

**NWA Technology Conference
Pittsburgh, PA
September 22, 2011**

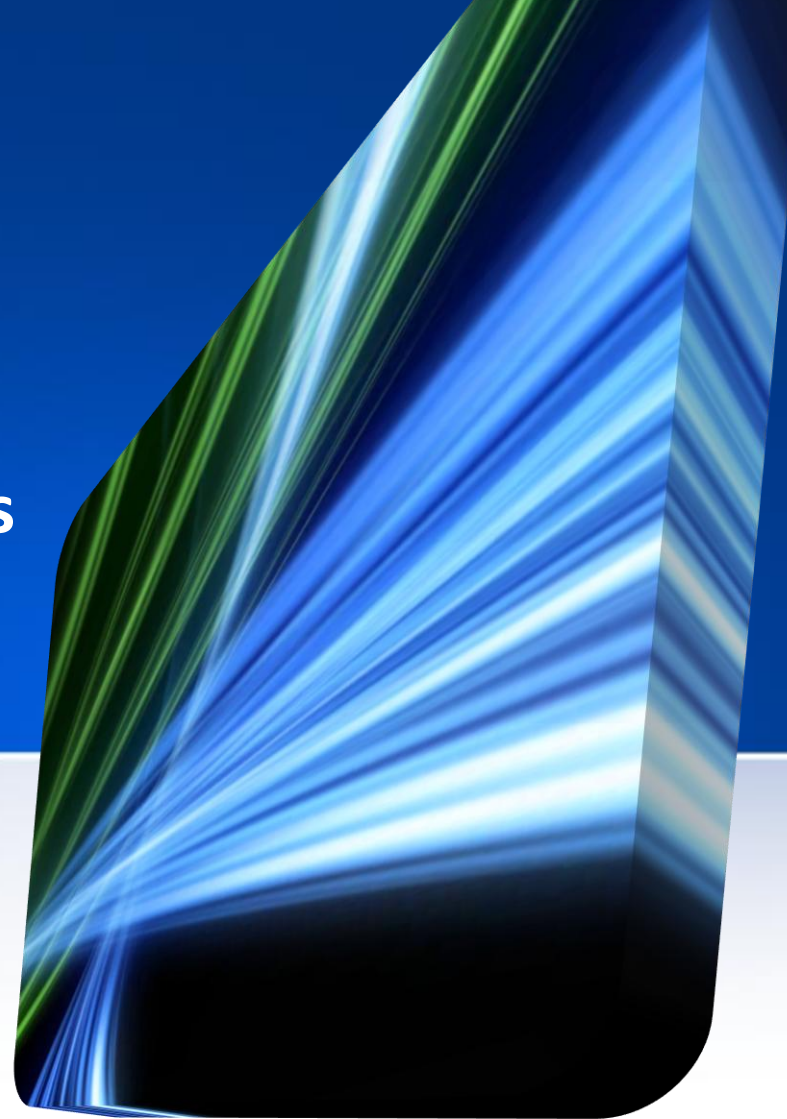
**Extended WIC Certification Periods
and New Growth Charts – Plotting
the Course**

Presenter:

Laurie Perrelli, MS, RD

Michigan WIC

WIC Systems Requirements Manager





Michigan's MIS/EBT System

Michigan's NEW MIS System – “MI-WIC”



- Web-based system
- Developed by Three Sigma Software
- Transfer from Maryland WOW system (and in Virgin Islands)
- “Michigan-ized” and EBT Online included



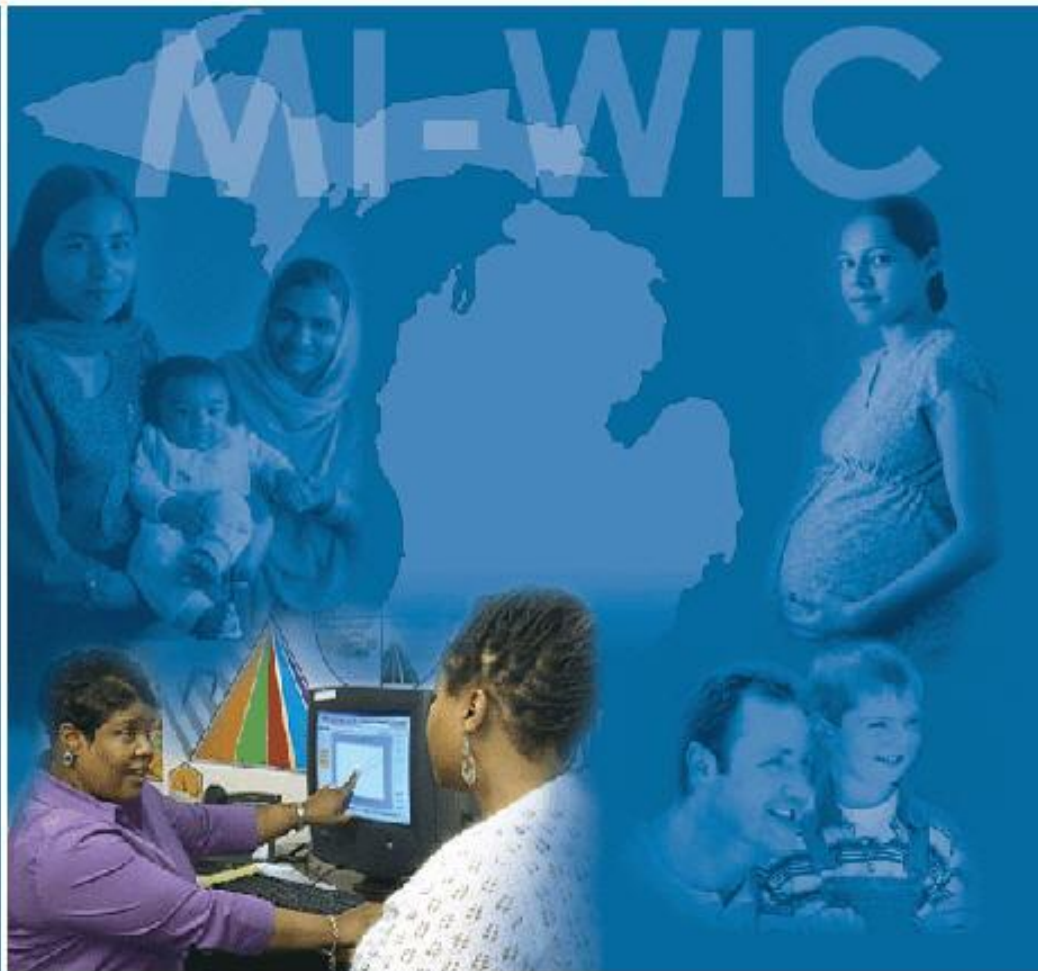
CLINIC

ADMIN

NUTRITION

VENDOR

Many documents on this site are PDF files which require the use of the free Adobe Acrobat Reader.



WIC NOTES & ALERTS

Michigan WIC
Production Server 2



Access to this system is restricted to authorized users only and limited to approved business purposes. By using this system, you expressly consent to the monitoring. Unauthorized access or use of this system is prohibited and could be subject to criminal and civil penalties. All records, reports, e-mail, software, and other data generated by this system are the property of the State of Michigan and may be used by the State of Michigan for any purpose.



**Fully implemented State-wide
in May 2009**



**How do we make changes
and what is my role?**



New Release approximately every 4 months

How do we PRIORITIZE system changes?

- USDA Mandates
 - Audit Findings
 - System Bugs
- Archiving and System Performance
 - Data Quality
- New system enhancements

The Change Process includes:



- **CRDs (Change Request Documents)**
- **JADs (Joint Application Design sessions)**
- **Development**
- **UAT (User Acceptance Testing)**
- **Release Notes and Web cast for Local Agency staff**
- **Release moved to Production**
- **Post-Release testing by State staff**



My Role

My Role: WIC System Requirements Manager

- **Registered Dietitian**
- **State WIC Nutrition Consultant**
- **System Upgrade Core Team**



System Requirements Manager works with:

- System development agencies
- Program Managers
- Program Area Leads (PALs) - SME



System Requirements Manager is the liaison between:

- WIC Division and the Systems
- Local Agency and the Systems



Will need to go through the CHANGE PROCESS for
WHO Growth Chart and Risk Changes planned
for August 2012 MI-WIC Release

Potential changes needed...

WHO Growth Chart Change




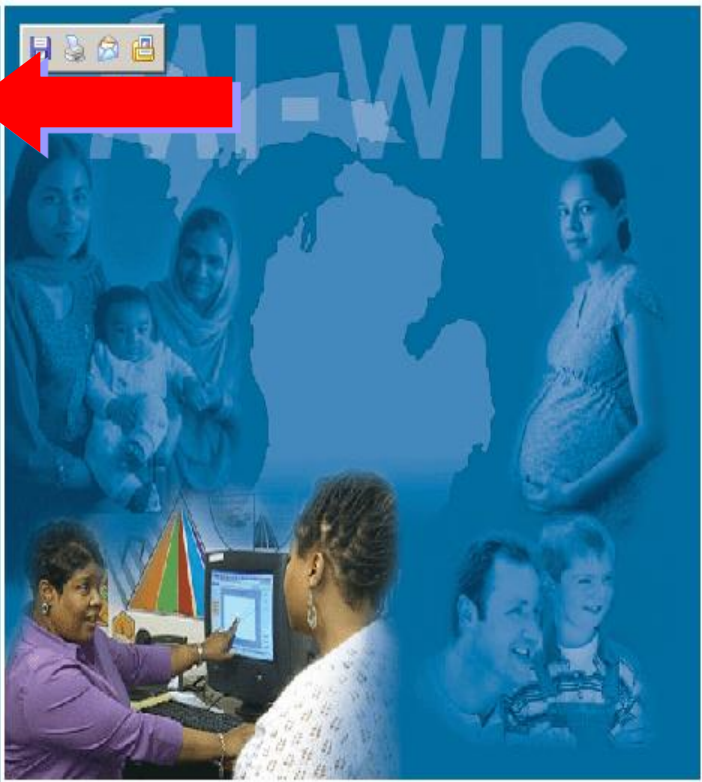
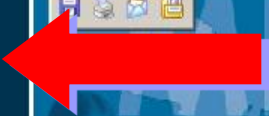
Current Growth charts in MI-WIC:

- **Automated CDC charts**
- **Automated risk assignment**
- **WHO charts and VLBW charts also AVAILABLE**




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WIC NOTES & ALERTS

Michigan WIC Test System



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Active Record

test, ibp

Cat: IFF (female)
ID: 300 866 370
DOB: 8/8/2011
Age: 1 mos, 2 wks
Cert: 08/25/11 - 08/07/12
Status: Certified

Scheduling Tasks

Guided Script

- Family Information
- Client Information
- Cert Action
- Lab
- Medical
- Nutrition History
- Nutr & Hlth Summary
- Nutrition Education
- Referrals
- Food Prescription
- Issue Benefits
- Schedule Appts
- Print Documents

Client Care

Logoff

Version: 4.9.2.50

Authorized Person: Laurie Test Family ID: 9338559
Assigned Clinic: Alcona County Office

Appointments:

Name	ID	Type	Date Time	Clinic	Alerts	Notes	Nutr
IBP Test	300 866 370				💡	📄	
C1 Test	300 866 373				💡	📄	
C4 Test	300 866 372				💡	📄	
NPP Test	300 866 371				💡	📄	
BP Test	300 866 360				💡	📄	❤️

Certifications:

Name	Birth Date	Cat	Cert Start	Cert End	Term Date	Term Reason
IBP Test	8/8/2011	IFF	8/25/2011	8/7/2012	10/24/2011	Proof not Provided
C1 Test	8/8/2010	C1	8/25/2011	2/24/2012	10/24/2011	Proof not Provided
C4 Test	8/8/2007	C4	8/25/2011	2/24/2012	10/24/2011	Proof not Provided
NPP Test	9/9/1987	NPP	8/25/2011	2/15/2012	10/24/2011	Proof not Provided
BP Test	0/0/1985	BP	8/25/2011	8/14/2012	10/24/2011	Proof not Provided

Food Packages:

Name	Food Package	Effect. Date	End Date	Ben. Start Date	BVT Date
IBP Test	IFF ENFAMIL PREMIUM POWD (...)	8/25/2011	12/7/2011	8/25/2011	10/24/2011
C1 Test	C1 MAX (INFANT CEREAL)	8/25/2011	2/24/2012	8/25/2011	10/24/2011
C4 Test	C2/C3/C4 MAX (LOWFAT MILK)	8/25/2011	2/24/2012	8/25/2011	10/24/2011
NPP Test	Custom - NPP MAX (WHOLE MI...	8/25/2011	2/15/2012	8/25/2011	10/24/2011
BP Test	Custom - DC/BP MAX (INFANT...	8/25/2011	8/14/2012	8/25/2011	10/24/2011

Past Appts. Recent NE History Auth. Person History Print

Active Record

st, agency1

Cat: C3 (female)
 ID: 300 865 956
 DOB: 6/6/2008
 Age: 3 yrs, 3 mos
 Cert: 06/06/11 - 10/13/11
 Status: Certified

- Scheduling Tasks
- Guided Script
- Client Care
- Logoff

Imms/Bloodwork **Infant/Child Height/Weight** Growth Chart

Anthropometric Data English(SAE)

Date*	Age	Height			R/S*	Weight			Head Circum			BMI	BMI/Age	Wt/Age	Ht/Ag
		in	1/16*	Unk		lbs*	oz*	Unk	in	1/16	Unk				
7/8/2011	3 y, 1 m	36	1	<input type="checkbox"/>	S	75	1	<input type="checkbox"/>			<input type="checkbox"/>	40.58	99.99	100.00	22.77
4/14/2011	2 y, 10 m			<input checked="" type="checkbox"/>	S			<input checked="" type="checkbox"/>			<input type="checkbox"/>				

Infant Premature Birth Weight*: lbs oz Unknown

Completed Weeks of Gestation:

Time Interval: Weight Change:

Height Change:

Active Record

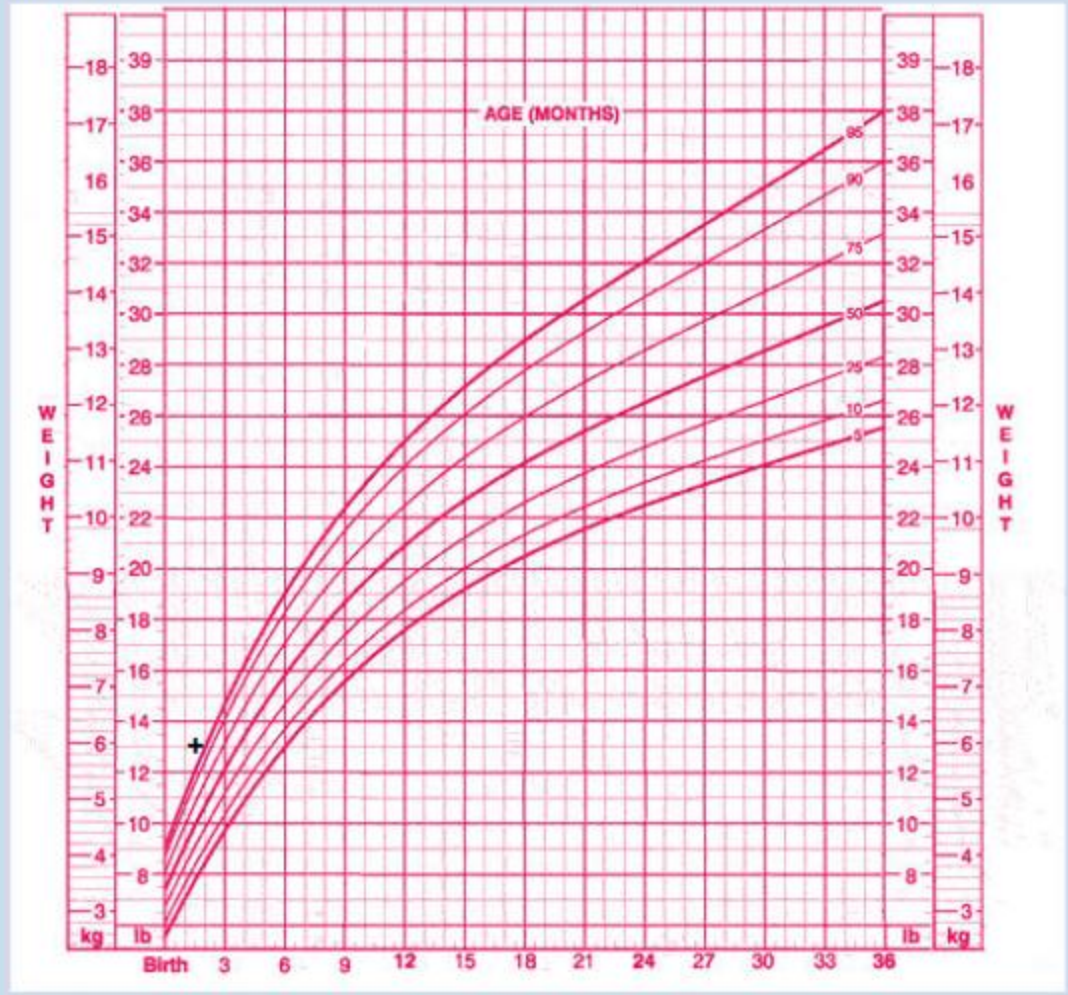
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Imms/Bloodwork Infant/Child Height/Weight

IBP TEST



Growth Chart

- Wt/Age
- Ht/Age
- HC/Age
- WT/Length

- Prev. Graph
- WHO
- Print
- Cancel
- Next

Active Record

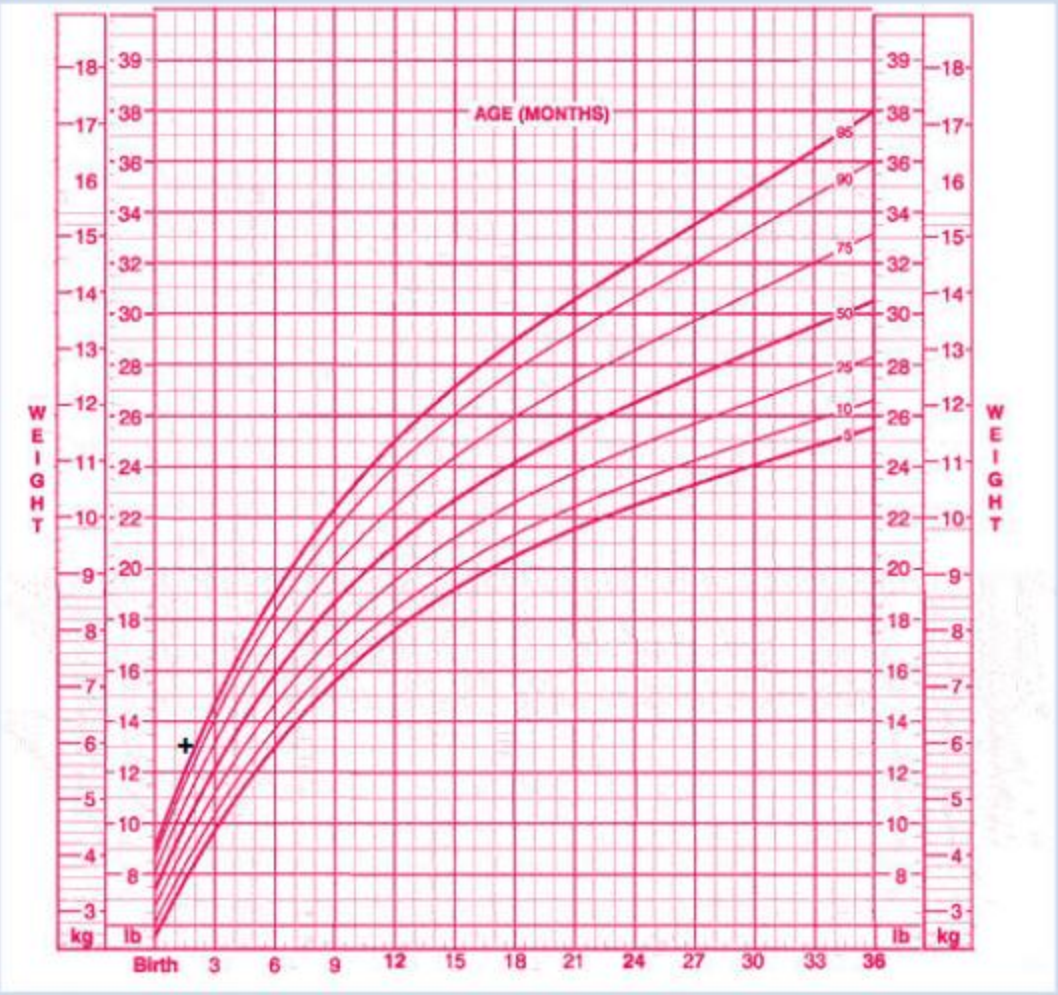
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Imms/Bloodwork Infant/Child Height/Weight

IBP TEST



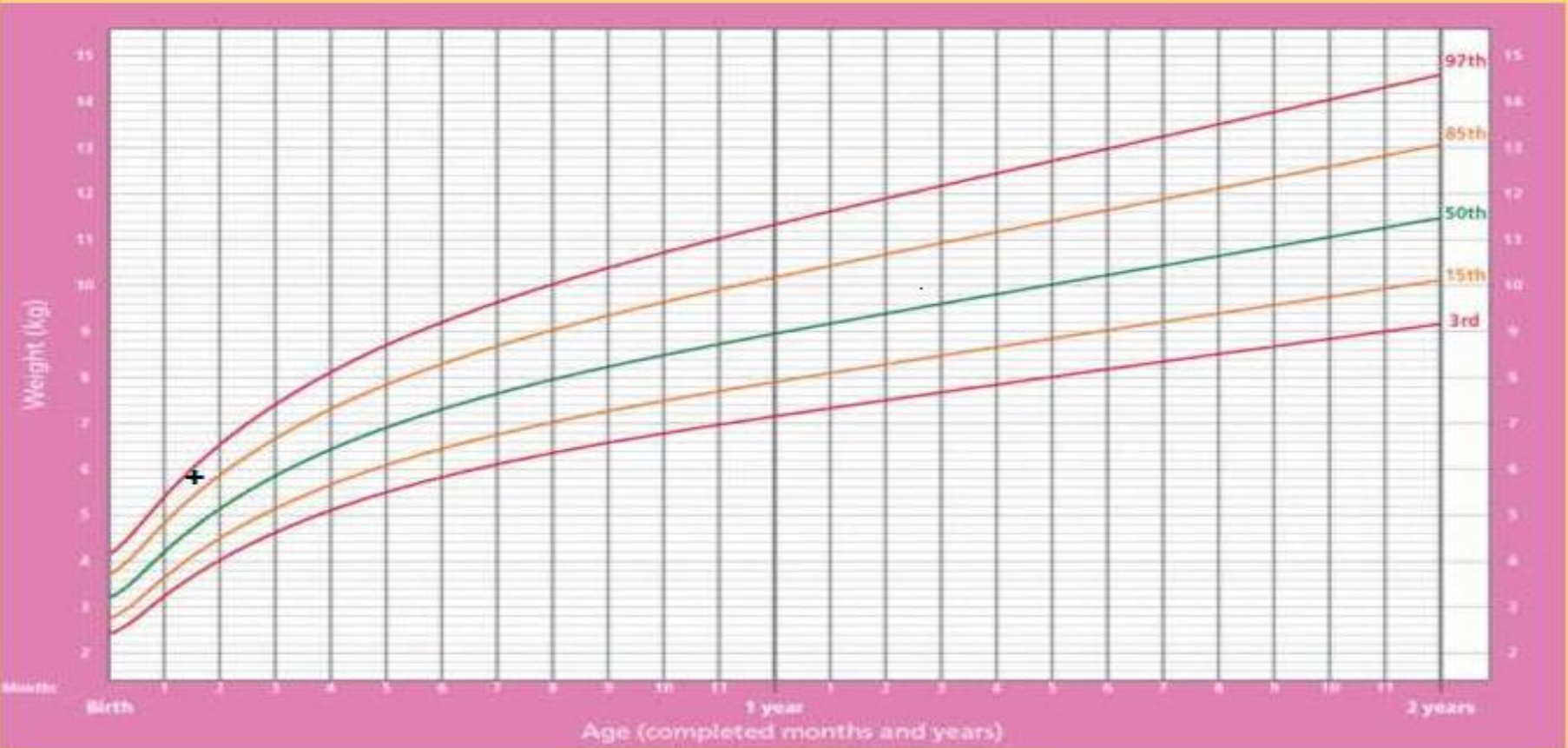
Growth Chart

- Wt/Age
- Ht/Age
- HC/Age
- WT/Length

- Prev. Graph
- WHO**
- Print
- Cancel
- Next



IBP TEST





- System calculates and displays weight for length, BMI for age, etc.
- System auto-assigns risks based on anthro data
- System displays “reason” a risk was auto-assigned



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Current		History				
Nutrition and Health Summary						
<input type="checkbox"/> Nutrition Care						
	Date	Description	Heart	Staff	Source	Reason
		Receives ongoing preventive health care including screenings and immunizations.				
<input type="checkbox"/>		Achieves a normal growth pattern.				
<input type="checkbox"/>		Growth pattern				
	9/22/2011	Short Stature (121.01)	<input type="checkbox"/>	PERRELLIL	SYSTEM	Reason
		Remains free from nutrition or food-related illness, complications, or injury.				
<input type="checkbox"/>		Consumes breast milk and/or iron-fortified infant formula and other foods as developmentally appropriate to meet energy and nutrient needs.				
<input type="checkbox"/>		Nutrition Practices				
	8/25/2011	Complementary Feeding Process (428.01)	<input type="checkbox"/>	PERRELLIL	SYSTEM	Reason
		Establishes a trusting relationship with parent(s) that contributes to positive feeding experiences.				
		Other				

Add Remove

Show Regression Risk Assign Risks Save Cancel Next



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test, ibp

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 Status: Certified

Current **History**

Nutrition and Health Summary

Nutrition Care

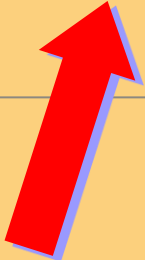
Date	Detailed Description	Staff	Source	Reason

Risk Reason Dialog -- Web Page Dialog

Risk Reasons

Risk Reason Description					
Short Stature					
	Reference Area	Value Low	Value High	Add Low	Add High
Category Code		IBE	C4		
Height Percent		.001	10		

Close



- Scheduling Task
 - Guided Script
 - Family Information
 - Client Information
 - Cert Action
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 - Medical
 - Nutrition History
 - Nutr & Hlth Sum
 - Nutrition Educa
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Show Regression Risk Assign Risks Save Cancel Next

Version: 4.9.2.50

Type a question for help

Design New Slide

Slide Layout

Apply slide layout:

Text Layouts

Content Layouts

Text and Content Layouts

Show when inserting new slides



That is the CURRENT system:

Growth Chart Changes planned for August 2012
MI-WIC Release

Potential changes needed...



- “Revisit” the existing MI-WIC WHO charts
- Default age 0 – 2 to WHO chart
- Move CDC Birth – 36 months to “Previous chart”
- Hide/Remove CDC Birth – 36 months for new WIC clients
- Decide if it should display for age 2 – 5 also

Growth Chart Changes planned for August 2012 MI-WIC Release – Potential changes needed:



- Change the automated risk assignment rule to match the new cut-offs (2.3 and 97.7 %iles) FOR 0 – 2 years
- Change the risk terminology from “Obese” to “High Weight for Height”
- Update the BIV’s for this age group

CONT'D: Growth Chart Changes planned for August 2012 MI-WIC Release – Potential changes needed:



- Train on the new charts – interpretation, transition to 2 – 5 CDC charts, discontinued use of recumbent measures for 24 – 36 months
- Change policy to reflect all changes to charts AND risks
- Update system User Manual and Help Files to reflect all changes
- Discuss impacts of the transition period; parent education, CDC recalculating 2010 PedNSS



How do we plan for CHANGES?

One Year Certificatons



- **Draft Guidance to include children received May 2011**
- **Michigan comments**
- **Final Guidance received August 2011**



Potential Impacts

Michigan already has one year certification for infant and breastfeeding women with system generated cert end date

- Change automated cert end date for children
- Add an “mid-assessment” appointment type and functionality for children, to mirror that for infants
- Policy changes



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 Cert: 08/25/11 - 08/07/12
 Status: Certified

- Scheduling Tasks
- Guided Script
- Client Care
- Logoff

Present for Cert:

Reason not present:

Cat	Cert Start	Cert End	Cert Reason	Term Reason	Term Date	Not
IFF Infant Formula Fed	8/25/2011	8/7/2012	Certification	Proof not Provided	10/24/2011	Sho





Active Record

test, ibp

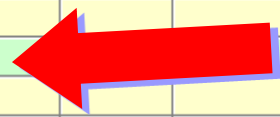
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 DOB: 8/8/2011
 Age: 1 mos, 2 wks
 Cert: 08/25/11 - 08/07/12
 Status: Certified

- Scheduling Tasks
- Guided Script
- Client Care
- Logoff

Clinic: 010101 Alcona County Office **Go**

	Client Name	Cat	Sched Cat	New Appt	Dur	Type	Date Time	BVT	Cert End	Term Date	
	IBP Test	IFF	IFF					10/24/2011	8/7/2012	10/24/2011	Pr
	C1 Test	C1	C1					10/24/2011	2/24/2012	10/24/2011	Pr
	C4 Test	C4	C4					10/24/2011	2/24/2012	10/24/2011	Pr
	NPP Test	NPP	NPP					10/24/2011	2/15/2012	10/24/2011	Pr
	BP Test	BP	BP					10/24/2011	8/14/2012	10/24/2011	Pr
	Laurie Test	PG	PG					10/24/2011	1/23/2012	10/24/2011	Pr

- CERT
- EDU
- IEVAL
- NCRD
- OTHER
- PCERT
- PFRESH
- RECERT



Start Date: 12/6/2011 End Date: 1/5/2012 Start Time: 07:00 AM End Time: 09:00 PM

Sun Mon Tue Wed Thu Fri Sat

Topic: **Search**

Total Duration:

- Future Appts.
- Past Appts.
- Cancel
- Next



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Current | **History**

Nutrition and Health Summary

Nutrition Care

	Date	Detailed Description		Status	Source	Reason
		Receives ongoing preventive health care including screenings and immunizations.				
		Achieves a normal growth pattern.				
		Growth pattern				
	9/22/2011	Short Stature (121.01)	<input type="checkbox"/>	PERRELLI	SYSTEM	Reason
		Remains free from nutrition or food-related illness, complications, or injury.				
		Consumes breast milk and/or iron-fortified infant formula and other foods as developmentally appropriate.				
		Nutrition Practices				
	8/25/2011	Complementary Feeding Process (428.01)	<input type="checkbox"/>	PERRELLI	SYSTEM	Reason
		Establishes a trusting relationship with parent(s) that contributes to positive feeding experiences.				
		Other				

Add **Remove**



IF NEW
 Cert
 period old
 risk would
 go to
 history