

## CLUE Minutes –September 12, 2006

*Attendees: Judy Tucker, Geri Wright, Joanie Tyson, Mary Pippen, Karen Watson, Dana Mosier, Barbara Williamson, Margie Agnew, Melissa Smith, Mary Schiller, Faye Tripp, Judy Cartwright, Bobbie Bonnet, Cyncere Neal, Val George, Karen Allen, Rhonda Bullock, Donna Boykin, Wanda Goodson and Roy Newton*

### Clinical Content Info

**New Clinical Content:** NONE

### Revised Clinical Content:

- **Adult Immunization IMM Hx Revision:** Immunization for HPV now included. (See attached) **Effective date: 9/18/2006**
- **Pediatric Immunizations Revision:** Immunization now include DT series. (See attached) **Effective date: 9/18/2006**
- **Pediatric Pulmonary Tests and PFT:** Result fields for % Predicted FEV1/FVC, % Predicted FEF 25-75%, and % Change FEF 25-75 added. (See attached) **Effective date: 8/21/2006**
- **Chemo Orders Revision:** includes option for entering antiemetic prescriptions and internet resource for chemo meds. **Effective date: 9/1/2006**
- **SHS Immunization Administration:** VIS dates and field for HPV and Yellow Fever immunizations are added. **Effective date: 9/18/2006**
- **SHS MSK; Upper and Lower Extremities forms:** revised to include additional documentation and procedures. **Effective date: 9/21/2006**

### Other

- **Quest Diagnostics/lab orders:** Quest labs orders may be entered in and printed from Centricity. There is only one general Custom List, 'Quest Focused Tests' orders with tests listed alphabetically (see attached). If additional Custom lists in specific clinics are needed, please contact Joanne Tyson in HISS. Quest lab test orders are noted with a 'Q'. Prompting for preferred lab service based on insurance provider is effective with this change. Quest representatives, Jackie Carlson and Clay Gipson presented information about their lab services. Catalogs and reference books were distributed to clinical areas present. Ms Carlson will be in contact with each clinic site with more information about Quest services. **Orders Effective September 13, 2006.**
- **Mammogram data entry:** Mammogram reports from Eastern Radiology will be scanned directly into Centricity to include data population of results. Workflow for physicians signing now included review of results with data entered. **Official (See attached) Effective by October 1, 2006**
- **Quick Text 'VIS':** accesses CDC web site for VIS data.
- **Immunization Report date:** The current date of report for Immunizations is 9/1/06. This report date will change to 9/18/06 when the additional immunizations are added

### Tips of the Month and other Reminders

- **VIS:** Please review VIS dates for distribution and on CDC site periodically. Please contact Judy Tucker in HISS to change any dates on the immunization forms with updated dates.
- **Final Signatures for preceptors when there are appends:** Please make sure that the original document, not the 'Append', is highlighted when signing office visit documents for residents. If the italicized 'Signed' does not change to regular font, the office visit has not been signed.
- **Lab orders:** Please note that labs ordered (via Centricity or paper) by ECU providers but drawn 'off site' may not be returned via interface. Labs drawn at PCMH (ED, Preadmission) are returned via interface as 'courtesy copies' and are imported as signed and not directed to a desktop for review.
- **CCC license notification:** User access notices about CCC licensure expiration should be resolved when restarting Centricity. Contact HISS if this message continues to appear after restarting

### Other Issues, Questions and Discussion

- **Unsigned documents:** August was best month this year for unsigned documents! Keep up the good work!!
- **Midlevel countersignatures:** no longer required for extenders with more than 6 months experience. Less than 6 months experience will still require a countersignature. Each department should notify HISS of the extenders' experience status when requesting access for the employee.
- **PCMH Transcriptions interface into Centricity. Start date: September 6, 2006** - Documents from PCMH, primarily Discharge Summaries, Admission H&Ps, and Op Reports, will directly interface into patient charts (not desktops) in Centricity. Once the interface is implemented, these documents will be imported only after being 'signed' by the responsible provider in the hospital system so that access may be delayed. Paper copy distribution by the hospital will be discontinued. Access to 'pre-signed' reports will be available ONLY through the hospital system.
- **On line resource for Centricity training:** Demo of new program will soon be available on our web site. This voice activated program with screen prints allows users to access specific training and workflow modules for Centricity. Users may use the program to enhance orientation training or refresh knowledge as needed.
- **E Resource update:** The Centricity internet 'E Resource' page continues to be revised. Please let Joanne Tyson or Jay Davis know if there are special requests or changes.
- **New HISS Director:** A new Director, Mary Thompson, currently managing the Halifax County Hospital's Medical Records, assumes the lead position in HISS on Monday, August 28, 2006. We welcome Mary to our department.
- **OTHERS?**

### Where we're going...

- **Eastern Radiology: pursuing access to images and reports via internet link**
- **Billing Orders pilot – local lab billing FMO-scheduled for Go Live in August**
- **Pilot billing project in process at FM**
- **Revised IDX/Centricity Interface**

**Next meeting: 8:00 am, Tuesday, October 10, Brody 2E100.**

## Adult Immunizations HPV Revision

The three page Adult Immunizations form, found in the Immunizations folder is used primarily to document immunizations given during an encounter. Click the appropriate radio button to access the documentation fields for each of the vaccines. The 'Given by' button enters the name of the user automatically into the field. An exact date for the 'Date given' must be entered and then the 'Record' button is clicked to populate the flowsheet. Historical data may be recorded by only entering the date field and clicking the 'Record' button. When an exact date is not known a '1' is entered for month or day value. The second page is other miscellaneous vaccines given primarily in the Travel Clinic. The third page is a flowsheet view so the user may review previous entries data. A 'Change Flowsheet' button is included to make corrections or changes to data as needed.

Fields for the new vaccine (a series of three) for HPV has been added. The date of administration fields for each in the series is also added to the IMM History form, flowsheet, handouts, and letters.

**IMM Adult: Shiela P. Mateo**

Adult Immunizations | Other Vaccines | Flowsheet

### Immunization Administration Record

Record the REQUIRED information for EACH immunization given. Click the 'Record' button for each date entered to populate the flowsheet.

**Immunization History**

Immunization	HPV #1 Dose: 0.5 ml
<input type="radio"/> HEP B#1	HPV #1 Rte & Site: <input type="text"/>
<input type="radio"/> HEP B#2	HPV #1 given by: <input type="text"/>
<input type="radio"/> HEP B#3	HPV #1 Date given: <input type="text"/> <input type="button" value="Record"/>
<input type="radio"/> HEP B#4	HPV #1 Lot No: <input type="text"/>
<input type="radio"/> Hep A#1	HPV #1 Mfr: <input type="text"/>
<input type="radio"/> Hep A#2	Other Information: <input type="checkbox"/> Screened for sensitivities
<input type="radio"/> Twinrix #1	<input type="checkbox"/> Consent signed
<input type="radio"/> Twinrix #2	
<input type="radio"/> Twinrix #3	
<input type="radio"/> TD BOOSTER	
<input type="radio"/> Tdap	
<input type="radio"/> FLUVAX	
<input type="radio"/> PNEUMOVAX	
<input type="radio"/> MMR Booster	
<input type="radio"/> Menactra	
<input type="radio"/> Meningoc Vac	
<input checked="" type="radio"/> HPV #1	
<input type="radio"/> HPV #2	
<input type="radio"/> HPV #3	
<input type="radio"/> HemInfB #5	

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

## IMM History

**IMM History: Walter S. Caldwell**

### Immunization Record

**Commit to flowsheet**

This form is to document previously administered immunizations and TB-PPD result.

Select the immunizations that the patient received. Enter an exact date the immunization was given. If the exact date is unknown, enter "1" for the month and day value.

Once date values are entered for all immunizations to be recorded, click the 'Commit' button above.

Review and change/correct by clicking 'Update Flowheet' button.

**Update Flowsheet**

Immunization	HPV #1:	HPV #2:	HPV #3:
<input type="radio"/> DPT/DT	<input type="text" value="02/01/2006"/>	<input type="text" value="04/11/2006"/>	<input type="text" value="08/01/2006"/>
<input type="radio"/> DTP/HIB			
<input type="radio"/> DTAP			
<input type="radio"/> FLUVAX			
<input type="radio"/> HIB			
<input type="radio"/> HEPAVAX			
<input type="radio"/> HEPBVAX			
<input checked="" type="radio"/> HPV			
<input type="radio"/> MENINGCO			
<input type="radio"/> MMR			
<input type="radio"/> PCV7			
<input type="radio"/> Pediarix			
<input type="radio"/> PNEUMOVAX			
<input type="radio"/> Polio			
<input type="radio"/> RABIES			
<input type="radio"/> Rotavir			
<input type="radio"/> Td/Tdap			
<input type="radio"/> VARICELLA			
<input type="radio"/> Other			

TB-PPD:  Date:  **Record PPD** Performed by:

**Prev Form (Ctrl+PgUp)** **Next Form (Ctrl+PgDn)** **Close**

## Pediatric Immunization Administration Form

The three-page Pediatric Immunizations form component, found in the Immunization form component folder is used to document the standard Pediatric immunizations. The information is entered for each immunization by clicking the specific radio button. Buttons are available to enter today's date and the user name if appropriate.

The screenshot shows the 'Pediatric Immunizations: Walter S. Caldwell' window. The 'Immunizations' tab is active. The 'Immunization Administration Record' section is visible. On the left, there is a list of immunization types with radio buttons: DTAP #1-4, Hep B #1-3, IPV #1-4, Pediarix #1-3, and PCV7 #1-4. The 'Pedvax HIB' section is selected, and 'Pedvax HIB #3' is the chosen option. The right side of the form contains fields for 'Pedvax HIB #3 0.5 cc IM Site:', 'Pedvax HIB #3 date', 'VIS date: 12/16/98', 'Manufacturer:', 'Lot #:', and 'Given by:'. A 'Comments:' text area is also present. At the bottom, there are buttons for 'Prev Form (Ctrl+PgUp)', 'Next Form (Ctrl+PgDn)', and 'Close'.

The second page is used to document additional pediatric immunizations.

The screenshot shows the 'Pediatric Immunizations: Walter S. Caldwell' window with the 'Immunizations-con't' tab active. The 'Immunizations-continued' section is visible. On the left, there is a list of immunization types with radio buttons: HemintB #1-4, MMR #1-2, Varicella #1-2, Td booster, Tdap, Flu, Flu #2, Pneumovax, Hep A #1-2, Menactra, Meningoc, Rotavir #1-3, and DT #1-5. The 'DT #1' option is selected. The right side of the form contains fields for 'DT #1 0.5 cc IM Site:', 'DT #1 date', 'VIS date: 7/30/01', 'Manufacturer:', 'Lot #:', and 'Given by:'. There are checkboxes for 'Screened for sensitivities', 'Information given: Immunization handout', and 'VIS'. A 'Comments:' text area is also present. A callout box with an arrow pointing to the 'DT #1' radio button contains the text: 'DT series 1-5 has been added. The Pedvax HIB was moved to page 1'. At the bottom, there are buttons for 'Prev Form (Ctrl+PgUp)', 'Next Form (Ctrl+PgDn)', and 'Close'.

The second page displays a flowsheet of previous dates of all pediatric immunizations administered. The flowsheet may be adjusted, using the arrows at the top of the observation headings, to view the most 'Recent' values. The flowsheet should be reviewed before documenting immunization administration.

Pediatric Immunizations: Walter S. Caldwell

Immunizations | Immunizations-cont | **Immunization Review**

Immunization Review Immunization Handouts

Days	08/16/1998				
DTAP #1					
DTAP #2					
DTAP #3					
DTAP #4					
DTAP #5					
HEPBVAX#1					
HEPBVAX#2					
HEPBVAX#3					
HEPBVAX#4					
IPV #1					
IPV #2					
IPV #3					
IPV #4					
PEDIARIX1					
PEDIARIX2					
PEDIARIX3					
PCV7#1 DATE					

## Pediatric Pulmonary Tests and PFT

The two-page 'Pulmonary Tests and PFT-Peds' form, found in the Pediatrics/Pulmonary folder is used to document specific pulmonary test results. There are action buttons to enter information, such as user name, to the note. Each field conveys to an OBS term, or saved data field, which appears on the flowsheet view named 'Peds PFT' on the second page.

ACTUAL		% PREDICTED		POST ACTUAL		% CHANGE	
FVC (L):		FVC %:		FVC (L):		FVC %:	
FEV.5 (L):		FEV.5 %:		FEV.5 (L):		FEV.5 %:	
FEV1 (L):		FEV1 %:		FEV1 (L):		FEV1 %:	
FEV1/FVC:		FEV1/FVC%:		FEV1/FVC:		FEV1/FVC%:	
PEFR (L/s):		PEFR %:		PEFR (L/s):		PEFR %:	
FEF 50% (L/s):				FEF 50% (L/s):			
FEF 25-75% (L/s):		FEF 25-75%:		FEF 25-75% (L/s):		FEF 25-75%:	
FIF 50% (L/s):				FIF 50% (L/s):			

Fields for FEV/FVC % predicted (OBS term-FEV1/FVC % pr), FEF 25-27% % expected (OBS term-FEF % Expec), and FEF 25-75% % Change (OBS term- post FEF% exp) have been added to the Pediatric Pulmonary Function Test form. The OBS terms are added to the Flowsheet view on page two.

### Text Interpretation:

#### Pulmonary Function Test

% Predicted FEV1/FVC: 48

% Predicted FEF 25-75%: 4

% Change FEF 25-75%: 5

**Pulmonary Tests and PFT-Peds: Hilary Thurston**

Pulmonary Tests and PFT-Peds      **PFT flowsheet**

**Peds PFT Flowsheet**

Days					
FVC					
FVC % EXPECT					
POST FVC					
POST FVC%EXF					
FEV 0.5					
FE 5/FI.5					
FEV0.5PSTBD					
FE.5/FI.5PST					
FEV1 % EXP					
FEV1					
PST FEV1					
PST FEV1%EXP					
FEV1/FVC					
PSTFEV1.FCV%					
PRE PEF					
PEF % EXPECT					
DIFFERENTIAL					

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

Start | [Icons] | [Taskbar] | 10:27 AM

# Mammogram Review/Signature

Workflow process for Physician review and signature for scanned mammograms

Summary Problems Medications Alerts Flowsheet Orders Documents

Document View: All  Group By Date

	Date	Summary	Provider	Location	Status
	08/11/2006 12:00 AM	Imag Rpt: Mammogram	Joanie Tyson	ECU	Unsigned

Doc ID: 183 Properties: Imaging Report at ECU on 08/11/2006 12:00 AM by Joanie Tyson

Patient: SNOW TEST  
Note: All result statuses are Final unless otherwise noted.

Tests: (1) Mammogram ()  
MAMMOGRAM Benign (Birads 2) \*1

1. Open the scanned document to review results (click paper clip)

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*4/26/06 Lopez*

**NAME** X-RAY NO.  
**ADDRESS** AGE 42  
GREENVILLE NC 27834 DOB 08/15/1963

**DATE** 04/26/2006  
**PHYSICIAN**  
ANDRE LOPEZ MD  
FPG GREEN MODULE  
600 MOYE BLVD  
GREENVILLE NC 27834

76092 SCREENING MAMMOGRAPHY = *Obs. term = mammogram*  
Patient History:  
Reason for exam: screening.

Screening Mammogram: April 26, 2006 CPT #:  
Bilateral CC and MLO view(s) were taken.  
No prior studies available for comparison.  
The breast tissue is heterogeneously dense. This can limit the sensitivity and specificity of the study. There are stable benign appearing calcifications in the right breast. There is no other significant finding on the study. No significant changes when compared with prior studies. = *Always procedure date*

**ASSESSMENT:** Benign (BIRADS 2) *• value entered here should be selected from pull down list in DocuTrak • if value blank contact*

Recommendation:  
Routine screening mammogram in 1 year.

This examination was reviewed with the R2 Imagechecker Computer Aided Breast Cancer Detection System.

*Michael G. McLaughlin, MD*  
MICHAEL G MCLAUGHLIN MD

Example:  
format for a  
scanned  
mammogram  
document.

2. Compare results with OBS data entry (document)
3. If entry is **correct** then "SIGN"  
If entry is **incorrect** then flag "Manager, Medical Records" **OR** call 4-2030 option 2 to QA section or clinical on call

Quest Lab Code	Quest Order name
39625	5-HIAA, 24-HOUR URINE
7788	ABO GROUP & RH TYPE
211	ACTH, PLASMA
223	ALBUMIN
234	ALKALINE PHOSPHATASE
237	ALPHA-FETOPROTEIN, TUMORSMARKER
823	ALT
243	AMYLASE
249	ANA SCREEN EIA W/REFL\$TITER IFA
795	ANTIBODY SCREEN, RBC\$W/REFL ID, TITER AND AG
822	AST
37386	B TYPE NATRIURETIC\$PEPTIDE (BNP)
10165	BASIC METABOLIC PANEL
285	BILIRUBIN, DIRECT
287	BILIRUBIN, TOTAL
296	BUN/CREATININE RATIO
29256	CA 125
303	CALCIUM
310	CARBON DIOXIDE
10124	CARDIO CRP
978	CEA
15981	CELIAC DISEASE COMPREHENSIVE PANEL
15980	CELIAC DISEASE PANEL
10659	CHILDHOOD ALLERGY (FOOD AND ENVIRONMENTAL) PROFILE
17303	CHLAMYDIA TRACHOMATIS\$DNA, SDA
17305	CHLAMYDIA/N. GONORRHOEA\$DNA, SDA
17618	CHLAMYDIA/N. GONORRHOEA\$DNA, SDA, OTV
330	CHLORIDE
334	CHOLESTEROL, TOTAL
8396	CHORIONIC GONADOTROPIN
8435	CHORIONIC GONADOTROPIN,\$QUALITATIVE
10231	COMPREHENSIVE METABOLIC\$PANEL
11280	CORTISOL, FREE\$24-HOUR URINE LC/MS/MS
372	C-PEPTIDE
4420	C-REACTIVE PROTEIN
374	CREATINE KINASE, TOTAL
592	CREATINE, 24-HOUR URINE
375	CREATININE
418	DIGOXIN
14763	DOPAMINE, URINE
11290	FECAL GLOBIN BY\$IMMUNOCHEMISTRY
457	FERRITIN
10715	FOOD ALLERGY PROFILE, ADULT
8340	FRUCTOSAMINE
470	FSH
482	GGT
7577	GLOBULIN, TOTAL
483	GLUCOSE
4719	GLUCOSE (U) QL
484	GLUCOSE, FASTING (P)
608	HDL CHOLESTEROL
509	HEMATOCRIT
510	HEMOGLOBIN
496	HEMOGLOBIN A1c
512	HEPATITIS A IGM ANTIBODY
4848	HEPATITIS B CORE IGM\$ANTIBODY
499	HEPATITIS B SURFACE\$ANTIBODY QL
498	HEPATITIS B SURFACE\$ANTIGEN W/ CONFIRMATION
8472	HEPATITIS C ANTIBODY
34220	HIV 1 RNA QN PCR\$ULTRA
6449	HIV-1 AB SCREEN W/REFL
3636	HSV 1 IGG, HERPESELECT\$TYPE SPECIFIC AB
6447	HSV 1/2 IGG, HERPESELECT\$TYPE SPECIFIC AB
3640	HSV 2 IGG, HERPESELECT\$TYPE SPECIFIC AB
539	IMMUNOGLOBULIN A
542	IMMUNOGLOBULIN E

543	IMMUNOGLOBULIN G
7083	IMMUNOGLOBULINS
10457	INFLAMMATORY BOWEL DISEASE DIFFERENTIATION PANEL
10457	INFLAMMATORY BOWEL DISEASE DIFFERENTIATION PANEL
10457	INFLAMMATORY BOWEL DISEASE DIFFERENTIATION PANEL
10457	INFLAMMATORY BOWEL DISEASE DIFFERENTIATION PANEL
7573	IRON AND TOTAL IRON\$BINDING CAPACITY
571	IRON, TOTAL
17321	LACTOFERRIN, QN, STOOL
10156	LACTOFERRIN, STOOL
599	LEAD, BLOOD
615	LH
7600	LIPID PANEL
613	LITHIUM
622	MAGNESIUM
10155	MERCK HAV AB
14962	METANEPHRINES, FRACT.\$LC/MS/MS, 24 HR URINE
14961	METANEPHRINES, FRACT.\$LC/MS/MS, RANDOM URINE
17304	NEISSERIA GONORRHOEAESDNA, SDA
763	PARTIAL THROMBOPLASTIN\$TIME, ACTIVATED
713	PHENYTOIN
718	PHOSPHATE (AS PHOSPHORUS)
723	PLATELET COUNT
733	POTASSIUM
11188	PROBNP, N-TERMINAL
745	PROGESTERONE
746	PROLACTIN
754	PROTEIN, TOTAL
8847	PROTHROMBIN TIME WITH INR
5363	PSA, TOTAL
8837	PTH, INTACT & CALCIUM
766	QUINIDINE
10644	RESPIRATORY ALLERGY PROFILE REGION II
17669	RHEUMATOID ARTHRITIS DIAGNOSTIC PANEL
4418	RHEUMATOID FACTOR
799	RPR (MONITOR)\$W/REFL TITER
799	RPR (MONITOR)\$W/REFL TITER
802	RUBELLA IMMUNE STATUS
809	SED RATE BY MODIFIED\$WESTERGREN
836	SODIUM
15095	SUREPATH AND HPV
14471	SUREPATH PAP
14499	SUREPATH RFX HPV
859	T3, TOTAL
867	T-4 (THYROXINE), TOTAL
866	T-4, FREE
36170	TESTOSTERONE, FREE AND\$TOTAL, LC/MS/MS
873	TESTOSTERONE, TOTAL
7020	THYROID PANEL
896	TRIGLYCERIDES
899	TSH
36127	TSH W/REFLEX TO FT4
14839	UREA BREATH TEST,\$INFRARED (UBIT)
294	UREA NITROGEN (BUN)
5463	URINALYSIS, COMPLETE
3020	URINALYSIS, COMPLETE\$W/REFLEX TO CULTURE
6448	URINALYSIS, MACROSCOPIC
7909	URINALYSIS, REFLEX
916	VALPROIC ACID
10270	VAP(TM) CHOLESTEROL TEST
927	VITAMIN B12
7065	VITAMIN B12/FOLATE,\$SERUM PANEL
7065	VITAMIN B12/FOLATE,\$SERUM PANEL
4729	VITAMIN D, 1,25-DIHYDROXY
17306	VITAMIN D, 25-HYDROXY,\$LC/MS/MS