

A Day in the Life of a Wired Internist

Daniel H. Litoff, M.D.
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Chicago, IL

Uses for Handheld Computers

- Patient Tracking/Coding
- Portable Brain
- Prescription Writing



7:38 Thu 1/13

193.47k



Harbor Medical Group S.C.

Daniel H Litoff, MD

312-641-2921



Extras Names Dates Undo Find Assist Dock

Patient Tracking

- Census
- Admissions
- Length of Stay
- Diagnosis
- Allergies
- Code Status



✓All ◆Status IP

	Name	Admit	Discharge	LOS	Location	MD
<input type="checkbox"/>	G, G	1/7/00	ongoing	7	Michael Reese	
<input type="checkbox"/>	B, Z	1/3/00	ongoing	11	Northwestern	
<input type="checkbox"/>	C, D	1/3/00	ongoing	11	Northwestern	
<input type="checkbox"/>	W, A	1/6/00	1/10/00	4	Northwestern	



G , G
84 yo Black female

2 7

Full

Michael Reese
Lower GI Bleed

DOA: 1/7/00

Seen:

Day # 7

	admit	d/c	location
<input type="checkbox"/>	1/7/00	ongoing	Michael Reese



Type	Problem	Onset
<input type="checkbox"/>	Chronic renal failure	1/8/00
<input type="checkbox"/>	Congestive heart failure	1/8/00
<input type="checkbox"/>	Coronary atherosclerosis	1/8/00
<input type="checkbox"/>	Diabetes mellitus Type 2	1/8/00
<input type="checkbox"/>	Gastrointestinal hemorrhage lower	1/8/00
<input type="checkbox"/>	Gout, unspecified	1/8/00
<input type="checkbox"/>	Hypertension	1/8/00





Coding

- Charge entry at time of visit
- Accurate coding for billing
- Improved cash flow
- No lost visit charges

G , G -26716

Billables

3 of 3

#

◆ Date 1/13/00 ◆ Time 7:30 - 7:30

◆ Procedure(s)

Code	Description
99232	Hospital followup moderate

◆ Diagnoses

Code	Description
	Hypertension
	Chronic renal failure
	Congestive heart failure
	Diabetes mellitus Type 2
	Gout, unspecified
	Coronary atherosclerosis
	ICD-9 code list...

◆ Provider Daniel H Litoff, MD

Billed

⏪ ⓘ ⏩ +New +Show

☐ ✉ ✕

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Extras Names Dates Undo Find Assist Dock







Prescription Writing

- Easy to read
- Accurate
- Medication Lists
- Easy Refills
- Managed Care Formularies
- Add new drugs easily

7:47 Thu 1/13

221.52k



Harbor Medical

7:48 Thu 1/13

◆ All Prescriptions

◆ Name: Dorothy T

Address: 1 PI
Chicago 606

Phone: ☎ 773

Allergies: none

Current Meds:

- 1. **Med.** Ver-apamil-SR **Str.** 240 mg
Sig. 1 PO QD.
Qty. 30 **Ref.** 6 **No Subst.**
- 2. **Med.** Beclo^methasone AQD **Str.**
Sig. 2 sprays each nostril QD
Qty. one **Ref.** 6 **No Subst.**

Signature:

7:52 Thu 1/13

232.84k



Harbor Medical

7:52 Thu 1/13

Line 1

◆ Med: Verapamil-SR

◆ Strength: **120 mg** ◆ Qty: **30**
 180 mg
 240 mg

◆ Sig: **1 PO**

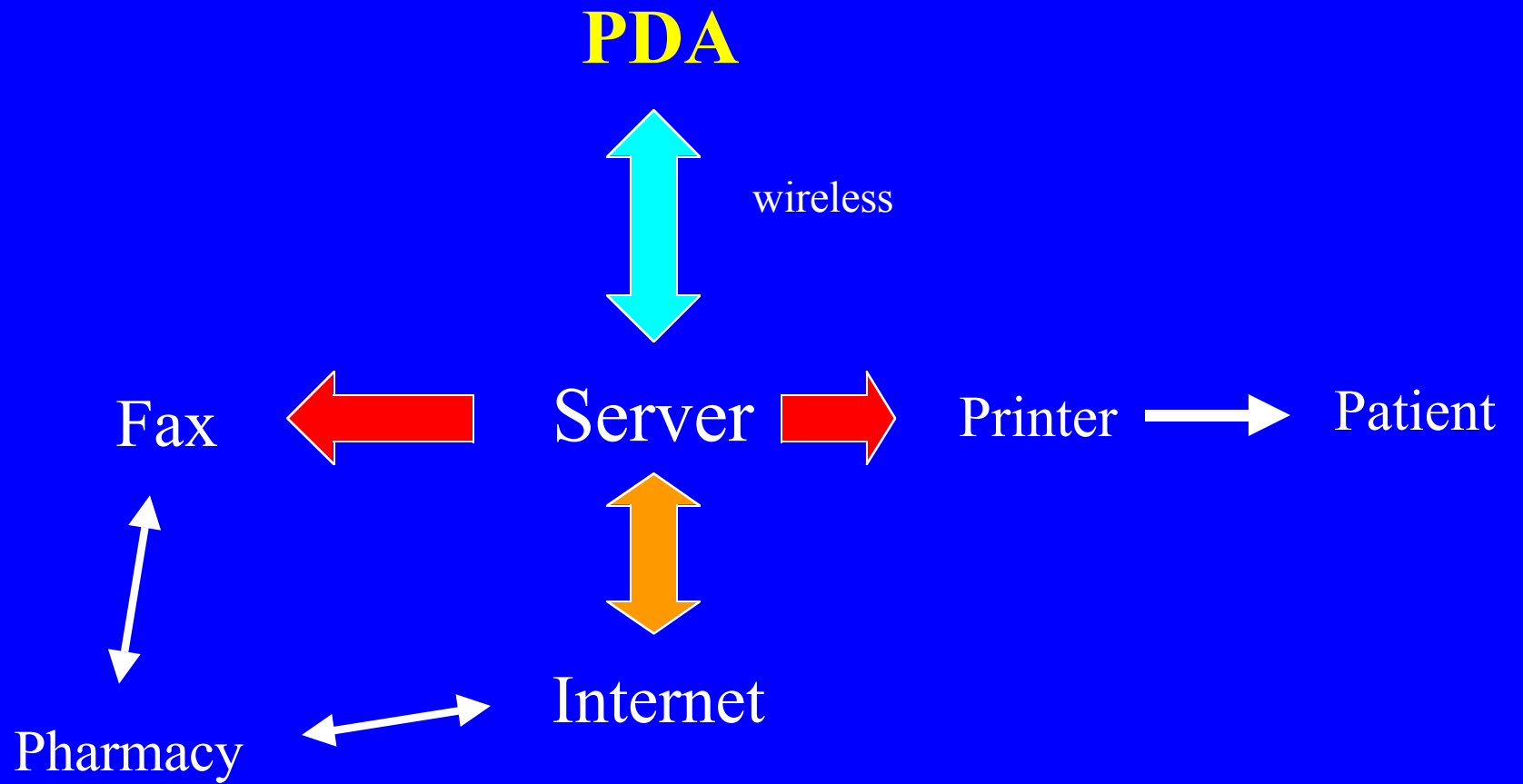
◆ Refills: **6** No Substitutions

Handwritten signature

Extras Names Dates Undo Find Assist Dock

Electronic Script Pad Problems

- Lack of EDI with pharmacies
- Lack of wireless connectivity
- Data entry time



Portable Brain

- Cached Web Pages
- Text and Article Downloads
- Picture Import
- Note Taking
- Medical Formulas



East Africa

Date last Rev'd: September 4, 1997

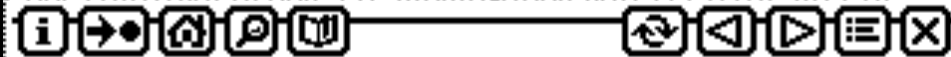
Other topical documents for travelers, including pregnant travelers and travelers with children, may be found in the [travel directory](#).

Countries in this region: Burundi, Comoros Island, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Malawi, Mauritius, Mayotte, Mozambique, Reunion, Rwanda, Seychelles, Somalia, Tanzania, and Uganda.

Travelers to East Africa may be exposed to potential diseases from a number of sources. **The most frequently reported illness is traveler's diarrhea**, but there are other diseases which are unique to Africa or the tropics. These diseases are transmitted by *insects, contaminated food and water, or close contact with infected people*. Specific diseases are discussed under each of these topical headings. In order to reduce the risk of infection **travelers must**

1. **protect themselves from insects,**
2. **ensure the quality of their food and drinking water, and**
3. **be knowledgeable about potential diseases in the region to be visited.**

Finally, diseases are not restricted to cleanly defined geographical areas, i.e. mosquitoes can fly over city or



FDA-Approved Treatment Options

Omeprazole 40 mg QD + clarithromycin 500 mg TID x 2 wks, then omeprazole 20 mg QD x 2 wks

-OR-

Ranitidine bismuth citrate (RBC) 400 mg BID + clarithromycin 500 mg TID x 2wks then RBC 400 mg BID x 2 wks

-OR-

Bismuth subsalicylate (Pepto Bismol®) 525 mg QID + metronidazole 250 mg QID + tetracycline 500 mg QID* x 2 wks +

H2 receptor antagonist therapy as directed x 4 wks

-OR-

Lansoprazole 30 mg BID + amoxicillin 1 g BID + clarithromycin 500 mg BID x 14 days

-OR-

Lansoprazole 30 mg TID + amoxicillin 1 g TID x 14 days **

*Although not FDA approved, amoxicillin has been substituted for tetracycline for patients in whom tetracycline is not recommended.

**This dual therapy regimen has restrictive labeling. It is indicated for patients who are either allergic or intolerant to clarithromycin or for infections with known or suspected resistance to clarithromycin.

☰ Sun 1/9



FDA-Approved Treatment Options

.....
 Omeprazole 40 mg QD + clarithromycin 500 mg TID x
 2 wks; then omeprazole 20mgQD x 2 wks

-OR-

.....
 Ranitidine bismuth citrate (RBC) 400 mg BID +
 clarithromycin 500 mg TID x 2wks then RBC 400 mg BID
 x 2 wks

-OR-

.....
 Bismuth subsalicylate (Pepto Bismol®) 525 mg QID +
 metronidazole 250 mg QID + tetracycline 500 mg
 QID* x 2 wks +
 ... H2 receptor antagonist therapy as directed x 4 wks

-OR-

.....
 Lansoprazole 30 mg BID + amoxicillin 1 g BID +
 clarithromycin 500 mg BID x 14 days

-OR-

.....
 Lansoprazole 30 mg TID + amoxicillin 1 g TID x 14
 days **



Recommended Childhood Immunization Schedule United States, January - December 1999

Vaccines¹ are listed under routinely recommended ages. [Bars] indicate range of recommended ages for immunization. Any dose not given at the recommended age should be given as a "catch up" immunization at any subsequent visit when indicated and feasible. (Ovals) indicate vaccines to be given if previously recommended doses were missed or given earlier than the recommended minimum age.

Age ▶ Vaccine ▼	Birth	1 mo	2 mos	4 mos	6 mos	12 mos	15 mos	18 mos	4-6 yrs	11-12 yrs	14-16 yrs
Hepatitis B ²	Hep B		Hep B		Hep B					(Hep B)	
Diphtheria, Tetanus, Pertussis ³			DTaP	DTaP	DTaP		DTaP ³		DTaP	Td	
<i>H. influenzae</i> type b ⁴			Hib	Hib	Hib	Hib					
Polio ⁵		IPV	IPV	Polio ⁵					Polio		
Rotavirus ⁶		Rv ⁶	Rv ⁶	Rv ⁶							
Measles, Mumps, Rubella ⁷						MMR			MMR ⁷	(MMR ⁷)	
Varicella ⁸						Var				(Var ⁸)	

Approved by the Advisory Committee on Immunization Practices (ACIP), the American Academy of Pediatrics (AAP), and the American Academy of Family Physicians (AAFP).

Recommended Childhood Immunization Schedule United States, January - December 2010

Vaccines¹ are listed under routinely recommended ages. **Bars** indicate range of recommended ages. Any dose not given at the recommended age should be given as a "catch up" immunization when indicated and feasible. **Ovals** indicate vaccines to be given if previously recommended or given earlier than the recommended minimum age.

Age Vaccine	Birth	1 mo	2 mos	4 mos	6 mos	12 mos	15 mos
Hepatitis B ²	Hep B						
		Hep B		Hep B			
Diphtheria, Tetanus, Pertussis ³			DTaP	DTaP	DTaP		DTaP
							DTaP

-  Extras
-  Names
-  Dates
-  Undo
-  Find
-  Assist
-  Dock

Obstetric Calculator

GA: 14 wks 1 day(s)

EDC: Sun, Aug 6, 2000

LMP: Sun, Oct 31, 1999

BPD(mm): _____

FL(mm): _____

Date: Mon, Feb 7, 2000
Today

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H Litoff, MD

2-641-2921



s m A R TTM a p p s b y

Archimedes Az

Aa Gradient

FIO2 (% or decimal) 0.21

BarPress (mmHg) 760

pH2O at SeaLevel 47

PaCO2 (mmHg) 40

PaO2 (mmHg) 62

Aa Gradient in mmHg 37.73

PaO2 (mmHg) 62

del	=	/	*
7	8	9	-
4	5	6	+
1	2	3	↵
0	.		

New Run

Extras Names Dates Undo Find Assist Dock

Future Directions

- Smaller faster machines
- Wireless connectivity hospital office and internet
- Portable electronic medical record