



Is Finding
Waldo
Easier Than
Finding POC
Results
In the EMR?

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Where
is
Waldo?





POCT Documentation Evolution

- Forms of documentation
 - Paper towels

2801 - 156

2805 - 180

2806 - 300

2808 - 500

2811 - 87

2812 - 215



POCT Documentation Evolution

- Forms of documentation
 - Paper towels
 - Manual paper charts



POCT Documentation Evolution

per Dr. Danovich. (005) C/O midsternal CP 5 referred. Skin
w/ P. & monitor. Δ. 0 SOB BP stable. NTC 0.4 SL given
with in 30-45 sec pain that was #4/10 is now complete
Vanished. (1020) EKG done. Denies further CP. Ate breakfast
meal 5 diff. (1130) wife @ bedside feeding peanut butter
crackers. Denies pain or C/O. C inspecting buttocks and
noted 4 cm x 2 cm intact blister (R) inner buttocks. T
derm applied to keep skin intact. Denies tenderness of area
Assessment complete and unchanged otherwise. (1315)
Resting in bed. 0 c/o. Very jovial denies pain or
discomfort. Stable. (1530) Ask that wife be called to
request bring cell phone and request met. (1650) Rx
ment complete O₂ @ 1 L Sat 99%. Wife present @
bedside. Pt eating banana, peanut butter crackers and
water. Accur 335. Educated on diabetic restriction
and 1 BS. 12 units Aspart insulin given 5 P. (1730) Supp
meal served and ate 100%. Set up on bedside
eat told well. (1830) Speaks to wife on phone for update
(1930) Report given to RN on coming
(1930) Report received from outgoing RN. Baseline Assess
Completed. No changes noted from client assessment
(2000) Report called to Nurse on 2800 06.11.2009
(2045) Vital Signs Stable. Pt transferred to 2817 on
monitor.



POCT Documentation Evolution

- Forms of documentation
 - Paper towels
 - Manual paper charts
 - Electronic Medical Record





POCT Documentation Evolution

- Forms of documentation
 - Paper towels
 - Manual paper charts
 - Electronic Medical Record
- Which one benefits patient safety more?



What Can POCT Documentation in EMR bring to Patient Safety?

- Accessibility
 - More than one health care provider (HCP) to care for patient
 - With paper MR only one person at a time can view.
 - Possibility of mixing up charts
 - Delay in viewing results

I need to put my glucose meter results in this chart

I threw my towel away with the results, I NEED IT!!!





What Can POCT Documentation in EMR bring to Patient Safety?

- Accessibility
 - More than one health care provider (HCP) to care for patient
 - With paper MR only one person at a time can view.
 - Possibility of mixing up charts
 - Delay in viewing results
 - With EMR anyone with permission can view.
 - Brain to brain time
 - Correct patient ID in banner





What Can POCT Documentation in EMR bring to Patient Safety?

- Trending

Wares, Waldo MRN 09-86-63 Room/Bed Age 29 yrs Sex M DOB 3/28/1980 Allergies No Known Allergies Isolation Code None Attending N/A LOS 4days MyChart Inactive

- Snapshot
- Patient Summary
- Chart Review
- Results Review**
- Notes
- Demographics
- Order Entry
- Rounding

Results Review

Search: New results (No timemark set)

- ALL TOPICS
- LABORATORY
 - BLOOD GAS
 - CHEMISTRY
 - HEMATOLOGY
 - POC TESTING**
 - URINE STUDIES
- IMAGING STUDIES
 - CT
 - DIAGNOSTIC XRAY
 - NUCLEAR MEDICINE
- OTHERS

Ref. Range	6	5	4	3
	03/22/09	03/22/09	03/22/09	03/22/09
	1118	1505	1642	2029

POC TESTING

ACCUCHECK GLUCOSE Latest Range: 70-110 MG/DL	220 ▲	307 ▲	252 ▲	271 ▲
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[Hotkey List](#)

Wares, Waldo MRN 09-86-63 Room/Bed Age 29 yrs Sex M DOB 3/28/1980 Allergies No Known Allergies Isolation Code None Attending N/A LOS 4days MyChart Inactive

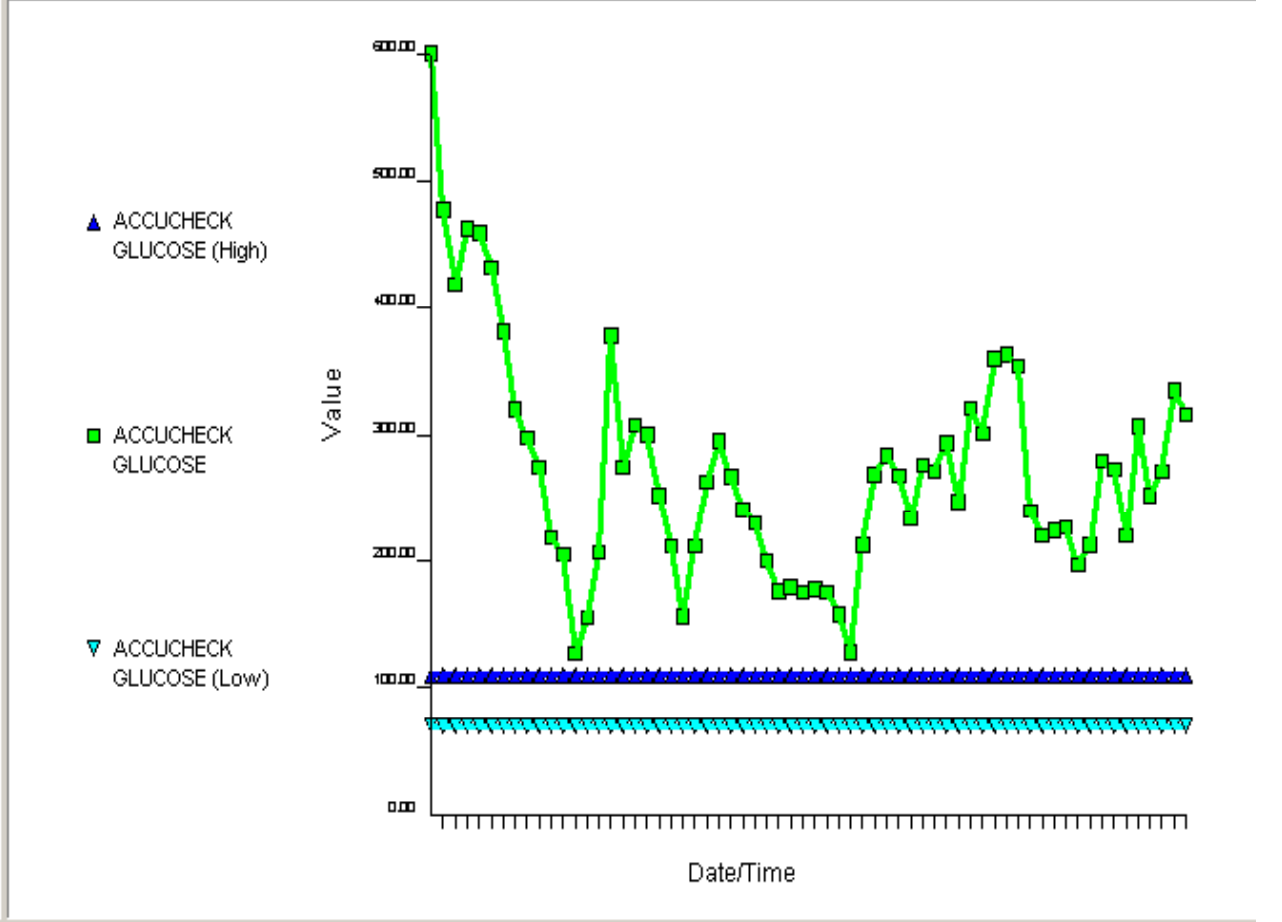
- SnapShot
- Patient Summary
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- Order Entry
- Rounding
- Report Viewer

Results Review

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Graph



[Hotkey List](#)



What Can POCT Documentation in EMR bring to Patient Safety?

- Trending
- Format
 - Integrated with rest of Laboratory tests
 - Give viewer a chance to look at results in different ways.

Wares, Waldo	MRN	Room/Bed	Age	Sex	DOB	Allergies	Isolation Code	Attending	LOS	MyChart
	09-86-63		29 yrs	M	3/28/1980	No Known Allergies	None	N/A	4days	Inactive

- SnapShot
- Patient Summary
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- Rounding
- Report Viewer**

Lab Report Close X

Results ACCUCHECK GLUCOSE (Order# 81684629)

Specimen Information

Collection Date	Collection Time
3/23/2009	11:43 AM

Component Results

Component	Value	Flag	Low	High	Units	Status
ACCUCHECK GLUCOSE	316	H	70	110	MG/DL	Fin

Lab and Collection

[ACCUCHECK GLUCOSE \(Order #81684629\) on 3/23/09 - Lab and Collection Information](#)

Result History

[ACCUCHECK GLUCOSE \(Order#81684629\) on 3/23/09 - Order Result History Report](#)

Result Information

[Result History](#)

Result Date and Time	Status	Provider Status
3/23/2009 12:03 PM	Final result -- Abnormal	Ordered

Wares, Waldo

(MRN # 09-86-63)

Send this SPECIMEN TRANSMITTAL to LAB with specimen

Order

ACCUCHECK GLUCOSE [LAB1138] (Order# 81684629)

Rm/Bed	Name	MRN	DOB	Age	Sex
3721-3721-A	Wares, Waldo	09-86-63	03/28/1980	29 year old	M

Admission Complaint
diabetic ketoacidosis



What Can POCT Documentation in EMR bring to Patient Safety?

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 - Reference Ranges

Wares, Waldo
MRN 09-86-63
Room/Bed
Age 29 yrs
Sex M
DOB 3/28/1980
Allergies No Known Allergies
Isolation Code None
Attending N/A
LOS 4days
MyChart Inactive

- SnapShot
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Results Review

← Back
→ Forward
📅 View
📄 Hide Tree
📄 Ref Range
⏪ Load All
📄 Flowsheet
📄 Graph
🕒 Time Mark
🔄 Refresh
🎨 Legend
☰ Options

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Ref. Range		1
		03/19/09 0123
BLOOD GAS		
PH	Latest Range: 7.35-7.45	<i>7.26</i> 🚩
PCO2	Latest Range: 35.0-45.0 MMHG	<i>33.0</i> ▼
PO2	Latest Range: 80.0-100.0 MMHG	<i>78</i> ▼
O2 SATURATION	Latest Range: 96-97 %	<i>93</i> ▼
BASE EXCESS	No range found	<i>-11</i>
BICARBONATE	Latest Range: 22.0-26.0 MMOL/L	<i>14.8</i> ▼
CO2 CONTENT	Latest Range: 23.0-27.0 MMOL/L	<i>15.8</i> ▼
DRAW TIME	No range found	<i>0123</i>
RECVE TIME	No range found	<i>0130</i>

[Hotkey List](#)

Expand All
Collapse All
◀ ▶



What Can POCT Documentation in EMR bring to Patient Safety?

- Trending
- Format
 - Integrated with rest of Laboratory tests
 - Give viewer a chance to look at results in different ways.
 - Reference Ranges
 - Critical Results

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1	
03/19/09	
0123	
BLOOD GAS	
PH	<i>7.26</i>
PCO2	<i>33.0</i>
PO2	<i>78</i>
O2 SATURATION	<i>93</i>
BASE EXCESS	<i>-11</i>
BICARBONATE	<i>14.8</i>
CO2 CONTENT	<i>15.8</i>
DRAW TIME	<i>0123</i>
RECVE TIME	<i>0130</i>

Legend Help

Spreadsheet

Flags

- Abnormal
- Panic
- Low
- High
- Low Panic
- High Panic
- Low Off-Scale
- High Off-Scale
- Other
- Preliminary
- Changed

Component Indicators

Blue Star * Additional information is available - double click to view

Bold & Italic Results that are new since you last set the time mark

- Procedure Indicators
- Procedure report
 - New Procedure report
 - Procedure report with attachment
 - New Procedure report with attachment

Navigator (Tree View)

Component name will be in grey if no data is in the given date range

[Hotkey List](#)

Expand All Collapse All



What Can POCT Documentation in EMR bring to Patient Safety?

- Trending
- Format
 - Integrated with rest of Laboratory tests
 - Give viewer a chance to look at results in different ways.
 - Reference Ranges
 - Critical Results
 - Correlation of Patient Results
 - With each other
 - Treatment Therapies

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Diabetic Mgmt

Diabetic Mgmt Order History Lab Snapshot Facesheet LAB POST MORTEM INFO:GSH Report: Diabetic Mgmt

Diabetic Management Report [03/20 0400 - 03/22 0759] in 4hr interval

Date/Time Range: 03/20 0400 - 03/22 0759 Today

	03/20					03/21					03/22		
	04-08	08-12	12-16	16-20	20-00	00-04	04-08	08-12	12-16	16-20	20-00	00-04	04-08
Labs													
Glucose-Serum	229	186	121		216		288		352		192		179
Glucose-Docked	241!	179!	158!	284!	271!	247!		321	360!	354!	220!	227!	280!
Recorded Glucose													
Flowsheet Glucose		230		269!	271!	247		321	301		220!	227!	213!
Medications													
insulin aspart(Units)							6	6	9				
insulin glargine(Units)						26							
insulin regular human Solution(U...)	20+	15+		10	40+	20+							
Flowsheets													
Meal/Snack					Hs				Lunch				
%Taken									100				
Insulin Unit/Hr		5 Uni...+	6 Uni...+	3 Uni...+	3 Uni...					9 Uni...	5 Uni...		5 Uni...+
Insulin ml/Hr		5 mL/...+	6 mL/...+	3 mL/...+	3 mL/...					9 mL/...	5 mL/...		5 mL/...+

[Hotkey List](#)



What Can POCT Documentation in EMR bring to Patient Safety?

- Alerts
 - Save patients from too many unnecessary test procedures
 - Procedure limitation alerts
- Reduced length of stay (LOS)
 - Lessens chances of hospital acquired infections
 - Medicare not paying for mistakes
 - Reduces the cost of care
- Capturing charges



What Can POCT Documentation in EMR bring to Patient Safety?

- Audit trail
 - If there is a concern over a patient test it can be traced.
 - Was this a personnel, documentation or a method error among other things.
- Accrediting agencies such as TJC, CAP, etc.
 - Tracers
 - Look at patient safety issues
 - Disease Management



The Seven Rights

- Right Patient
- Right Test
- Right Sample
- Right Time
- Right Result
- Right Decision
- Right Action

- Price, Christopher, PhD.; *POCT, Reducing Errors and Improving Outcomes*; Point of Care, Vol 7, Number 3, 9/08 p 121.



What Do We See For the Future Or Possibly Now?

- More outcome studies
 - Evidence based practice
- Patients becoming more involved in their health care.
 - Graphs make more visual
 - Doctors and Health Care professionals can use for patient education.
- More POCT results accessible for the HCP if connected.
 - Office
 - Home
 - Long term care facility, etc.



There
he
is !!!





Questions



Where's Waldo is a copyright of
Martin Handford





Contact Information

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