



# Cerner Diabetes Initiative

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Vice President  
NCVHS Hearing  
November 12, 2004



## Experience Guides Development and Implementation

### Primary Driving Factors

1. Manage Health
2. Manage Costs
3. Manage Efficiencies

### Users of Health Records

- Healthy but Concerned
- Healthy but @ Risk (e.g. Family Hx Concerns)
- Chronically Ill (e.g. CHF, Diabetic, COPD, etc.)
- Proxy for Healthcare (e.g. "Parents and Peds" - Hospice, General Familial Needs, Guardians, etc.)
- Those Seeking Efficiencies (e.g. View my Appointments, HSA's, Clinician/System Interaction, Refills, etc.)

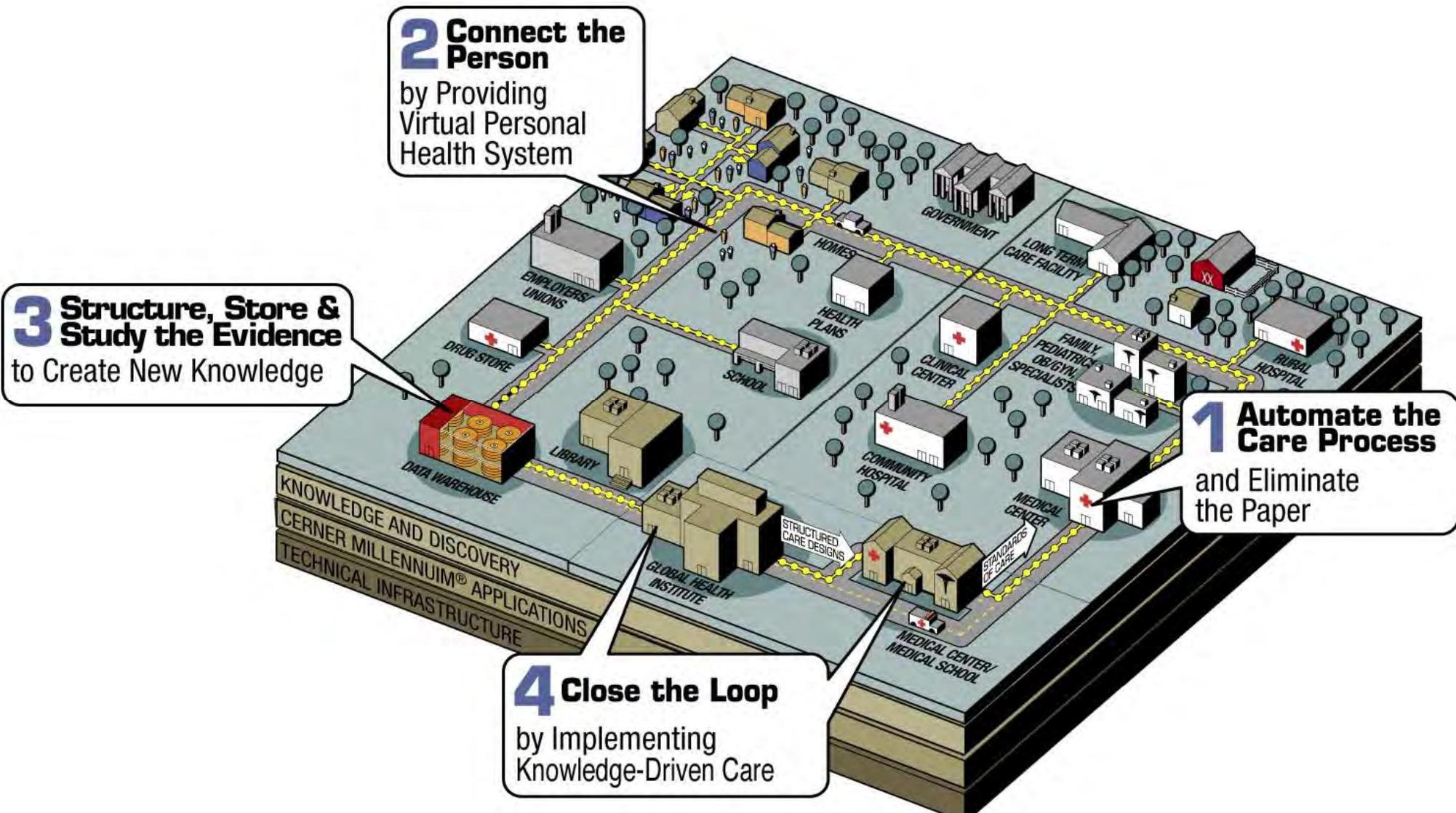
***"...Increasing prevalence of obesity accounted for 12% of the growth in healthcare spending from 1987 to 2001."*** - Emory University Study, Modern Health, October 25<sup>th</sup>, 2004





## Cerner's Community Model Is Reality

266 Unique Clients Live, 642 Unique Sites Live (As of 7/04)







## Cerner Clients Connect The Person

Organization Type	Market	Disease Center(s)	Goal
99 bed community hospital	Community hospital; focus on disease mgmt	Diabetes	Contain patient base – improve community health
3 Hospital IDN	Small metropolitan; competitive	Pediatric Diabetes, Asthma	Improve care process – reduce paper
3 Hospital IDN	Community hospital(s) – extend services	CHF, Diabetes	Improve efficiency; extend services; marketing; VISION
2 Hospital IDN	Community hospital(s) – extend services	Asthma, Diabetes, CHF; Cancer	Community Health; School system; health plan benefit

- 28 signed clients
- 14 LIVE clients
- 11,095 consumers
- 1550 physicians



Spectrum Health



# Cerner Diabetes Initiative



MEDIA RELEASES

CERNER MEDIA: Justin Scott  
(816) 201-6438 jscott@cerner.com

CERNER INVESTORS: Allan Kells  
(816) 201-2445 akells@cerner.com

SENTARA MEDIA: Public Relations  
(757) 552-7200 pr@sentara.com

## Cerner to provide records for juvenile diabetics

Kansas City, Mo.-based Cerner Corp. will spend \$25 million over 10 years to provide personal health records to up to 1.3 million children with juvenile diabetes, enabling them to connect with their physicians to transmit test results, improve care management and reduce physician visits and hospital admissions.

Neal Patterson, chief executive officer and chairman of the board at Cerner, told *Modern Healthcare* today that the healthcare technology company is working with 12 children's hospitals, including Children's Hospital Boston, Children's Hospital Los Angeles and Children's Mercy





## Diabetes And The Internet Provide Opportunity

### Type I Diabetes

- Every year, **13,000 children** are diagnosed with diabetes (JDF)
- One in every 400 children and adolescents has type 1 diabetes (ADA)
- The risk of developing type 1 diabetes is higher than all other severe childhood chronic diseases (ADA)
- Type 1 diabetes costs almost **\$100 billion** (JDF)
- Life expectancy for diabetics is an average **15 years shorter** (JDF)

### Internet Usage

- **73 percent** of adults are now online, 44 percent have broadband (Harris Online)
- **More than 75 percent** of ages 12 -17 use the Internet (Pew Internet & American Life)
- Internet is a primary channel of health information for more than **80 million consumers** (Manhattan Research)
- The Internet has had a major impact on the way **50% of U.S. physicians** practice medicine (AMA)



# Cerner Diabetes Initiative



## Cerner's Portal For The Juvenile Diabetes Foundation

@ Cerner Corporation: Health Care Information T...

Back Forward Stop Refresh Home AutoFill Print Mail

**CERNER** Innovation you can trust.

Home Solutions Consulting Technologies Support Events About Cerner UNITED STATES

### Children's Type 1 Diabetes Initiative

Cerner recently announced its plan to provide a personal health record (PHR) to every child with Type 1 diabetes in the United States to better monitor and treat this chronic condition. Through the program, Cerner will work with hospitals across the country to provide a secure physician connection to participants, creating a national network to help improve health outcomes for children with diabetes. If you have any other questions, please contact [diabetes@cerner.com](mailto:diabetes@cerner.com).

[FAQ](#) [Articles](#) [IQ Health](#)

Fill out a form below to request more information.

#### Parents, Children

who want more information

If your child or a child you know has type 1 diabetes and you would like to more information about this program, please complete the form below.

Name

E-mail

Zip Code

Phone #

#### Clinicians, Administrators

who want more information

If you are a clinician or an administrator who cares for children with type 1 diabetes and would like more information about this program, please complete the form below.

Name

E-mail

Zip Code

Phone #

#### Suppliers, Partners, Organizations

who want more information

If you are a supplier, partner or organization who cares for children with type 1 diabetes and would like more information about this program, please complete the form below.

Name

E-mail

Zip Code

Phone #

### Diabetes News

- Oct. 12, 2004  
[Cerner to provide Personal Health Records to Kids with Diabetes](#)

### Articles

- View the [NBC News segment](#)
- Read the [CNN story](#)
- Read the [Modern Healthcare story](#) (free registration required)

**CERNER**





# Cerner Diabetes Initiative



## Functionality For The Patient

My Diary

My Diary Summary

My Plan

Assessments - custom

Health content - custom

Submission to clinician

Connectivity with clinician

Time:	Select Short	Select Long
Breakfast:	<input type="text"/>	<input type="text"/>
AM Snack:	<input type="text"/>	<input type="text"/>
Lunch:	<input type="text"/>	<input type="text"/>
PM Snack:	<input type="text"/>	<input type="text"/>
Supper:	<input type="text"/>	<input type="text"/>
Bed Time:	<input type="text"/>	<input type="text"/>
Other:	<input type="text"/>	<input type="text"/>

Blood Glucose:		Insulin:
From	To	Units
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Humalog	Lente
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	Breakfast	AM Snack	Lunch	PM Snack	Supper	Bed Time	Other
DAY 09/29/2002	...	...	...	...	...	...	...
DAY 09/30/2002	...	...	...	...	...	...	...
DAY 10/1/2002	9	2	3	66	5	6	7
ESDAY 10/2/2002	1	11	3	4	5	6	7



# Cerner Diabetes Initiative



## Functionality For The Clinician

- Connectivity with patient
- View patient record
- Lab results
- Enrollment, program management, patient tracking

**Cerner Web Experience - Microsoft Internet Explorer**

Worklist: **Swift, Ted** MRN: 259 Age: 54 Y Gender: Male DOB: 10/1/1950 PCP: Beller, Michael

**Chart**

Patient Summary View

**Orders**

- Vital Signs
- Lab
- Medications
- Current
- Summary
- Prescription
- Inpatient
- Outpatient
- Drug Flowsheet
- MAR
- Radiology
- Problems/Dx
- Problems
- Diagnosis
- Procedures
- Allergies
- Physician Notes

**Patient Demographics**

**Swift, Ted**  
54 Y M 10/1/1950  
Aetna Missouri POS Open  
MRN: 259  
Home Address: 100 Main St., London, UT 84042 USA  
Home Phone: 8017850909

**Allergies Add...**

Allergy	Reaction
penicillin	Hives
Sensitivity	Reaction

**Medications, Current (All Active)**

Prescriptions

- Celebrex 200 mg oral capsule: 1 ca
- Vasotec 2.5 mg oral tablet: 1 tab(s)
- Zestril 20 mg oral tablet: 20 mg | 1

**Diagnosis Add...**

Diagnosis	Code	Onset
CELLULITIS AND ABSCE...	682.9	2/25/...
Hyperlipidemia	272.4	2/16/...
Hypertension	64176011	2/4/2...
Hypertension, essential	401.9	2/7/2...
ROUTINE INFANT OR C...	V20.2	2/25/...

**Problems Add...**

Current	Code	Onset Date
Hyperlipidemia	272.4	1/1/1999
Hypertensio...	401.9	1/1/1994

**Visits**

Clinical Diagnosi	Type	LOS
Hyperlipidem...	Outpatient	4 D

**Vital Signs**

10/20/2004 → 1/31/2004 →

5/16/2004  
12:00:00 AM

**Vital Signs**

Temperature Oral DegC

**Inbox** 5 Unread, 8 Urgent

Incoming (76) New Message Actions...

Show Last 3 Months (Since 11/17/2003 9:59 AM)

Patient	Subject	Status	Date & Time
Kramer, Lisa	Message -		2/4/2004 12:25 PM
Holbrook, Rick	Message - On Call Update on Patient Holbrook	!	2/11/2004 1:03 PM
Kramer, Cosmo	Message - Kramer, Cosmo was admitted to the ER	!	2/12/2004 4:15 PM
Kramer, Lisa	12-FFR-2004.16:15:19 America/Chicann		
Kramer, Lisa	In Chart - Re: Med Renewal		2/16/2004 1:21 PM

**Notes (29 total)**

Donaubauer, Chad

Donaubauer, Chad

Carter, Catherine D

Kramer, Lisa

Boyd Jr., Jacob L

**Details**

MRN: 77000144  
DOB: 1/1/1979  
Age: 25 Y  
Gender: F

View Chart...

From: Dahlhauser, Sarah  
Received: 2/16/2004 1:21 PM  
Called: -  
Tel.: -  
Preview: -

Reply Forward Defer Delete

**Patients**

Show: Jim Poteet Custom List

Name	Age	Sex	DOB	MRN
Camona, Ramona Lisa				746
Carr, M				
Carroll, N				
Carter, James	M 49 Y			77000290
Cass, E				
Cawtheray, B				
Diego, Raul Santana	U 28 Y		6/29/2003	b MRN1277
Fung, Margene	F 83 Y		2/19/2003	01 77000035
Jones, Joyce A	U 29 Y		4/29/2003	f MRN1255
Noir, Charlene Leah	F 41 Y		4/29/2003	A MRN1267
Prifty, Brian T	M 33 Y		12/18/2003	206 77000037

**Schedule** Tuesday 2/10/2004

Poteet, Jim Actions... Day Week Month

10:00

10:05 Consult Visit (2004) Culp, BAF

10:10

10:15

10:20

10:25 Consult Visit (2004) Stetler, David

10:30

10:35

10:40

10:45

10:50

10:55

11:00 Consult Visit (2004) Culp, BAF

11:05

11:10

11:15

11:20

11:25

11:30

11:35 Consult Visit (2004) Culp, BAF

11:40

11:45

11:50

11:55

12:00

12:05 Consult Visit (2004) Culp, BAF

12:10

12:15

12:20

12:25

12:30

12:35

12:40 Consult Visit (2004) Culp, BAF

12:45

12:50

12:55

13:00

13:05

Jump to date: 2 / 16 / 2004 Go



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