


*Real-time Decision Support
for Clinical Staff*

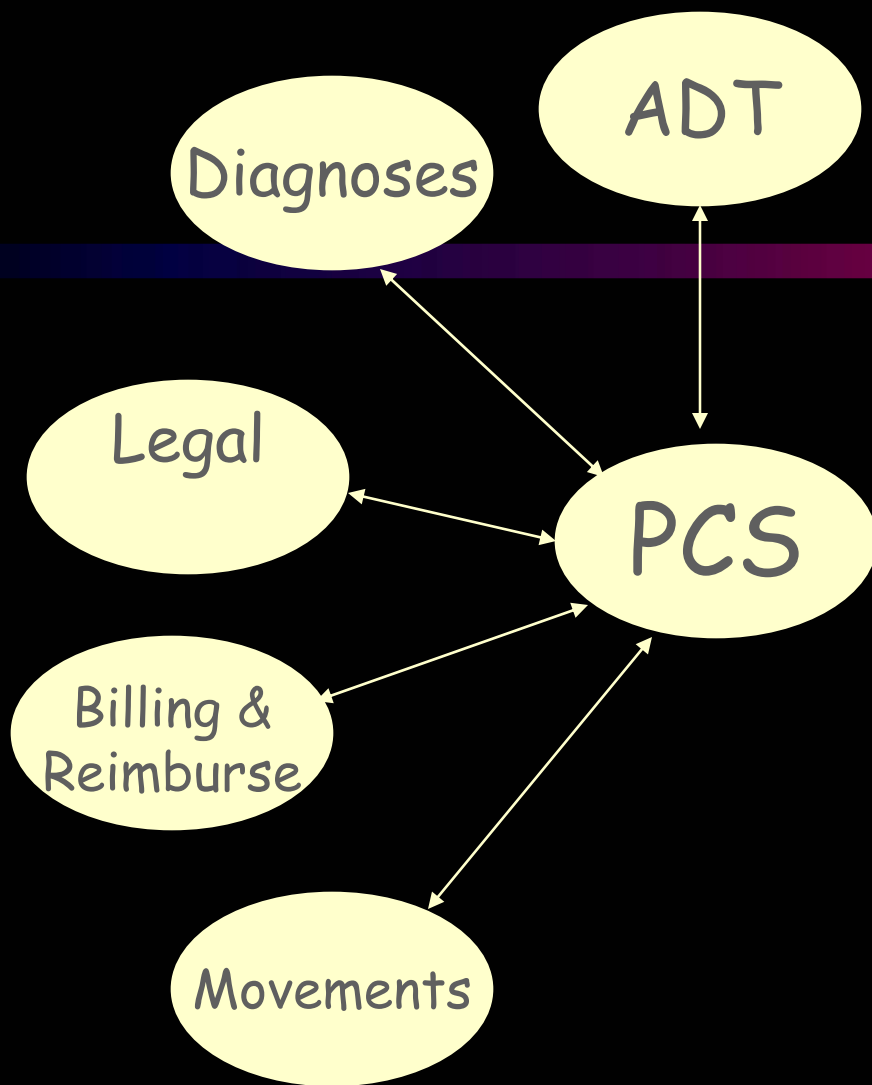


Anne Paschall

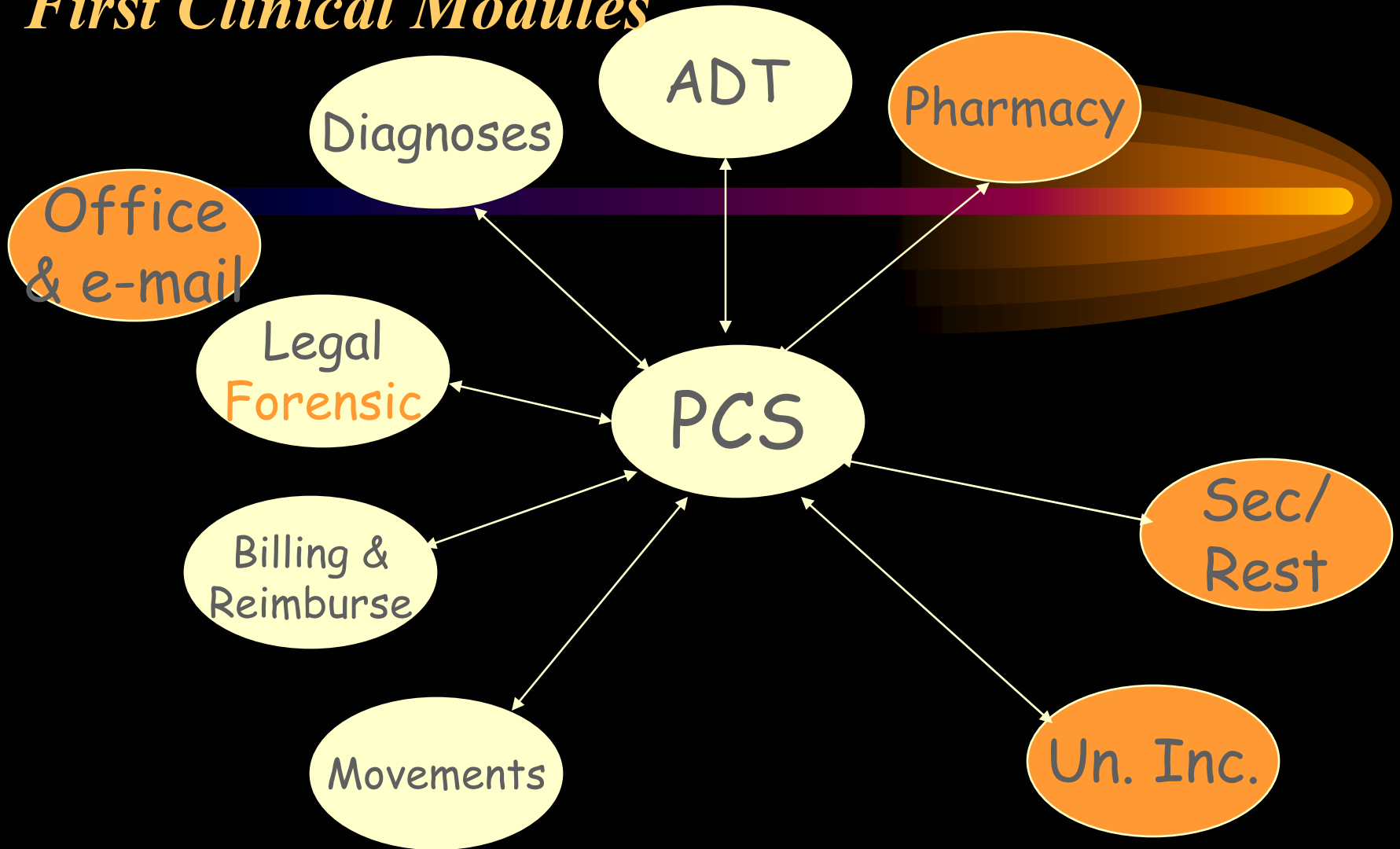
Ohio Department of Mental Health

May 26, 2003


In the beginning...



First Clinical Modules



Tried to prepare the ground...

- 
- Built a more secure & stable LAN/WAN network
 - Put PCs on the units and in the pharmacies
 - Provided word processing, spreadsheets and e-mail
 - Prescription orders to expire
 - Patient medication histories
 - List of patients on specific medications



OHIO DEPARTMENT OF MENTAL HEALTH
 PATIENT CARE SYSTEM
 PHYSICIAN MASTER MENU

05/20/2003 15:25

PATIENT REVIEW OVERVIEW REPORT PRINT ADMISSION RECORD
 DRUG SEARCH-BY CASE DRUG INTERACTIONS PRINT DISCHARGE SUMMARY
 PRINT ACTIVE ORDERS/PATIENT

----- PHARMACY & LAB -----

REVIEW PHARMACY ORDERS PER ADMISSION PRINT DRUG EDUCATION
 PATIENTS RECEIVING ANTIBIOTICS * PATIENTS RECEIVING GIVEN DRUG
 PATIENTS RECEIVING CONTROLLED DRUGS **ORDERS TO EXPIRE**

----- UNIT -----

PATIENTS ASSIGNED TO A SOCIAL WKR. ONROLLS PATIENTS LOS BY WARD
 PRINT OF ORDERS TO EXPIRE (BY WARD / BY PHY)

----- FORENSIC -----

FORENSIC PATIENTS ONROLLS FORENSIC LEVELS

----- BHO -----

NEW ADMISSIONS ALPHA LIST OF ONROLLS PATIENTS
 ONROLLS HEARING IMPAIRED PATIENTS GAF ASSESSMENT REPORTS

----- COMMUNITY -----

CASE MANAGERS-AGENCIES BY WARD CASE MANAGERS BY AGENCY

 ONLINE PRINTER RE-CONNECT
 MESSAGE FROM PCS(12/17/02)

CURRENT USER: SHANNON, LESTER
 PCPHS000

TERMINAL ID: MI3P

SIGN OFF



PATIENT CARE SYSTEM
SUMMIT BEHAVIORAL

05/20/2003 15:30

TYPE IN DRUG NAME TO SEARCH FILE

DRUG NAME (PRESS ENTER): hal1do1■

Processing complete.

MASTER

PHDES063 CURRENT USER: SHANNON, LESTER

TERMINAL ID: MI3P



PATIENT CARE SYSTEM
SUMMIT BEHAVIORAL

05/20/2003 15:31

ALL PATIENTS RECEIVING A GIVEN DRUG

THE SEARCH WAS ON DRUG: HALOPERIDOL
AND GENERIC EQUIVALENT: HALOPERIDOL

PATIENT NAME	ORD NUM	DRUG NAME	DOSE	FREQ	START DATE	PHY
A TEST, LESTER BE	0001	HALOPERIDOL 5MG TABLET	1.00	HS	051203	
MOUSE, MICK XI	0008	HALOPERIDOL 1MG TABLET	1.00	GIVE@	051303	ZUN, SO
TEST, DEBBIE	0005	HALOPERIDOL 2MG TABLET	1.00	BID	052003	

Processing complete.

PAGE
FORWARD

SELECT ANOTHER
DRUG

MASTER

PHDES065



O.D.M.H MED RECS/PHARM ALL PATIENTS ON ANTIBIOTICS RUN DATE 05/20/2003
SUMMIT BEHAVIORAL REPORT #44 PCAD345
PHARMACY- @PHDES000 START DATE

PATIENT NAME	ORD NUM	DRUG NAME	DOSE	FREQ	START DATE
BE TEST, DEBBIE	0006	SUMYCIN 250MG CAPSULE	250.00 MG	BID	05202003

Processing complete.

PAGE FORWARD

MASTER

PHDES008

PHYSICIAN TEST, ARNOLD

PATIENT NAME TEST, DEBBIE

PATIENT NUM 123456

WARD BE

ORD				STOP
NUM	DRUG NAME	DOSE	FREQ	DATE
0001	HALOPERIDOL 5MG TABLET	1.00MG	HS	05302003
0008	SUMYCIN 250MG CAPSULE	250.00MG	BID	05302003
0010	APAP 500MG TABLET	500.00MG	TID	05262003

PATIENT NAME TEST, MARK

PATIENT NUM 123457

WARD BE

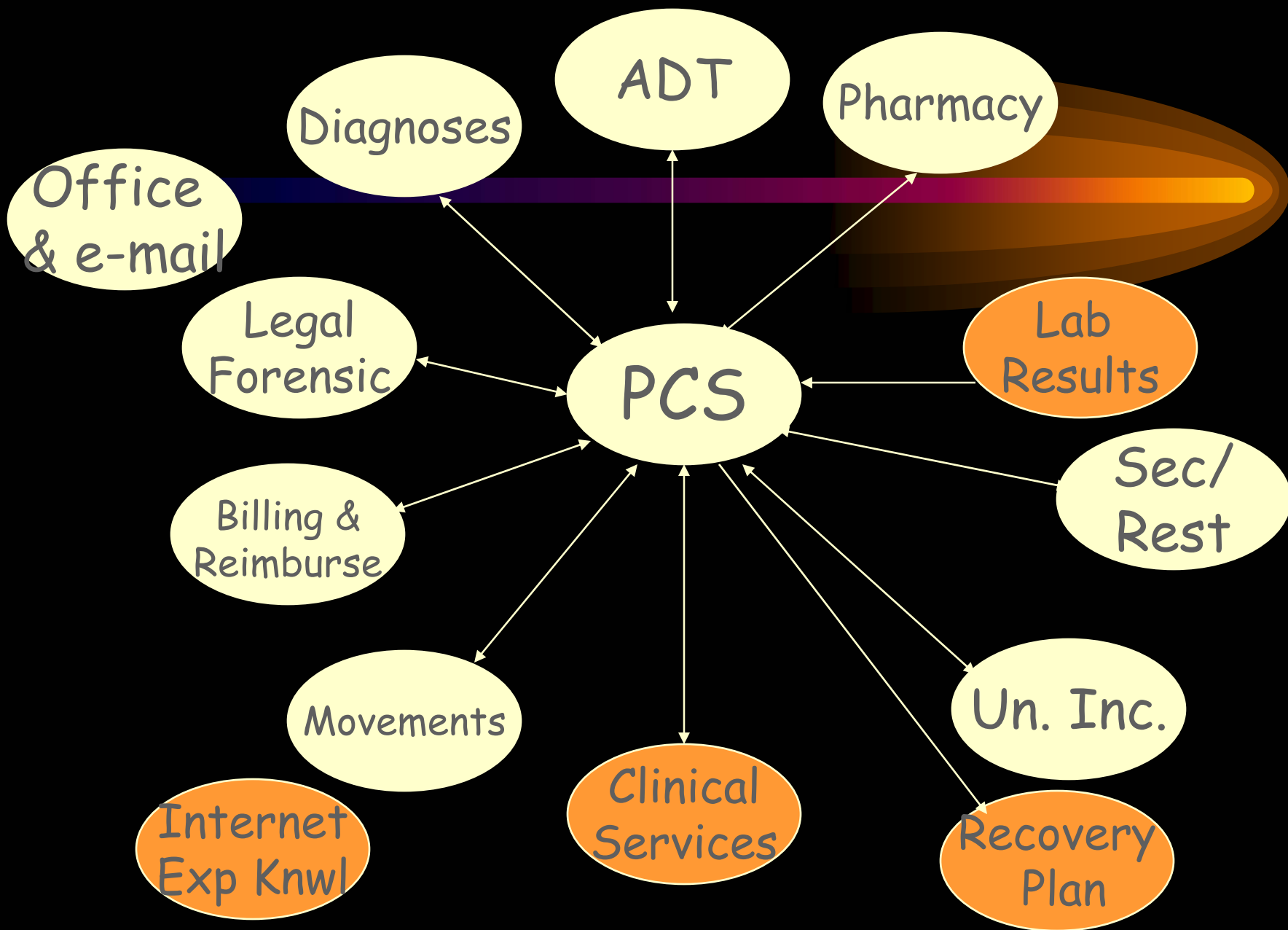
ORD				STOP
NUM	DRUG NAME	DOSE	FREQ	DATE
0001	HALOPERIDOL 5MG TABLET	1.00MG	HS	05302003
0008	SUMYCIN 250MG CAPSULE	250.00MG	BID	05302003
0010	APAP 500MG TABLET	500.00MG	TID	05262003

However, adoption was limited...



- No clinical champions
- Clinicians not involved in development
- PCs available only units & the Pharmacy
- Training was limited as no local training available
- Computer literacy poor

Second Clinical Phase



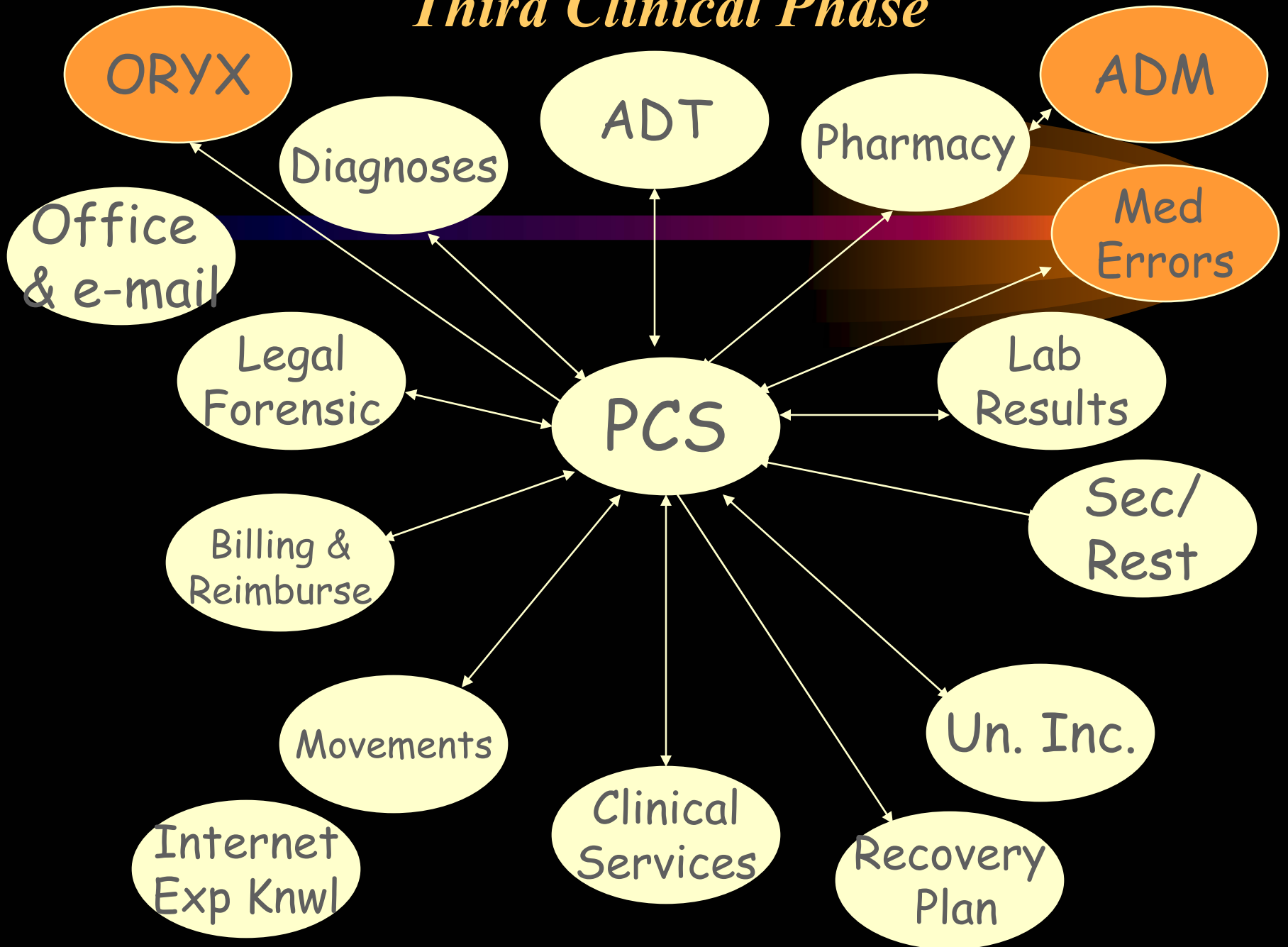
Automated Recovery Plan Results

- Developed local trainers at each site
- Increased clinical staff's PC literacy
- Required infrastructure on units and in clinical areas
- Improved quality of current data
- Big step toward automated Medical Record
- Most clinically accepted area to automate
(Source: HIMSS survey)

Recovery Planning Clinical Outcomes

- Reduced length of stay
- Treatment occurred more frequently
- Less down time for patients and staff
- Patients were more involved in their own recovery

Third Clinical Phase



Why Computerized Physician Order Entry (CPOE)?

- To increase patient safety
- To improve physician ordering
- To eliminate all hand written orders & handwritten Medication Admin Rec (MAR)
- To decrease time of first administration of medication but while increasing quality care
- To enhance financial stewardship

Avoiding a Prescription for Disaster, Reandea and Ajlouny

CPOE “delivers useful clinical information at the point of care, offering real-time patient medication profiles, online access to the patient’s prescription drug history...drug interactions checking capabilities and electronic prescribing and transmittal of prescriptions to the patient’s pharmacy.” pg. 77

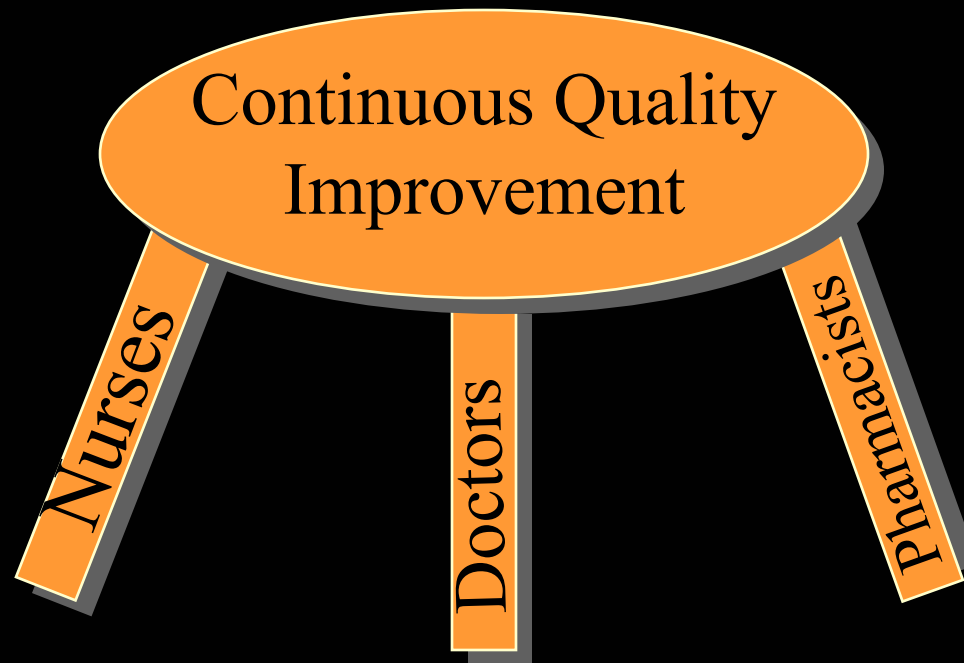
*Patient Safety & Computerized Medication
Ordering at B&W, Kuperman, MD, PhD. et al.*

“Medications are important therapeutic tools in health care. However, the medication process—from the patient’s need for a drug, through physician decision making, physician prescribing, transcribing, communication to the pharmacy, medication dispensing, & eventual administration to the patient—is extremely complex. Many providers are involved with multiple handoffs, and opportunities for errors abound.” Pg. 509

Literature Review

- CPOE avoids “problems with delays, verbal orders, illegible handwritten orders & signatures, error prone transcription, & time consuming order clarification.”
- “CPOE reduced time from order entry to drug delivery to less than 15 minutes...” from over 7 hours average.
- “Medication error secondary to misinterpreted physician prescriptions was the 2nd most prevalent & expensive claim in 90,000 malpractice claims over a period of 7 years.”
- “CPOE one of 3 changes that would most improve patient safety in America.” “ 44,000-98,000 people die each year in hospitals due to preventable medical mistakes.” Leapfrog
- “Hospital administrators say the system has saved them between \$5 & \$10 million a year.” Brigham and Women's

Three legged Quality Stool



CPOE in Ohio Dept. MH

- May enter through any PC in the hospital
- Uses biometric authentication to identify physician & replaces physician signature
- Provides patient profile including allergies, ADRs, diagnoses and medications
- Provides Lab Results
- Nurse reviews orders on PC and prints MARs and labels for MAR updates

ODMH CPOE Integration

- Patient demographic & movement data
- Patient diagnoses, allergies & ADEs
- Pharmacy System
- Automated Drug Machines (ADMs)
- Medication Errors, Unusual Incidents & S & R
- Laboratory Results
- Reimbursement Data & Billing Systems
- Hospital Data Warehouse

Prepared the ground...better



- 2 Physician Champions
- Physicians, nurses and pharmacists were included on the design team.
- Distributed PCs in all the Doctor's offices and all of the Nurse Execs and Supervisors
- Trained on PC, Internet, Office & e-mail 1st
- Built computer competency into physicians and nurses performance evaluations earlier
- Trained each physician 1 on 1 & that person became their first line help.

CPOE Decision Support

- Checks for potential drug to drug interactions
- Checks for allergy implications
- Checks for prior adverse drug reactions
- Checks for consistency between drug ordered and diagnoses
- Checks for drug to food restrictions
- Only therapeutic strengths can be ordered



■ PATIENT CARE SYSTEM

05/20/2003 15:09

SUMMIT BEHAVIORAL

PATIENT NAME: TEST, DEBBIE

650146 38 YRS

DRUG ALLERGIES: NKDA

PRIMARY DIAG: BIPOLAR DISORD, SING MANIC EPI, UNSPEC

SECONDARY DIAG: ANTISOCIAL PERSONALITY DISORDER

DOCTOR:

WARD: BE

FOOD/DRUG INTERACTIONS

ORDERED DRUG: SUMYCIN 250MG CAPSULE

SEV	DRUG CATEGORY	RESULTS
1	TETRACYCLINES	DAIRY PRODUCTS MAY IMPAIR ABSORPTION OF TCN.

OVERRIDE INTERACTION
(CONTINUE WITH ORDER)

OVERRIDE INTERACTION - WITH PRINT
(CONTINUE WITH ORDER)

OVERRIDE INTERACTION - WITH FULL
MONOGRAPH PRINT
(CONTINUE WITH ORDER)

PHDES115

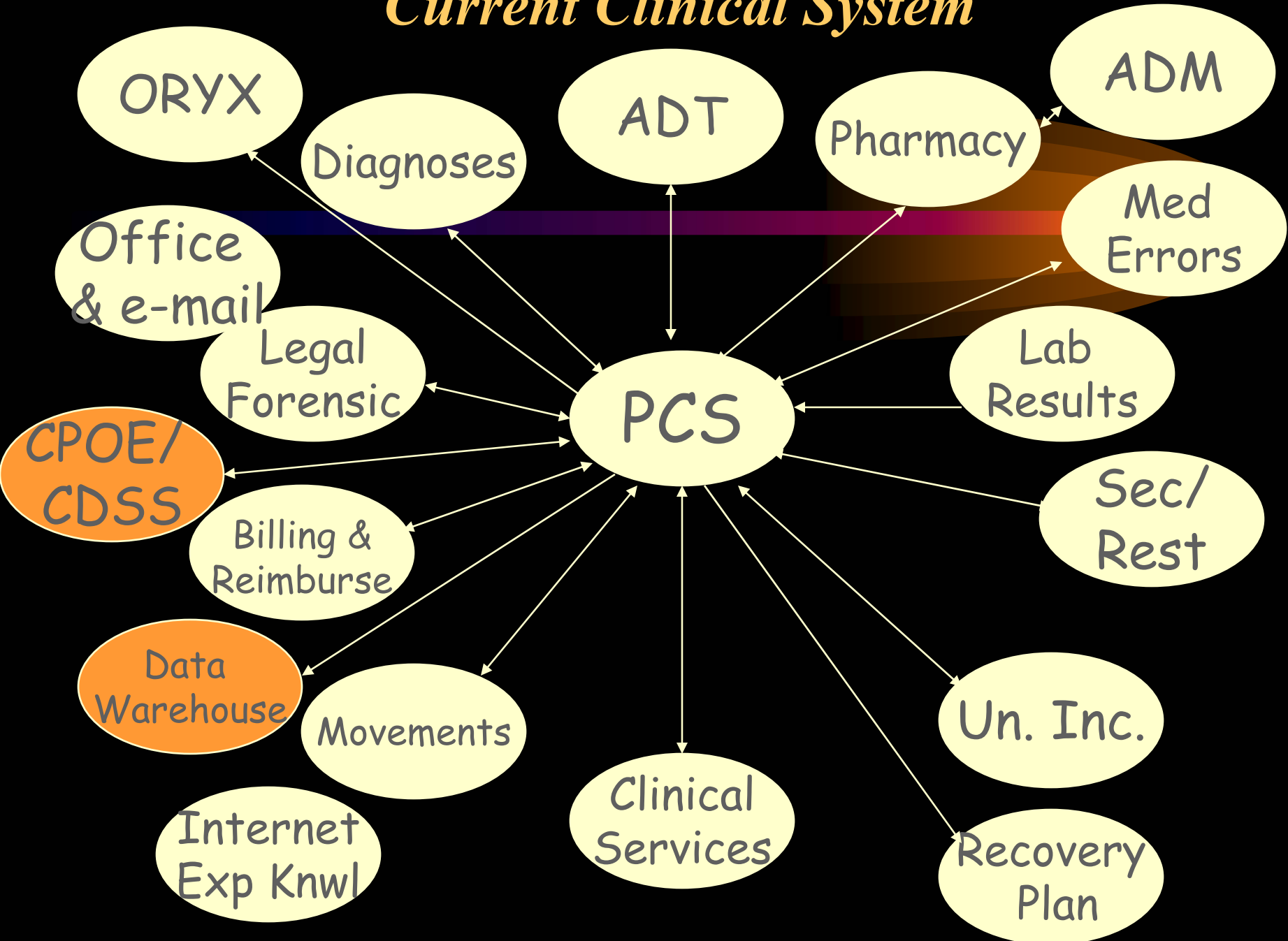
CURRENT USER: SHANNON, LESTER

TERMINAL ID: MI3P

Clinical Decision Support System (CDSS)

- Prescription ordering rules
- Monographs about each medication
- Access to the Internet for expert information
- Access to Data Warehouse containing patient, medication, lab, staffing & cost information
- Access to hospital's policies & procedures
- Access to e-mail, JCAHO standards, DSM4 & ICD-9 codes, drug formulary, etc.

Current Clinical System





OHIO DEPARTMENT OF MENTAL HEALTH
 PATIENT CARE SYSTEM
 PHYSICIAN MASTER MENU

05/20/2003 13:35

 COMPUTERIZED PHYSICIAN ORDER ENTRY

ATT PHY PATS

BY WARD

BY PATIENT

 PATIENT

PATIENT REVIEW

OVERVIEW REPORT

PRINT ADMISSION RECORD

DRUG SEARCH-BY CASE

DRUG INTERACTIONS

PRINT DISCHARGE SUMMARY

PRINT ACTIVE ORDERS/PATIENT

 PHARMACY & LAB

REVIEW PHARMACY ORDERS PER ADMISSION

PRINT DRUG EDUCATION

PATIENTS RECEIVING ANTIBIOTICS

PATIENTS RECEIVING GIVEN DRUG

PATIENTS RECEIVING CONTROLLED DRUGS

LAB RESULTS

 UNIT

PATIENTS ASSIGNED TO A SOCIAL WKR.

ONROLLS PATIENTS LOS BY WARD

PRINT OF ORDERS TO EXPIRE (BY WARD / BY PHY)

 FORENSIC

FORENSIC PATIENTS ONROLLS

FORENSIC LEVELS

 BHO

NEW ADMISSIONS

ALPHA LIST OF ONROLLS PATIENTS

ONROLLS HEARING IMPAIRED PATIENTS

GAF ASSESSMENT REPORTS

 COMMUNITY

CASE MANAGERS-AGENCIES BY WARD

CASE MANAGERS BY AGENCY

ONLINE PRINTER RE-CONNECT

MESSAGE FROM PCS(12/17/02)

CURRENT USER: SHANNON, LESTER

TERMINAL ID: MI4A

SIGN OFF

PCPHS000



■ SUMMIT BEHAVIORAL PATIENT PROFILE 05/20/2003 13:53

PATIENT NAME: TEST, DEBBIE 650146 38 YRS
 WARD: BE SEX: F WEIGHT: 135 HEIGHT: 5 09
 PROBE TO UPDATE ALLERGIES/PT COMMENTS/SAM: NKDA
 PROBE HERE TO REVIEW DIAGNOSIS
 S.A.M./CSN INDICATOR 0 1=SAM 2=CSN 3=BOTH

PRIMARY DIAG: BIPOLAR DISORD, SING MANIC EPI, UNSPEC
 SECONDARY DIAG: ANTISOCIAL PERSONALITY DISORDER
 ADM INFO: WITHOUT PCS ORDER ADM HISTORY OUTSTANDING MEDS

****CLICK HERE FOR ADR****

..... ALL ACTIVE MEDS

?	+	PO	HALOPERIDOL 2MG TABLET	2.000 MG	BID	A
		0005	START:05/20/2003 20:00	STOP:06/19/2003 19:59		
?	+	PO	APAP 500MG TABLET	500.000 MG	TID	A
		0001	START:04/23/2003 14:00	STOP:05/23/2003 13:59		

- SELECT MED ABOVE - DISPLAY LIST----- NEW ORDER -----
- RENEW ORDER ALL ACTIVE MEDS NEW INPAT ORDER
- CANCEL ORDER SCHED MEDS ONLY
- DISPLAY ORDERS PRN MEDS ONLY PRINT NEW ORDERS
- CONNECT PRINTER ACTIVE+EXPD MEDS LAB RESULTS RETURN TO WARD MASTER

PATIENT CARE SYSTEM

DRUG SELECTION

05/20/2003 13

SUMMIT BEHAVIORAL

PATIENT NAME: TEST, DEBBIE

650146 38 YRS

WARD: BE

DRUG ALLERGIES: NKDA

PRIMARY DIAG : BIPOLAR DISORD, SING MANIC EPI, UNSPEC

SECONDARY DIAG: ANTISOCIAL PERSONALITY DISORDER

AXIS 3 DIAG : ELECTIVE SURG EAR PIERCE

ADDITIONAL AXIS 1-2-3: YES

DOCTOR:

DRUG CATEGORY SELECTION

SELECT CATEGORY OR TYPE DRUG/PRESS E

UNIT DOSE MEDICATIONS

DRUG NAME (PRESS ENTER): haldo1

REVIEW DIAG

PROFILE

RETURN TO WARD

MAS

CURRENT USER: SHANNON, LESTER

TERMINAL ID: MD

PCPHS003



■ PATIENT CARE SYSTEM

FORMULARY SELECTION

05/20/

SUMMIT BEHAVIORAL

PATIENT NAME: TEST, DEBBIE

650146 38 YRS

WARD: BE

DRUG ALLERGIES: NKDA

PRIMARY DIAG : BIPOLAR DISORD, SING MANIC EPI, UNSPEC

SECONDARY DIAG: ANTISOCIAL PERSONALITY DISORDER

DOCTOR:

FORM	UD	DRUG NAME	MANU	PACKAGE	SIZE
Y	U	HALDOL .5MG TAB		100.000	TAB
Y	U	HALDOL 1MG TAB		100.000	TAB
Y	U	HALDOL 2MG TAB		100.000	TAB
Y	U	HALDOL 5MG TAB		100.000	TAB
Y	U	HALDOL 10MG TAB		100.000	TAB
Y		HALDOL 20MG TAB		100.000	TAB
Y		HALDOL CONC 2MG/ML	120ML	120.000	ML
Y		HALDOL DEC 50MG/ML	INJ 1ML	1.000	ML
Y		HALDOL DEC 50MG/ML	INJ 5ML	5.000	ML
Y		HALDOL DEC 100MG/ML	INJ 1ML	1.000	ML
Y		HALDOL DEC 100MG/ML	INJ 5ML	5.000	ML

Processing complete.



PATIENT CARE SYSTEM

05/20/2003

SUMMIT BEHAVIORAL

PATIENT NAME: TEST, DEBBIE 650146 38 YRS

PATIENT STATUS: RESIDENT CURRENT OR LAST WARD: BE

S.A.M./CSN INDICATOR 0 1=SAM 2=CSN 3=BOTH

DRUG ALLERGIES: NKDA

PRIMARY DIAG: BIPOLAR DISORD, SING MANIC EPI, UNSPEC

SECONDARY DIAG: ANTISOCIAL PERSONALITY DISORDER

DOCTOR:

IN-HOUSE ORDER

ORDER: 0005

TYPE CHANGES/PRESS

MEDICATION ORDER DETAIL

GENERIC NAME HALOPERIDOL

DRUG NAME: HALOPERIDOL 2MG TABLET

MNEMONIC: HALOPR2

STRENGTH: 00000002.000 MG

VOLUME: 0000.000

ORDERED AS: HALDOL 2MG TAB : SUBSTITUTION TYPE: G :

UNITS PER DOSE: 001 . 00 DOSE: . 000 : DOSAGE FORM: TABLET

ROUTE: PO :

FREQ: bid :

SCHED: :

DURATION: 030 DAYS :

START: 05202003 : STOP: :

LABEL COMMENT1

LABEL COMMENT2

COMMENTS: N : DRUG EDUC: N :

NOTE - ENTER DATA ABOVE THEN PRESS ENTER. SCREEN WILL RE-DISPLAY WITH EN
 DATA HAVING BEEN EDITED. IF ALL IS CORRECT, PRESS ENTER AGAIN TO ADD ORD

DRUG SELECTION

DISCONTINUE

CURRENT USER: SHANNON, LESTER

TERMINAL ID:



OHIO DEPARTMENT OF MENTAL HEALTH
 PATIENT CARE SYSTEM
 NURSING FLOW

05/20/2003 13:56

REVIEW PATIENT INFORMATION

PATIENT REVIEW	PART 2 NOT DONE	OUTSTANDING MEDS
PATIENT CASE STATUS	FORENSIC LEVELS	PHARM ORDERS BY CASE
MOVEMENT LIST	TRANSFER FORM(PRINT)	GIVEN DRUG BY CASE
PRINT ADMISSION REC	ID-SSN-UCI SEARCH	DRUG TO DRUG INTERACTIO
PRINT SP/PRECAUTIONS	PRINT DRUG EDUCATION	PRINT ACTIVE ORDERS/WAR
HOSPITAL REPORTS	SELECTED REPORTS	PRINT ACTIVE ORDERS/PAT

ADMIT / MOVEMENT FUNCTIONS

ADMISSION - PART ONE	ADMISSION - PART TWO	ENTER MOVEMENTS
TRANSFER IN	NON-ADMIT	DISCHARGE
		DEATH

MAR AND PRN LABELS

MAR WITHOUT LABELS	MAR WITH PRN LABELS	INDIVIDUAL LABEL FOR MA
--------------------	---------------------	-------------------------

MISCELLANEOUS

SECLUSION/RESTRAINT	UPDATE ADMITTING DR.	MESSAGE TO PCS FACILITY
NEW ORDERS		PRINTER RE-CONNECT

MESSAGE FROM PCS(12/17/2002)	SUMMIT/CSU	SIGN OFF
------------------------------	------------	----------

CWDS001 TERMINAL: MI4A USER: HOBBS, JEFF



W A R D S

A	G
* BE	H
BW	J
D	KE
E	KW

INSTRUCTIONS:
 MOVE THE APPROPRIATE WARDS TO UPDATE THE PICK LIST TIMES
 PRESS ENTER WHEN FINISHED

Processing complete.

MA

095



PATIENT CARE SYSTEM

PATIENT SELECTION

05/20/2003 13:59

WARD: BE

PATIENT NAME	NUMBER	PATIENT	NUMBER
MOUSE, MICK XIV	650209		
MOUSE, MICKEY I	650183		
MOUSE, MICKEY II	650184		
MOUSE, MICKEY III	650185		
MOUSE, MICKEY IV	650190		
MOUSE, MICKEY V	650186		
* TEST, DEBBIE	650146		

INSTRUCTIONS: SELECT A PATIENT

MASTER

PCWDS009



05/20/2003 14:00
 WARD: BE

PATIENT ID: 650146 NAME: TEST, DEBBIE

0005 LAST ACTIVITY: NEW ORDER
 HALOPERIDOL 2MG TABLET 2.000 MG
 BID TIMES: 0800 2000
 START:05/20/2003 20:00 STOP:06/19/2003 19:59

INSTRUCTIONS: SELECT ORDER NUMBER TO CONFIRM.
 Processing complete.
 PHDES046

PATIENT LIST MASTER



PATIENT CARE SYSTEM
PHARMACY MASTER MENU

05/21/2003 09:55

----- PHARMACY ORDER FUNCTIONS -----

BY PATIENT

BY WARD

ID-SSN-UCI SEARCH

--- PATIENT ORDER INFORMATION -----

PATIENT INFORMATION -----

* UNVERIFIED ORDERS

MOVEMENT INFORMATION

PHARM ORDERS BY CASE

MOVEMENT LIST

PATIENTS RECEIVING A GIVEN DRUG

PATIENT CASE STATUS

SELF-ADMIN/C.S.N. PATIENTS

ONROLLS PATIENTS OUT OF HOSPITAL

PATIENTS RECEIVING CONTROLLED DRUGS

PATIENT REVIEW

PATIENTS RECEIVING ANTIBIOTICS

ADMISSIONS WITH FROM/TO DATE

BED UTILIZATION (BY DATE)

ONROLLS PATIENTS LOS BY WARD

GIVEN DRUG - BY CASE

ONROLLS MEDICARE/MEDICAID PATS

REVIEW FREQUENCIES

READMITS WITHIN 30 DAYS

DISCHARGES BY CO.RES., CATCH

----- PRINTED REPORTS MENU -----

PRINTED REPORTS

PRINT M.A.R

PRINT DRUG EDUCATION

----- MISCELLANEOUS FUNCTIONS -----

UPDATE PICK LIST TIMES

PRINT LABEL

SEND MESSAGE TO

DRUG TO DRUG INTERACTIONS

APPALACHIAN

PCS FACILITY
NORTHCOAST

SUMMIT

MESSAGE FROM PCS
AS OF 12/17/02

LAB RESULTS

ONLINE PRINTER RE-CONNECT

PHDES000

CURRENT USER: HOBBS, JEFF

SIGNOFF
TERMINAL ID: MI3T

W A R D S

A G

* BE H

BW J

D KE

E KW

INSTRUCTIONS:
BE THE APPROPRIATE WARD

MASTER

015



PATIENT CARE SYSTEM PATIENT PROFILE 05/21/2003 09:57

SUMMIT BEHAVIORAL

PATIENT NAME: TEST, DEBBIE

650146

38 YRS

WARD: BE

SEX: F

WEIGHT: 135

HEIGHT: 5 09

UPDATE ALLERGIES/PATIENT COMMENTS/S.A.M.:

NKDA

REVIEW DIAGNOSIS

S.A.M./CSN INDICATOR 0 1=SAM 2=CSN 3=BOTH

PRIMARY DIAG: BIPOLAR DISORD, SING MANIC EPI, UNSPEC

SECONDARY DIAG: ANTISOCIAL PERSONALITY DISORDER

ORDER SELECTION - ALL ACTIVE ORDERS

SELECT ORDERS/SELECT A FUNCTION

ADM INFO: WITHOUT PCS ORDER

ADM HISTORY

OUTSTANDING MEDS

```

.....
* ? + PO HALOPERIDOL 2MG TABLET 2.000 MG BID A
    0007 START:05/20/2003 20:00 STOP:06/19/2003 19:59
* ? + PO SUMYCIN 250MG CAPSULE 250.000 MG BID A
  * ANT 0006 START:05/20/2003 20:00 STOP:05/27/2003 19:59
* ? + PO APAP 500MG TABLET 500.000 MG TID A
    0001 START:04/23/2003 14:00 STOP:05/23/2003 13:59
  
```

* VERIFY ORDER SE/CR/LA/RE

CHANGE STATUS RENEW ORDER

DISPLAY ORDER LEAVE MEDS

NEW ORDER
IN-HOUSE

PASS MEDS

DISCHARGE MEDS.

LAB RESULTS

DISPLAY FUNCTIONS
ALL ACTIVE ORDERS

ALL ORDERS

RETURN TO WARD

MASTER



PATIENT CARE SYSTEM

VERIFY ORDER

05/21/2003 10:02

SUMMIT BEHAVIORAL

PATIENT NAME: TEST, DEBBIE

650146 38 YRS

PATIENT STATUS: RESIDENT

CURRENT OR LAST WARD: BE

DRUG ALLERGIES: NKDA

PRIMARY DIAG: BIPOLAR DISORD, SING MANIC EPI, UNSPEC

SECONDARY DIAG: ANTISOCIAL PERSONALITY DISORDER

DOCTOR:

MEDICATION ORDER DETAIL

SELECT A FUNCTION

ORDER: 0007

GENERIC NAME HALOPERIDOL

ADM ITEM CODE: 0039750

DRUG: HALOPERIDOL 2MG TABLET

MNEMONIC: HALOPR2

STRENGTH: 0000002.000 MG

VOLUME: 0000.000

MANUFACTURER: GENEVA PHARM.

ORDERED AS: HALDOL 2MG TAB

SUBSTITUTION TYPE: G

DOSE: 0002 . 000 MG TO .

ROUTE: PO

UNITS PER DOSE: 001 . 00

DOSAGE FORM: TABLET

FREQ: BID

SCHED: 0800 2000

DURATION: 030 DAYS

START: 05202003 2000

ENTERED: 05202003 1618

STOP: 06192003 1959

RELATED ORDER NUMBER:

DISPENSING CODE: U

SENDNOW : 00000 . 00 TAB

CASSETTE : 00000 . 00 TAB

AT DOOR : 00000 . 00 TAB

NIGHT CAB : 00000 . 00 TAB

DECREASE SENDS: 00000 . 00 TAB

INCREASE SENDS: 00000 . 00 TAB

LABEL COMMENT1:

LABEL COMMENT2:

VERIFY/NO LABEL

VERIFY/LABEL

CHDES017

NEXT ORDER COMMENTS
CURRENT USER: HOBBS, JEFF

PROFILE MASTER
TERMINAL ID: MI3T

Ohio Department of Mental Health
Transactions from the ADMs
 that did not have a PCS Pharmacy Order

Total number of ADM Transactions	Transactions With Out PCS Pharmacy Order	April 2003		Total Transactions between 08:00 and 16:00 hours excluding weekends and Holidays	Transactions Without PCS Pharmacy Order between 08:00 and 16:00 hours excluding weekends and Holidays	% Without PCS Pharmacy order between 08:00 and 16:00 hours excluding weekends and Holiday
		% Without PCS Pharmacy Order				
Appalachian - Athens						
<u>9,321</u>	666	7.15 %	1,766	29	1.64 %	
Appalachian - Cambridge						
<u>12,585</u>	570	4.53 %	1,714	4	0.23 %	
Heartland Behavioral Healthcare						
<u>27,285</u>	2,269	8.32 %	6,523	289	4.43 %	
NBH - Cleveland Campus						
<u>17,289</u>	2,909	16.83 %	3,681	804	21.84 %	
NBH - Northfield Campus						
<u>44,907</u>	4,047	9.01 %	10,238	1,052	10.28 %	
NBH - Toledo Campus						
<u>17,261</u>	987	5.72 %	2,797	85	3.04 %	
Summit Behavioral Healthcare						
<u>47,760</u>	4,090	8.56 %	13,465	718	5.33 %	
TVPS - Columbus Campus						
<u>35,272</u>	2,238	6.34 %	8,283	247	2.98 %	
TVPS - Dayton Campus						
<u>23,770</u>	1,502	6.32 %	3,638	309	8.49 %	
Grand Total:	235,450	8.19 %	52,105	3,537	6.79 %	

DR: LEE, JAY W	Number of Orders
"ANTIPARKINSONISM DRUGS,ANTICHOLINERGIC"	
TRIHEXYPHENIDYL HCL / TRIHEXYPHENIDYL HCL	2
"ANTIPSYCHOTICS,ATYPICAL,DOPAMINE,& SEROTONIN ANTAG"	
OLANZAPINE / ZYPREXA	1
QUETIAPINE FUMARATE / SEROQUEL	6
"ANTIPSYCHOTICS,DOPAMINE ANTAGONISTS,BUTYROPHENONES"	
HALOPERIDOL / HALOPERIDOL	1
"ANTI-PSYCHOTICS,PHENOTHIAZINES"	
FLUPHENAZINE HCL / FLUPHENAZINE HCL	2
ANTICONVULSANTS	
CARBAMAZEPINE / TEGRETOL	1
DIVALPROEX SODIUM / DEPAKOTE SPRINKLE	2
ANTIHISTAMINES	
HYDROXYZINE PAMOATE / HYDROXYZINE PAMOATE	2
ANTI-MANIA DRUGS	
LITHIUM CARBONATE / LITHOBID	2
ANTIMIGRAINE PREPARATIONS	
DIVALPROEX SODIUM / DEPAKOTE ER	1
LAXATIVES AND CATHARTICS	
DOCUSATE SODIUM / COLACE	1
LIPOTROPICS	
ATORVASTATIN CALCIUM / LIPITOR	1
MULTIVITAMIN PREPARATIONS	
MULTIVITS,TH W-FE,OTHER MIN / THERA-M	1
SEROTONIN-2 ANTAGONIST/REUPTAKE INHIBITORS (SARIS)	
TRAZODONE HCL / TRAZODONE HCL	1
THYROID HORMONES	
LEVOETHYROXINE SODIUM / SYNTHROID	1

Total for DR: LEE, JAY W

25

CPOE Next Features

- Will check allergies at the ingredient level by July 2003
- Will check for therapeutic drug duplications by September 2003
- Will check for min/max dosage ranges by December 2003
- Will check for relevant laboratory results by July 2004
- Order sets & paperless MAR