ox:  Room air  Oxygen - Method:  Method:

Pulse Ox measured:  Pre-treatment  Post-treatment

Pain scale: Pain score:  Method:  HAQ-DI

Comments:

Unobtainable:  
 Patient Refused:

BMI/BSA calculation:  
BMI:  kg/m<sup>2</sup> BMI Plan  
BSA:  m<sup>2</sup> Calculate

LMP

March, 2014

Sun	Mon	Tue	Wed	Thu	Fri	Sat
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Today OK Cancel

Click in the LMP box & use the calendar popup to enter the date.

- Premenopausal
- Perimenopausal
- Postmenopausal

There are also bullets that can be used to indicate menopausal status.

Height/length measurements:  
5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying  
Last Measured: 06/15/2014  Measured today  Carried forward

BMI/BSA calculation:  
BMI:  kg/m<sup>2</sup> [BMI Plan](#)  
BSA:  m<sup>2</sup>

- Unobtainable:
- Patient Refused:
- [Exclusions](#)
- [Neck/Waist/Hip Circumference](#)
- [Audiometry Exam](#)
- [Vision Screening](#)
- [Orthostatic Vital Signs](#)

Weight measurement:  
 lb  kg Context:  Dressed with shoes  Dressed without shoes

Temperature:  F  C Site:

Blood Pressure and pulse:  
Systolic:  Diastolic:  mm/Hg Position:  Sitting  Standing  Lying Side:  Right  Left Site:   
Pulse:  /min Pulse pattern:  Regular  Irregular Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

Enter height in the method of choice. You may also enter position if desired.

You can indicate that height was measured today, or for adults, you can choose to carry forward a previously measured height.

Either way, always record height! It is used to calculate BMI.



Height/length measurements:

ft  in  total in  cm Position:  Standing  Lying

Last Measured:   Measured today  Carried forward

Weight measurement:

lb  kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI:  kg/m<sup>2</sup> [BMI Plan](#)

BSA:  m<sup>2</sup> [Calculate](#)

 Patient is obese.

Unobtainable:

Patient Refused:

[Exclusions](#) 

Temperature:  F  C Site:

Blood Pressure and pulse:

Systolic:  Diastolic:  mm/Hg Position:  Sitting  Standing  Lying Side:  Right  Left Site:

Pulse:  /min  Regular  Irregular Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and Pulse Ox:

Peak Flow:

- [Neck/Waist/Hip Circumference](#)
- [Audiometry Exam](#)
- [Vision Screening](#)
- [Orthostatic Vital Signs](#)

LMP date:

- Premenopausal
- Perimenopausal
- Postmenopausal

Measured date:  Time:

Measured by:

Enter weight. You can also note whether or not the patient was wearing shoes. Once height & weight are entered, the BMI will be calculated. You can also click the **BSA Calculate** button to calculate body surface area, if desired.

Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement:

182 lb 82.554 kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI: 30.29 kg/m<sup>2</sup> BMI Plan

BSA:  m<sup>2</sup> Calculate

Patient is obese.

Unobtainable:

Patient Refused:

Exclusions

Temperature: 98.8 F 37.1 C Site: ear

Blood Pressure and pulse:

Systolic: / Diastolic: mm/Hg

Position:  Sitting  Standing  Lying

Side:  Right  Left Site:

Pulse: /min  Regular  Irregular

Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and Pulse Ox:

Respiration: /min Pulse Ox Rest: % Pulse Ox Amb: %

Peak Flow: L/min  Pre-treatment  Post-treatment

LMP date: / /

- Premenopausal
- Perimenopausal
- Postmenopausal

Measured date: 06/15/2014 Time: 11:24 AM

Measured by: Robert L. Duffy

Comments:

Enter temperature; you also have the option to enter the site it was taken.

Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement:

182 lb 82.554 kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI: 30.29 kg/m<sup>2</sup> [BMI Plan](#)

BSA:  m<sup>2</sup> [Calculate](#)

**! Patient is obese.**

Unobtainable:

Patient Refused:

[Exclusions](#)

Temperature: 98.8 F 37.1 C Site: ear

Blood Pressure and pulse: **! Blood pressure is elevated.**

Systolic: 162 / Diastolic: 90 mm/Hg  
Pulse:  /min  Regular  Irregular  
Position:  Sitting  Standing  Lying  
Side:  Right  Left Site: arm  
Method:  Manual  Automatic  Home monitor  
Cuff size:  Pediatric  Adult  Large  Thigh

- [Neck/Waist/Hip Circumference](#)
- [Audiometry Exam](#)
- [Vision Screening](#)
- [Orthostatic Vital Signs](#)

Respiration and Pulse Ox:

Respiration:  /min Pulse Ox Rest:  % Pulse Ox Amb:  %  
Pulse Ox:  Room air  Oxygen - Method:    
Pulse Ox measured:  Pre-treatment  Post-treatment

Peak Flow:

L/min  Pre-treatment  Post-treatment  
Method:

LMP date:  /  /   
 Premenopausal  
 Perimenopausal  
 Postmenopausal

Enter blood pressure; you also have the option to enter further details about how it was taken.

Measured date: 06/15/2014 Time: 11:24 AM

Measured by: Robert L. Duffy



Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement:

182 lb 82.554 kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI: 30.29 kg/m<sup>2</sup> BMI Plan

BSA:  m<sup>2</sup> Calculate

**! Patient is obese.**

Unobtainable:

Patient Refused:

Exclusions

Temperature: 98.8 F 37.1 C Site: ear

Blood Pressure and pulse: **! Blood pressure is elevated. Pulse is out of normal range.**

Systolic: 162 / Diastolic: 90 mm/Hg Position:  Sitting  Standing  Lying Side:  Right  Left Site: arm

Pulse: 102 /min Pulse pattern:  Regular  Irregular Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and Pulse Ox: **! Respiration is out of normal range.**

Respiration: 22 /min Pulse Ox Rest:  % Pulse Ox Amb:  % Peak Flow:  L/min  Pre-treatment  Post-treatment

Pulse Ox:  Room air  Oxygen - Method:  Method:   
Pulse Ox measured:  Pre-treatment  Post-treatment

Pain scale: Pain score:  Method:  HAQ-DI

- Neck/Waist/Hip Circumference
- Audiometry Exam
- Vision Screening
- Orthostatic Vital Signs

LMP date: //  Premenopausal  Perimenopausal  Postmenopausal

Measured date: 06/15/2014 Time: 11:24 AM

Measured by: Robert L. Duffy

Continuing down, enter pulse & respiration. You can also optionally enter whether or not the pulse was regular.

Notice all the **red** warnings of abnormal vital signs. These also take into account whether the patient is diabetic, as that colors the interpretation of the BP. (Though note they don't appear to have been updated to 2013's JNC 8 guidelines.)

Adult Vital Signs - [New Record]

Height/length measurements: 5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement: 182 lb 82.554 kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA Calculation: BMI: 30.29 kg/m<sup>2</sup>  BMI Plan BSA:  m<sup>2</sup> Calculate

**⚠ Patient is obese.**

Patient Refused:  Exclusions

Temperature: 98.8 F 37.1 C Site: ear

**⚠ Blood pressure is elevated. Pulse is out of normal range.**

Systolic: 162 Diastolic: 90 mm/Hg Position:  Sitting  Standing  Lying Side:  Right  Left Site: arm

Pulse: 102 /min  Regular  Irregular Pulse pattern: Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

**⚠ Respiration is out of normal range.**

Respiration: 22 /min Pulse Ox Rest:  % Pulse Ox Amb:  %

Pulse Ox:  Room air  Oxygen - Method:

Pulse Ox measured:  Pre-treatment  Post-treatment

Peak Flow:  L/min  Pre-treatment  Post-treatment

LMP date:  /  /

Premenopausal  Perimenopausal  Postmenopausal

Pain scale:

Sometimes you'll need to take these alerts with a grain of salt; you can't really set values appropriate for all ages & circumstances, so you may get alerts about VS that aren't particularly alarming in a given scenario.

Several other measurements can be recorded on this popup as well, including neck, waist, & hip circumference.

Temperature:  F  C Site:

Blood Pressure and pulse: Blood pressure is elevated. Pulse is out of normal range.

Systolic:  / Diastolic:  mm/Hg

Pulse:  /min  Regular  Irregular

Respiration and Pulse Ox: Respiration is o

Respiration:  /min Pulse Ox Rest:

Pulse Ox:  Room air  Oxygen - Method:

Pulse Ox measured:  Pre-treatment  Po

Pain scale:

Pain score:  Method:

Comments:

### Neck/Waist/Hip Circumference

Neck:  in  cm

Waist:  in  cm Hip:  in  cm Hip/Waist ratio:

Unobtainable:

Patient Refused:

Exclusions

Neck/Waist/Hip Circumference

Audiometry Exam

Vision Screening

Orthostatic Vital Signs

Date:

Premenopausal

Perimenopausal

Postmenopausal

Measured date:  Time:

Measured by:



Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today

Weight measurement:

182 lb 82.554 kg Context:  Dressed w/

Temperature: 98.8 F 37.1 C Site: ear

Blood Pressure and pulse: **Blood pressure is elevated. Pulse is out of normal range.**

Systolic: 162 Diastolic: 90 mm/Hg

Pulse: 102 /min  Regular  Irregular

Position:  Sitting  Standing  Lying

Method:  Manual  Automatic  Home monitor

Side:  Right  Left Site: arm

Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and Pulse Ox: **Respiration is out of normal range.**

Respiration: 22 /min Pulse Ox Rest: % Pulse Ox Amb: %

Pulse Ox:  Room air  Oxygen - Method:    
Pulse Ox measured:  Pre-treatment  Post-treatment

Peak Flow:  L/min  Pre-treatment  Post-treatment

Method:

Pain scale:

Pain score:  Method:  HAQ-DI

Comments:

Unobtainable:

Patient Refused:

[Neck/Waist/Hip Circumference](#)

[Audiometry Exam](#)

[Vision Screening](#)

[Orthostatic Vital Signs](#)

LMP date:

- Premenopausal
- Perimenopausal
- Postmenopausal

Measured date: 06/15/2014 Time: 11:24 AM

Measured by: Robert L. Duffy

Oxygen saturation can also be recorded, as well as whether it was at rest or while active, & pre- or post-aerosol treatment.

Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement:

132.54 lb 60.1 kg  Dressed with shoes  Dressed without shoes

Temp:

BMI/BSA calculation:

BMI: 30.29 kg/m<sup>2</sup> [BMI Plan](#)

BSA:  m<sup>2</sup> [Calculate](#)

**Patient is obese.**

Unobtainable:

Patient Refused:

[Exclusions](#)

Hearing & vision screens can be launched from the Vital Signs popup.

[Neck/Waist/Hip Circumference](#)

[Audiometry Exam](#)

[Vision Screening](#)

[Orthostatic vital Signs](#)

**Blood Pressure and pulse:** **Blood pressure is elevated. Pulse is out of normal range.**

Systolic: 162 / Diastolic: 90 mm/Hg

Position:  Sitting  Standing  Lying

Side:  Right  Left

Site: arm

Pulse: 102 /min  Regular  Irregular

Method:  Manual  Automatic  Home monitor

Cuff size:  Pediatric  Adult  Large  Thigh

**Respiration and Pulse Ox:** **Respiration is out of normal range.**

Respiration: 22 /min Pulse Ox Rest:  % Pulse Ox Amb:  %

Pulse Ox:  Room air  Oxygen - Method:

Pulse Ox measured:  Pre-treatment  Post-treatment

Peak Flow:

L/min  Pre-treatment  Post-treatment

Method:

LMP date:

- Premenopausal
- Perimenopausal
- Postmenopausal

Pain scale:

Pain score:  Method:  [HAQ-DI](#)

Measured date: 06/15/2014 Time: 11:24 AM

Comments:

Measured by: Robert L. Duffy



**Tone Audiometry - PE**

Reason for Test: Quick Note: Apply Save

Hearing loss  Screening

Frequency:

500 hz:	1 khz:	2 khz:	3 khz:	4 khz:
Right: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Left: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Pass  Fail

Comments:

Submit audiometry test to Superbill

Procedure:  Code:

Assessment:  Code:  Status:

Save & Close

Enter results in whatever manner your machine gives them to you.

If you don't plan to bill for the hearing test, clear this checkbox.

**Tone Audiometry - PE**

Reason for Test: Quick Note: Apply Save

Hearing loss  Screening

Frequency:

500 hz:	1 khz:	2 khz:	3 khz:	4 khz:
Right: <input type="text" value="25 dB"/>	<input type="text" value="25 dB"/>	<input type="text" value="25 dB"/>	<input type="text"/>	<input type="text" value="25 dB"/>
Left: <input type="text" value="25 dB"/>	<input type="text" value="25 dB"/>	<input type="text" value="25 dB"/>	<input type="text"/>	<input type="text" value="25 dB"/>

Pass  Fail

Comments:

Submit audiometry test to Superbill

Save & Close Cancel

But if you do want to submit to superbill, you'll need to pick a reason for the test.

## Reason for Test:

 Hearing loss  Screening

## Frequency:

	500 hz:	1 khz:	2 khz:	3 khz:	4 khz:
Right:	25 dB	25 dB	25 dB		25 dB
Left:	25 dB	25 dB	25 dB		25 dB

## Comments:

 Submit audiometry test to Superbill

Quick Notes: Apply

A search list with some likely choices appears. For hearing loss, you'll see some likely options.

 Enter search term

Search

All Diagnoses  
 Patient's Diagnoses  
 Patient's Chronic Diagnoses  
 Favorites  
 My List - Importe  
 Favorite 2  
 Categories

Clinical Description and ICD Code	Billing Description
Unspecified hearing loss   389.9	Unspecified hearing los
Unspecified hearing loss, bilateral   H91.93	Unspecified hearing los
Unspecified hearing loss, left ear   H91.92	Unspecified hearing los
Unspecified hearing loss, right ear   H91.91	Unspecified hearing los
<b>Other examination of ears and hearing   V72.19</b>	<b>EXAM EARS &amp; HEARING</b>
Encounter for examination of ears and hearing with other abnormal findings   Z01.118	Encntr for exam of ears
Encounter for routine child health examination without abnormal findings   Z00.129	Encntr for routine child
Encounter for health supervision and care of founding   Z76.1	Encounter for health su
Encounter for examination of ears and hearing without abnormal findings   Z01.10	Encounter for exam of e
Encounter for hearing conservation and treatment   V72.12	HEARING CONSERVATN,
Encounter for hearing conservation and treatment   Z01.12	Encounter for hearing c
Encounter for hearing examination following failed hearing screening   Z01.110	Encounter for hearing e
Encounter for hearing examination following failed hearing screening   V72.11	HEARING EXAM-FAIL SCI

15 rows returned

Select

Cancel

For screening you probably want to pick routine child health examination or Other examination of ears and hearing.

Unfortunately, you may get nagged about diagnosis & superbill submission even if you don't want to charge for the test & you clear the checkboxes. Sigh....

Data entry, diagnosis, & superbill considerations are analogous on the **Vision Screening** popup.

Vision Screening - PE

Quick Note:

**Visual Acuity:**

	Corrected:	Uncorrected:
OD:	20/20	
OS:	20/25	
OU:	20/20	

Unobtainable:

Vectograph:  Pass  Fail  Unobtainable

Corrective lenses:  No  Yes

Comments: [Ishihara Test for Color Blindness](#)

Submit vision screening to Superbill

Procedure:  Code:

Assessment:  Code:  Status:

Note there is a link to display a color vision screen.

Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement:

182 lb 82.554 kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI: 30.29 kg/m<sup>2</sup> BMI Plan

BSA:  m<sup>2</sup> Calculate

 Patient is obese.

Unobtainable:

Patient Refused:

 Exclusions 

**Note about failed hearing & vision screens:** With all of the red vital sign alerts popping up everywhere, it is intuitive to believe that you'll get an alert if the hearing or vision tests are abnormal. *That is, unfortunately, not the case.* Nurses need to include this fact in the Intake Comments or verbally communicate it to the provider to help keep this from being overlooked.

Providers, note that the hearing & vision results are posted to your physical exam, so you'll get a chance to notice it there—just later than you might be expecting.



Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement:

182 lb 82.554 kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI: 30.29 kg/m<sup>2</sup> BMI Plan

BSA:  m<sup>2</sup> Calculate

**! Patient is obese.**

Unobtainable:

Patient Refused:

Exclusions

**Pain & disability scores are also available.**

Temperature: 98.8

Blood Pressure and pulse: **! Blood pressure is elevated. Pulse is out of normal range.**

Systolic: 162 Diastolic: 90 mm/Hg

Position:  Sitting  Standing  Lying

Side:  Right  Left

Site: arm

Pulse: 102 /min  Regular  Irregular

Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and Pulse Ox: **! Respiration is out of normal range.**

Respiration: 22 /min Pulse Ox Rest:  % Pulse Ox Amb:  %

Pulse Ox:  Room air  Oxygen Method:

Pulse Ox measured:  Pre-treatment  Post-treatment

Peak Flow:

L/min  Pre-treatment  Post-treatment

Method:

LMP date: / /

- Premenopausal
- Perimenopausal
- Postmenopausal

Pain scale:

Pain score:  Method:  HAQ-DI

Comments:

Measured date: 06/15/2014 Time: 11:24 AM

Measured by: Robert L. Duffy

Height/length measurements:

5 ft 5 in 65.00 total in 165.1 cm Position:  Standing  Lying

Last Measured: 06/15/2014  Measured today  Carried forward

Weight measurement:

182 lb 82.554 kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI: 30.29 kg/m<sup>2</sup> [BMI Plan](#)

BSA:  m<sup>2</sup> [Calculate](#)

Patient is obese.

Unobtainable:

Patient Refused:

[Exclusions](#)

Temperature: 98.8 F 37.1 C Site: ear

Blood Pressure and pulse: Blood pressure is elevated. Pulse is out of normal range.

Systolic: 162 / Diastolic: 90 mm/Hg Position:  Sitting  Standing  Lying Side:  Right  Left Site: arm

Pulse: 102 /min  Regular  Irregular Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and Pulse Respiration is out of normal range.

Respiration: 22 Peak Flow:  L/min  Pre-treatment  Post-treatment  
Pulse Ox:  Room air   %  Pre-treatment  Post-treatment  
Pulse Ox measured:  Pre-treatment  Post-treatment

Pain scale: Pain score:  Method:  [HAQ-DI](#)

Comments:

- [Neck/Waist/Hip Circumference](#)
- [Audiometry Exam](#)
- [Vision Screening](#)
- [Orthostatic Vital Signs](#)

LMP date: //  Premenopausal  Perimenopausal  Postmenopausal

Measured date: 06/15/2014 Time: 11:24 AM

Measured by: Robert L. Duffy

When you're done entering information, click Save then Close.

Vital signs are now visible in the Vital Signs grids throughout the chart.

6/15/2014 11:23 AM [Close]

Specialty: Family Practice | Visit Type: Office visit

TOB HTN DM CAD

Intake | Histories | SOAP | Finalize | Checkout

Standing Orders | Adult Immunizations | Peds Immunizations | My Plan | Procedures | Order Management | Document Library

Care Guidelines | Global Days

Panel Control: Toggle Cycle

**General**

Established patient  New patient | Historian:

**Reason for Visit**

**Vital Signs** ⚠ Vital Signs Outside Normal Range ⚠ BMI Outside Normal Range

Historical information entered this encounter | Health Promotion Plan | History | Graph

Time	Wt lbs	Ht in	BMI	Wt kg	Ht cm	BP	Pulse	Resp	TempF	TempC	O-sat	Pain Level	Comments
11:24 AM	182.00	65.00	30.29	82.554	165.10	162/90	102	22	98.8	37.1			

Add Edit Remove

Sometimes you might need to enter a second set of vital signs during the visit. For example, in this patient, we'll recheck her after she's had a chance to rest in the exam room a few minutes. Click the **Add** button again.



Height/length measurements:

ft  in  total in  cm Position:  Standing  Lying

Last Measured:   Measured today  Carried forward

Weight measurement:

lb  kg Context:  Dressed with shoes  Dressed without shoes

BMI/BSA calculation:

BMI:  kg/m<sup>2</sup> [BMI Plan](#)

BSA:  m<sup>2</sup>

Unobtainable:

Patient Refused:

[Exclusions](#)

Temperature:  F  C Site:

Blood Pressure and pulse: Blood pressure is elevated.

Systolic:  Diastolic:  mm/Hg

Pulse:  /min  Regular  Irregular

Position:  Sitting  Standing  Lying

Side:  Right  Left Site:

Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

- [Neck/Waist/Hip Circumference](#)
- [Audiometry Exam](#)
- [Vision Screening](#)
- [Orthostatic Vital Signs](#)

Respiration and Pulse Ox:

Respiration:  /min Pulse Ox Rest:  % Pulse Ox Amb:  %

Peak Flow:  L/min  Pre-treatment  Post-treatment

Pain scale: Pain score:

Enter new readings.  
(Only enter the VS you need to recheck.)  
Click **Save** then **Close**.

Comments:

Measured by:



Specialty Family Practice Visit Type Office Visit

Intake

Histories

SOAP

Finalize

Checkout

Standing Orders | Adult Immunizations | Peds Immunizations | My Plan | Procedures | Order Management | Document Library

Care Guidelines | Global Days

Panel Control: Toggle Cycle

The additional vital signs now show on the grid.

General

Established patient New patient | Historian:

Reason for Visit

Vital Signs Vital Signs Outside Normal Range

Historical information entered this encounter Health Promotion Plan | History | Graph

Time	Wt lbs	Ht in	BMI	Wt kg	Ht cm	BP	Pulse	Resp	TempF	TempC	O-sat	Pain Level	Comments
11:24 AM	182.00	65.00	30.29	82.554	165.10	162/90	102	22	98.8	37.1			
1:40 PM						142/84	84	20					

Add Edit Remove

For children under 2 the Vital Signs popup looks a bit different. There are places for head circumference, height, weight, & head percentiles, & a link to growth charts. (Over age 2 is analogous, splitting the difference between this version & the adult version.)

"Pediatric Under 2 Years Old Vital Signs" - [1 of 1]

Gestational age at birth:  weeks

Height/Length measurements:  
 2  ft  1.5  in  25.50 total in  64.77 cm Position:  Standing  Lying

Last measured:  06/01/2014  Measured today  Carried forward

Weight measurement:  16  lb   oz  7.257 kg Context:  Dressed with shoes  Dressed without shoes  Undressed with diaper  Undressed

Head Circumference:  16.69  in  42.4  cm

Temperature:  98.0  F  36.7  C Site:  ear

Blood Pressure and pulse:  
Systolic:  / Diastolic:  mm/Hg Position:  Sitting  Standing  Lying Side:  Right  Left Site:   
Pulse:  94 /min Pulse pattern:  Regular  Irregular Method:  Manual  Automatic  Home monitor Cuff size:  Pediatric  Adult  Large  Thigh

Respiration and pulse Ox:  
Respiration:  24 /min Pulse Ox Rest:  % Pulse Ox Amb:  %  
Pulse Ox:  Room air  Oxygen - Method:   Pulse Ox measured:  Pre-treatment  Post-treatment

Pain scale:  
Pain score:  Method:

Measured date:  06/15/2014 Time:  1:44 PM  
Measured by:  Robert L. Duffy

Comments:

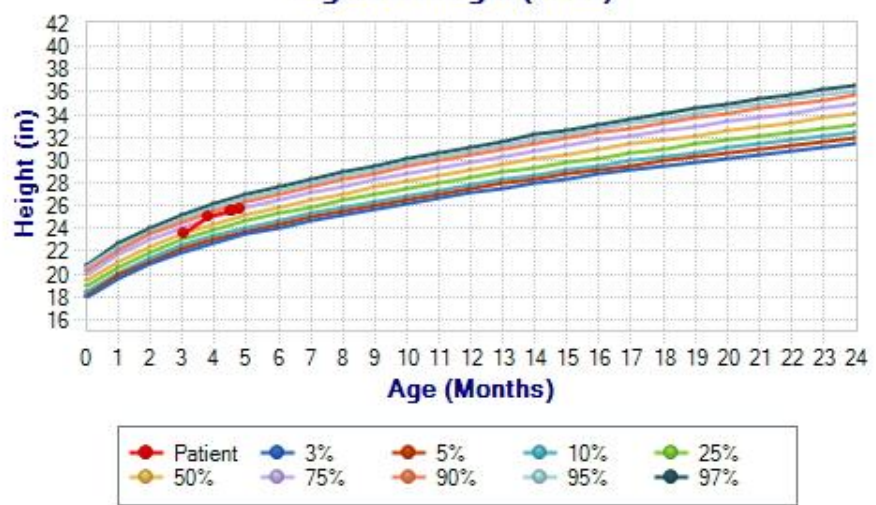
Navigation: << < Clear For Add Delete Save Close >> >>

Growth Percentile: [Growth Chart](#)

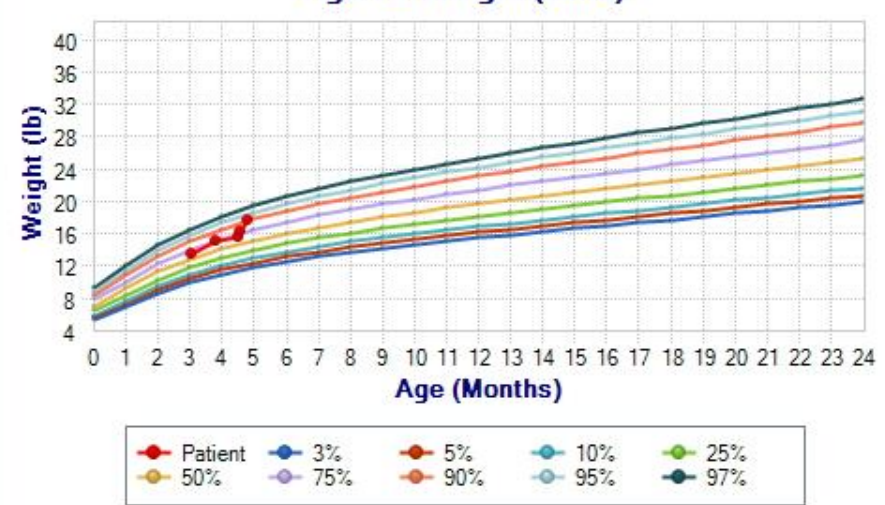
Height:	Head:	Weight:
65	78	67

Click the **Growth Charts** link.

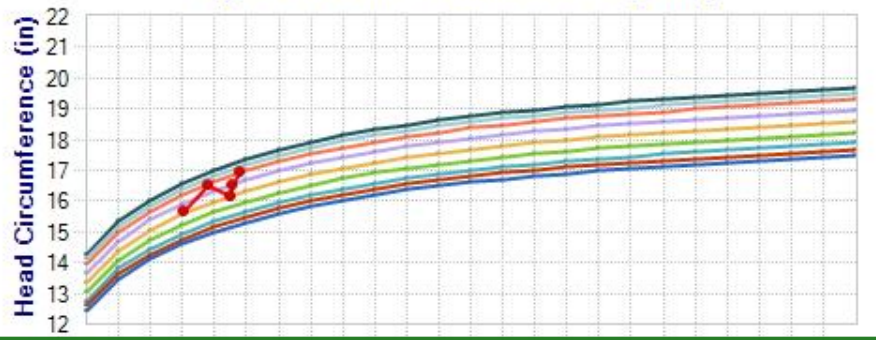
### Age vs. Height (Girls)



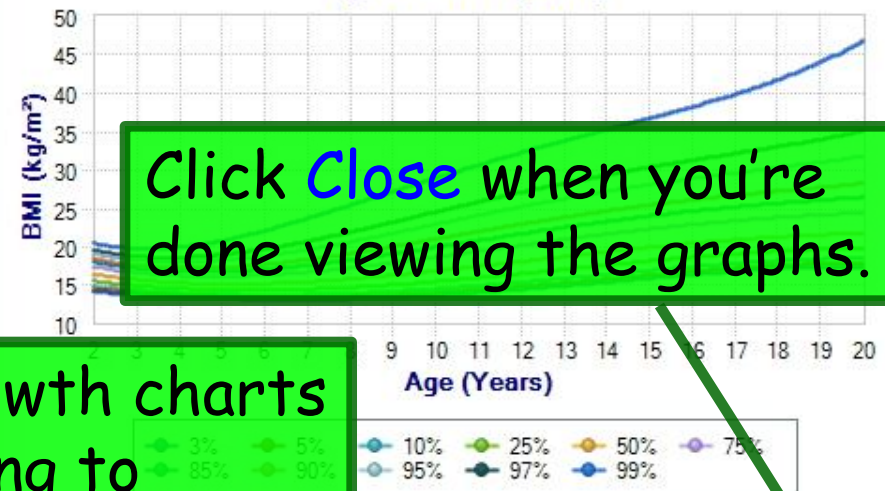
### Age vs. Weight (Girls)



### Age vs. Head Circumference (Girls)



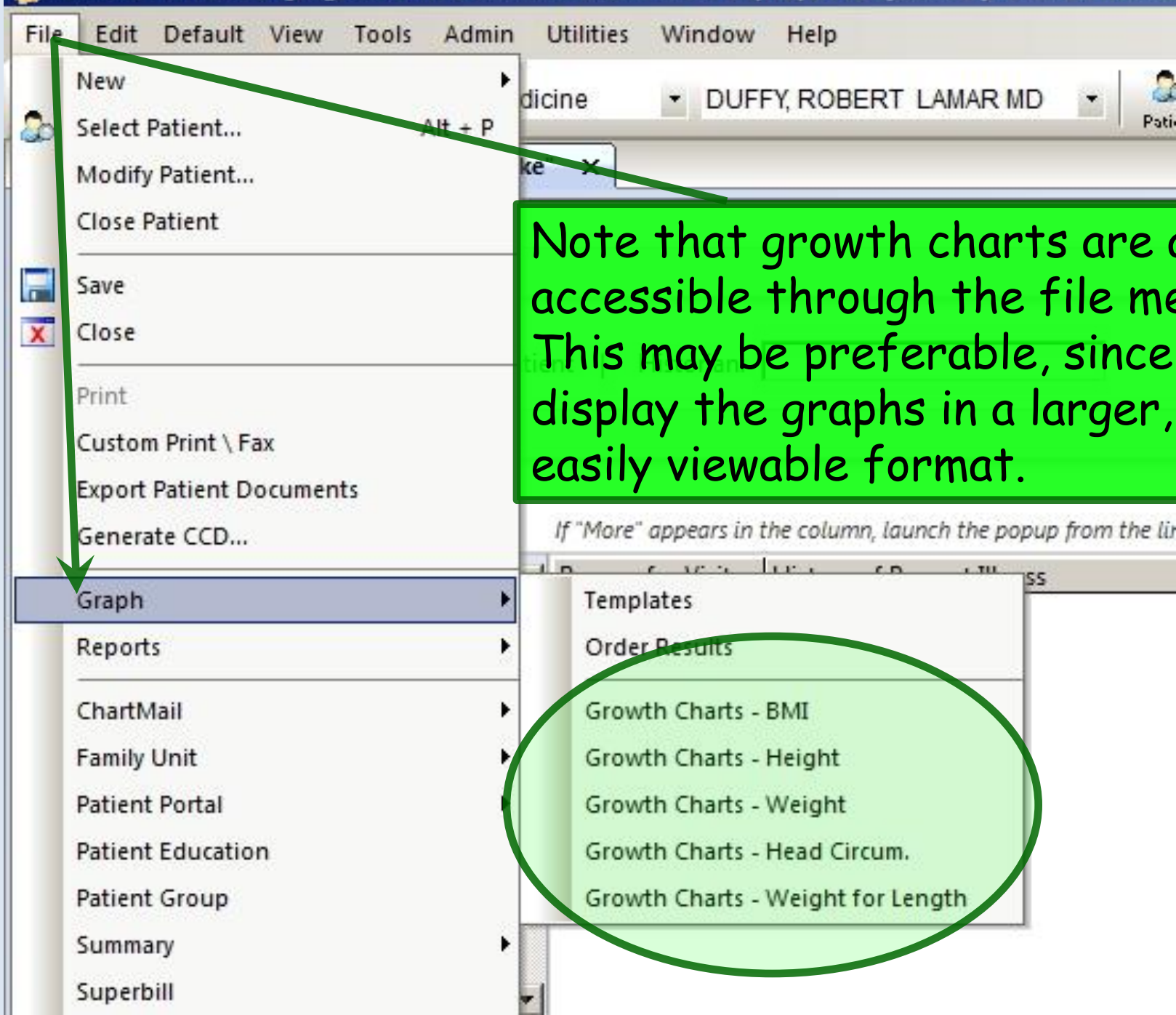
### Age vs. BMI (Girls)



Click **Close** when you're done viewing the graphs.

World Health Organization growth charts are used through age 2, changing to Centers for Disease Control after that, as currently recommended by the CDC.

Close



Note that growth charts are also accessible through the file menu. This may be preferable, since this will display the graphs in a larger, more easily viewable format.



- Detailed document
- Reviewed
- History unobtainable

Last detailed doc date:   
[Comments](#)

**Hospital course**

Vitamin K injection:  No  Yes  
 Hep B vaccine:  No  Yes  
 Hearing test:  Pass  Fail

**Antenatal**

Maternal age: EDC:   
 Gravida:  Para:   
 Prenatal care:   
 Maternal blood type:  Rh pos:  Rh neg:   
 Ultrasound:   
 Group B strep screen:  Neg  Pos  
 Antenatal labs:  No  Yes  
 Maternal illness/complications:  No  Yes  
 Maternal infections:  No  Yes

**Note also that, if the birth history records that the child was premature, premature growth charts will display for young children.**

Medications during pregnancy:

**Confidential Info.**

**Labor and delivery**

Type of delivery:   
 SGA  AGA  LGA  
 SROM  AROM  hrs  
 Apgar score:  
 1 min:  5 min:  10 min:

Time of birth: Hour:  Mins:   AM  PM Meconium:  No  Yes  
 Time of birth: Hours of labor:   
 Gestational age at birth:  wks  days  Premature  
 Resuscitation:  No  Yes

Birth weight:  lbs  oz  kgs  
 Length:  in  cm  
 Head circ:  in  cm

Stayed in NICU:  No  Yes  
 Stayed in nursery: Days:  Reason:   
 Birth defects:  No  Yes  
 State screening done:  No  Yes  
 Medication given:  No  Yes

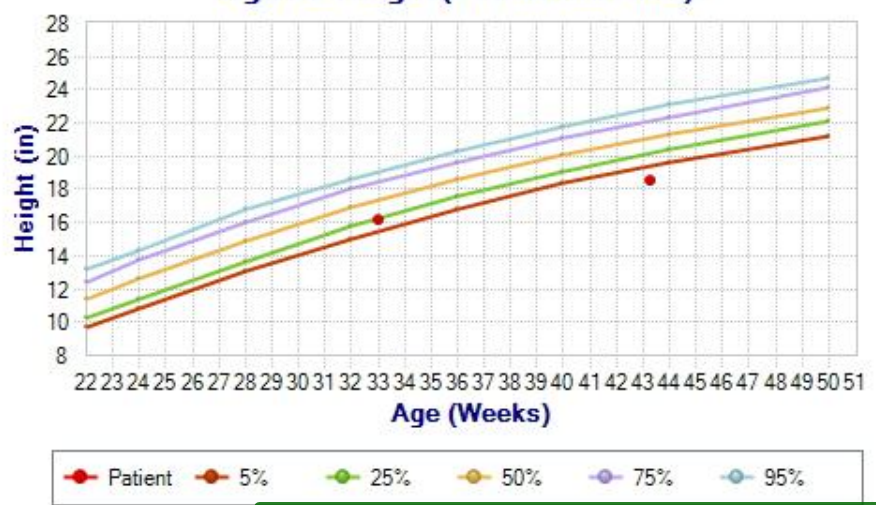
Turner's syndrome  Down's syndrome

**Discharge**

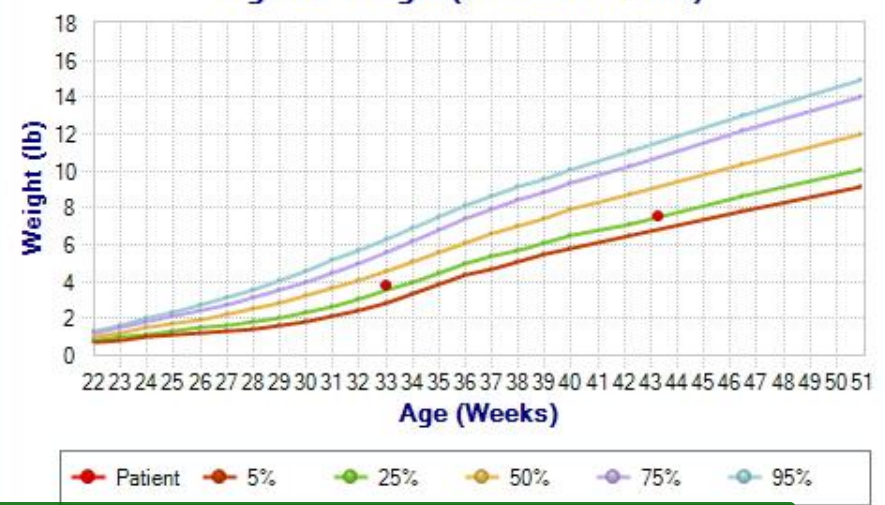
Feeding history:  Breast  Bottle  Both  
 Formula type:   
 Discharge date:  Time: Hour:  Mins:   AM  PM  
 Discharge time:  Discharge weight:  lbs  oz  
 Social service referral:  No  Yes  
 Adoption:  No  Yes  
 Follow up phone call made: Date:  Time:

[Newborn Call Template](#)

### Age vs. Height (Premature Girls)

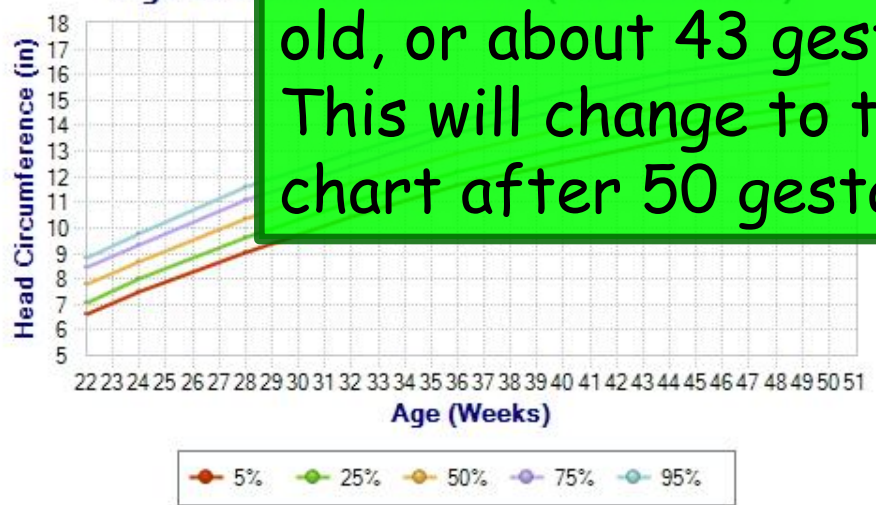


### Age vs. Weight (Premature Girls)

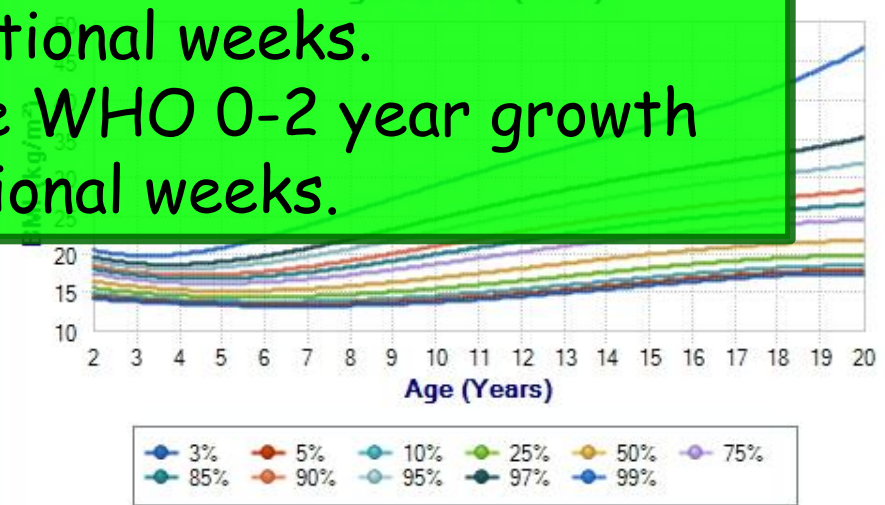


This child, born at 33 weeks, is now 10 weeks old, or about 43 gestational weeks. This will change to the WHO 0-2 year growth chart after 50 gestational weeks.

### Age vs. Head Circumference (Premature Girls)



### Age vs. BMI (Girls)



This concludes the  
NextGen vital signs demonstration.

Plan to be spontaneous tomorrow.