

The Value of Utilization of an Electronic Health Record in the Provision of Services and in Quality and Data Management in a SBHC

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Presenter Disclosures

Dr. Elizabeth Philippe Adma Wilson-Romans ARNP Beatriz Fernandez RN, MBA

No relationships to disclose

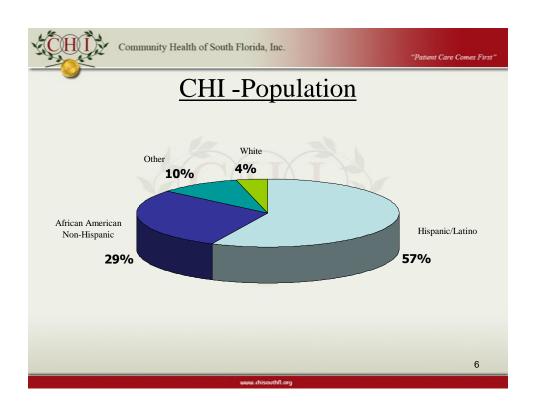
Outline

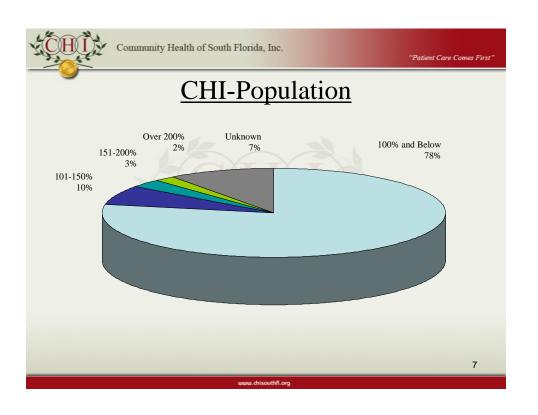
- Community Health of South Florida Inc.
- CHI Collaboration with Health Choice Network
- CHI-School Based Program
- EMR Overview
- EMR Snapshots
- Case Study
- Advantages vs. Disadvantages
- Data Management
- Conclusion
- Questions

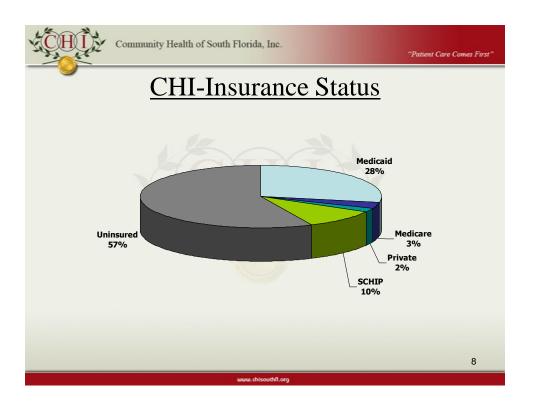


- Federally Qualified Health Center (FQHC)
- 38 years in business
- Population we serve
- Over 65,700 unduplicated users
- Services

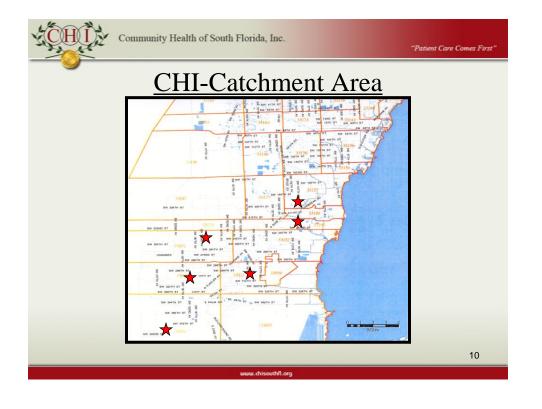














CHI-SBC

- Operated School Based Centers (SBC) since 1994
- Currently operating 27 SBC in Miami Dade County
- 26 SBC funded by The Children's Trust (TCT)
- Health Choice Network (HCN) in 2007 awarded contract to oversee school health services in 78 Miami-Dade underserved schools* HCN in direct contract with TCT

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CHI-SBC

• Dorothy M. Wallace Cope South Center

A full service health center providing primary care, pediatric, dental, OB/GYN services including case management and behavioral health care services to pregnant teens and their infants. Staffing for this SBC service site includes: 1ARNP, 1LPN, 1PCT, 1 PFSS



CHI-SBC



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CHI-SBC

- Dorothy Wallace Cope South
- G. Holmes Braddock Senior High
- Jane Roberts K-8
- Bowman Foster Ashe Elementary
- John Ferguson Senior High
- · West Miami Middle
- Flagami Elementary

- Campbell Drive Elementary
- Campbell Drive Middle
- West Homestead Elementary
- South Dade Senior High
- Robert Russa Moton Elementary
- Colonial Drive Elementary
- William A Chapman Elementary
- HA Ammons Middle



CHI-SBC

- Southwood Middle
- Perrine Elementary
- Howard D. McMillan Middle
- Royal Green Elementary
- Florida City Elementary
- Redondo Elementary

- Avocado Elementary
- Homestead Middle
- Leisure City K-8
- Airbase Elementary
- Laura C. Saunders Elementary
- Homestead Senior High

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CHI-SBC

- Staffing model per school:
 0.5 ARNP,1 Health Aide and 0.5 Social Worker
- Health Services provided
- Every student will have a comprehensive EMR that will integrate clinical information across the continuum of care to improve care delivery and patient outcomes.
- EMR used by health teams





HCN

• HCN is large, integrated network of 54 Community Health Centers

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- BOD committed to EMR:
 - Improve Quality of Care
 - Reduce costs
 - Reduce risk
- EMR initiative began in1996
 - Currently functionalities of EMR across 20+ CHCs

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HCN

- 45+ users in SBC on EMR system
 - Many of whom were new to computers
- Distribution of desktops/ laptops & user licenses
- Wireless set-up in clinics
- HCN development of training manuals and staff training



SBC-EMR

- Development of SBC EMR forms
- Form development required multi-disciplinary team approach
- Focus group of SBC staff
 - CHC SBC coordinators
 - HCN and CHC Medical Directors, Program Evaluation, Implementations, Informatics, Training, Hardware and Software Support
- Ongoing changes to improve outcomes of EMR

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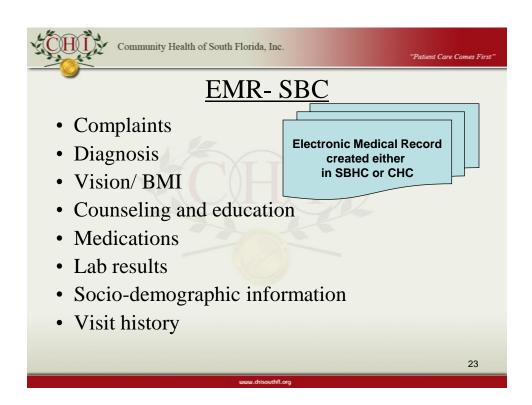


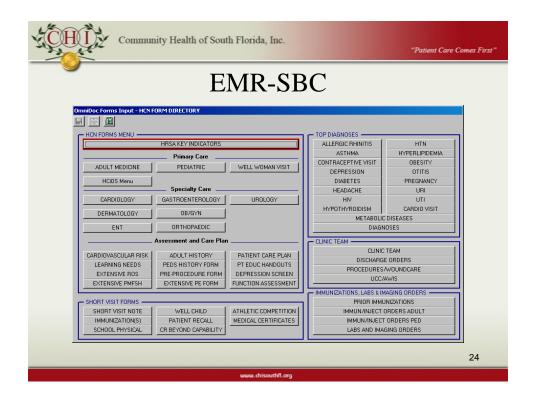
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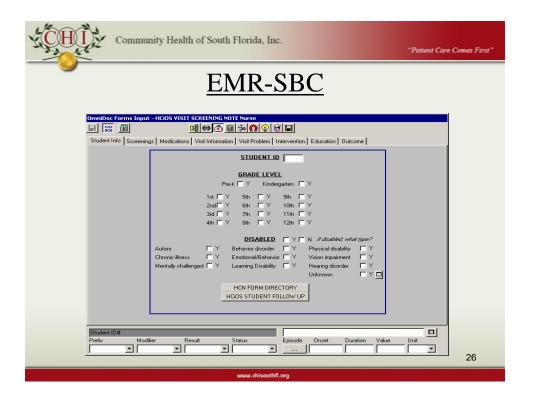
SBC-EMR

• OmniDoc- A windows- based system that automatically generates progress notes in a user friendly, graphical user interface environment.

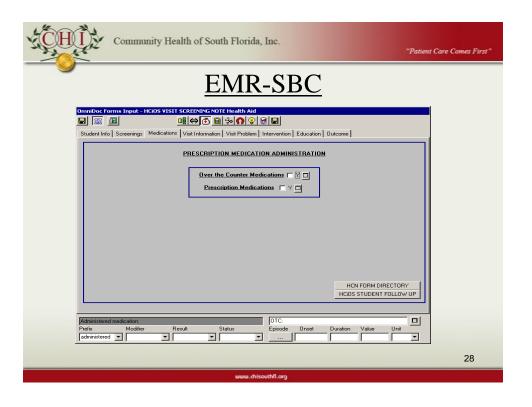




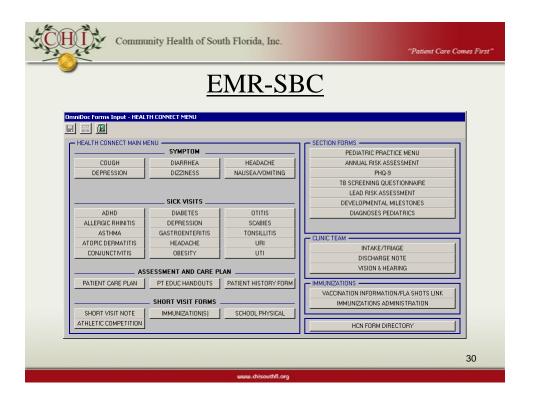
COmmunity Hea	alth of South Florida, Inc.	"Patient Care Comes First"
	EMR-SBC	
Omniboc Forms Input - HCiOS		
	ARNP/PA Social Worker Nurse Health Aid CLINIC TEAM HCIOS FOLLOW UP	
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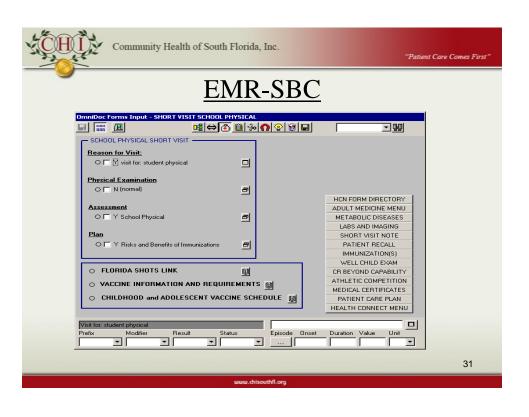


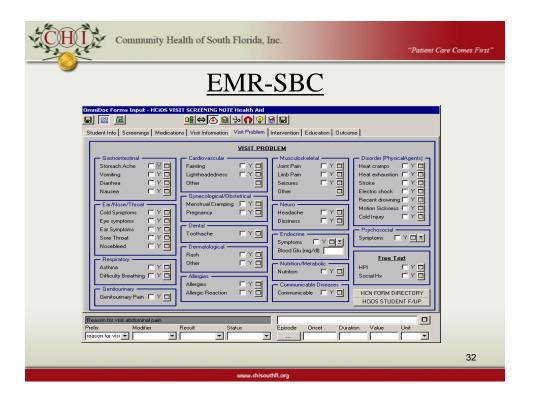
			<u>EMF</u>	R-SB	<u>C</u>			
	rms Input - HCiO		ING NOTE Nurse					
Student Info	Screenings Med		ormation Visit Probler		cation Out	come		
			SCREE	NINGS				1
He We BM Per Re Re Und Hig Lef Coo	T FOR BMI ight (cm) ight (cm) ight (bs) [l (kg/m2) centile feral recommended ferral complete T FOR VISION corrected int: 20/ trected int: 20/ ferral recommended		VISIT FOR HYP Screening exam Recommended f/u VISIT FOR DENI Dentition in Poor Rep Recommended f/u VISIT FOR PEDIC Screening Lice in The Hair Recommended f/u	AL Pair Y N	Recor Revie	FOR IMMUNIZ mended f/u w Immunizations rida Shots Link coine Schedule HCN FORM I HCNS STUDEN IMMUNIZATI IMMUNIZATI	DIRECTORY IT FOLLOW UP ON ORDERS	
	ferral complete ening for hypertensi Modifier	on Result	Status	Episode On	set D	uration Value	Unit	



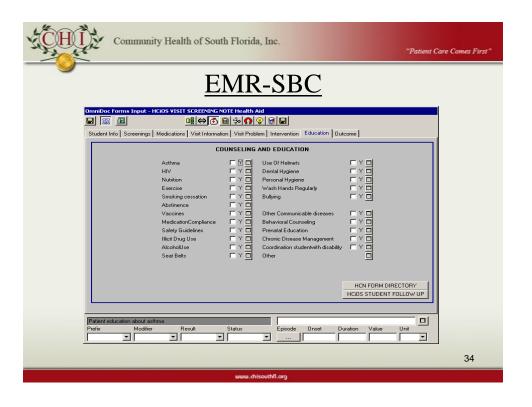
Classoom Y Auditorium Y Restroom Y Re		<u>EMR</u>	<u>-SBC</u>
Teacher			₽ 6 1
Health	Self HCioC Peer	□ Y □ Student services staff □ □ □ Y □ Parent/family member □ Y □ Y □ Administration/Office □ Y □ Y □ Other □ Y	Classroom
	Health At-risk		Accidental



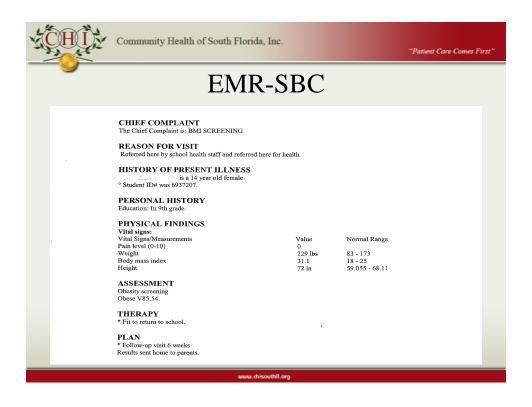


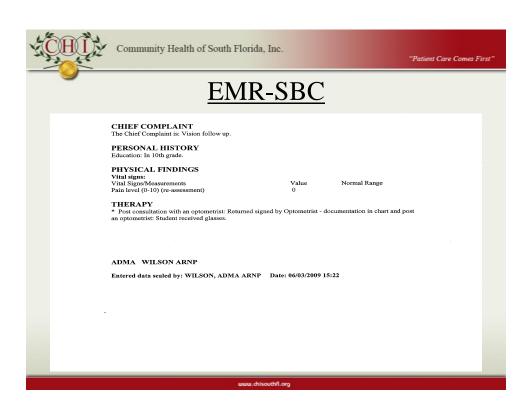


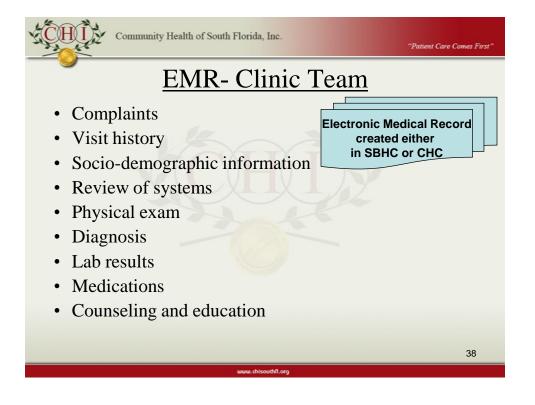
CHI Community Health of South Florida, Inc.	Care Comes First'
EMR-SBC	
OmniDoc Forms Input - HCiOS VISIT SCREENING NOTE Health Aid	
Student Info Screenings Medications Visit Information Visit Problem Intervention Education Outcome INTERVENTIONS	1
Health Aid Evaluation Health Aid Follow Up Encounter Consultation With Parents Consultation with School Staff Health Education (# of classes) Health Education (# of classes)	
Rody part injury Injury Type Other: Head Y Face Y Bleed Y Cut Y Choking Y Mouth Y Nose Y Wound Y Blister Y Chest pain Y Neck Y Am Y Splinter Y Bke Y Pregnancy Y Chest Y Bur Y Shock Y Seizures Y Ankle Y Foot Y Stab/Gun Shot Y Overdose Y Other Y HCN FORM DIRECTORY HCNS STUDENT FOLLOW UP	
Visit for general multisystem exam	
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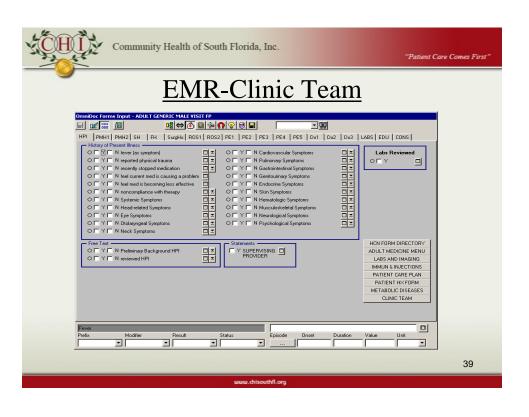


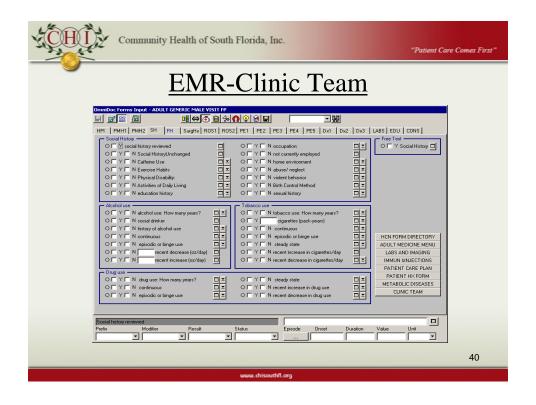
REFERRED TO New CHC Medical home M Honelessness Y Return To Class Y Return		EMR-SI SCREENING NOTE Health and SCREENING NOTE Health and SCREENING NOTE Health and Vist Information Vist Problem Intervention Vist Information Visit Information Visi		
Prefix Modifier Result Status Episode Onset Duration Value Unit	New CHC Medical home Regular PCP HGDC Nevigator Kidcare mental health counseling y chool speech pathologist domestic violence Abuse Registry M-DCPS TRUST specialist Y checking Healthy Start	Homelessness Substance Abuse Counseling: Alcohol Substance Abuse Counseling: Tobacco Substance Abuse Counseling: Tobacco Substance Abuse Counseling: Tobacco Guidance Counselor HCEY Nursing Assessment Y Other	Return To Class Sent home Y Se	
	Prefix Modifier Re	sult Status Episode	Onset Duration Value Unit	

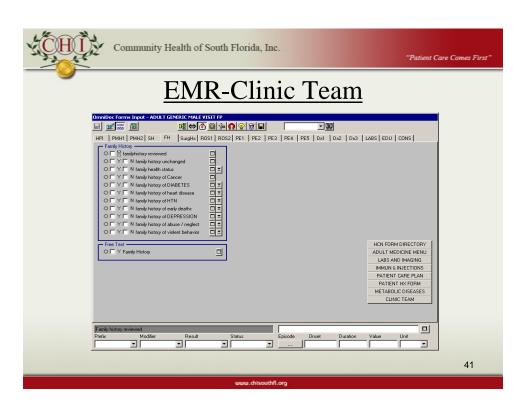


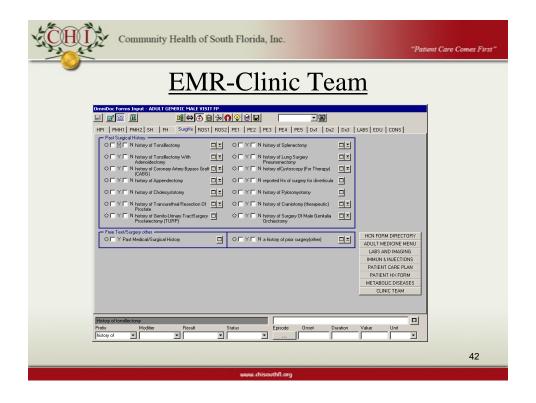


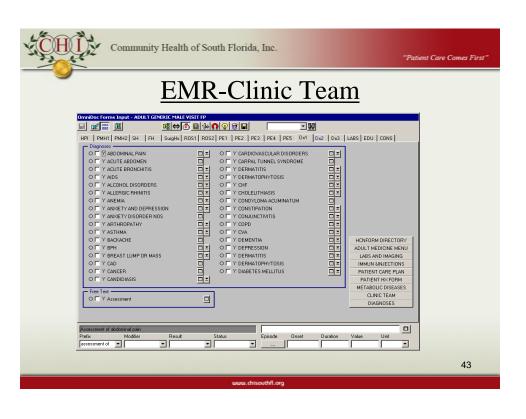


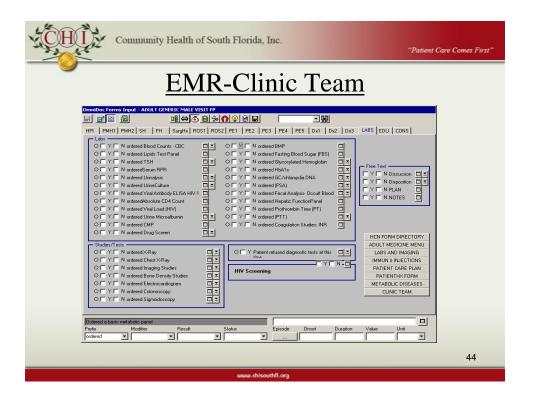


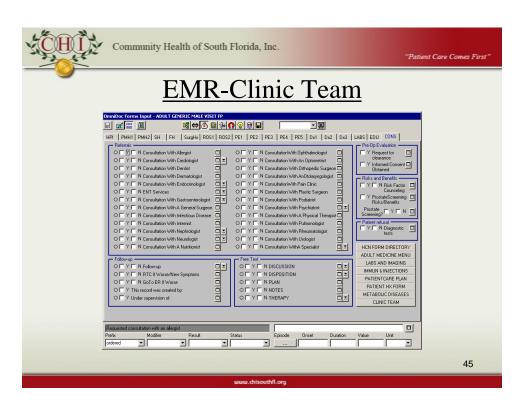


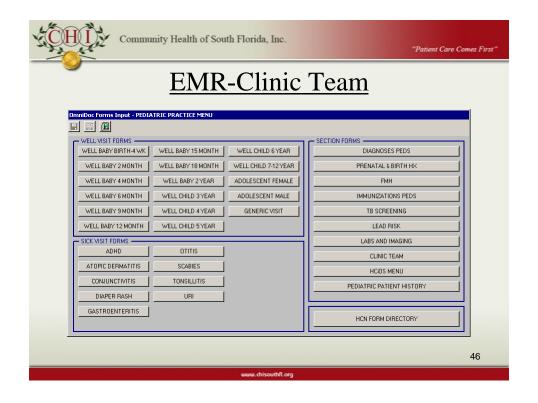


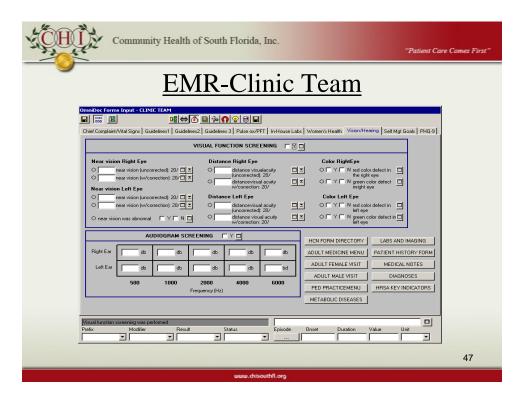


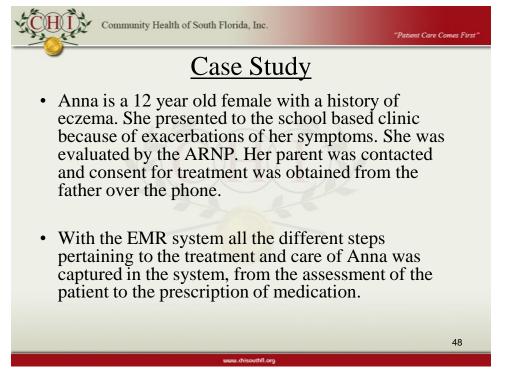














Case Study (con't)

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• Ana was later referred to her PCP in the established CHI clinic. At the follow up visit with the pediatrician, it was easier to complete the follow up and add on to the care the child needed.

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EMR -Advantages

- Share patient information everywhere assessment, diagnosis and treatment decisions occur
- Reduce costs by shortening billing cycles and other core administrative and clinical operations, including storage and copying costs of medical records
- Direct data entry by clinicians and staff greatly reduces transcription costs

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- Higher quality documentation
- Document visits to a consistent level of quality/service
- Improve the accuracy of coding at the appropriate level
- Minimize the issues of incorrect or conflicting drug prescriptions
- HIPPA requires better, more complete, secure and audible medical records

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