

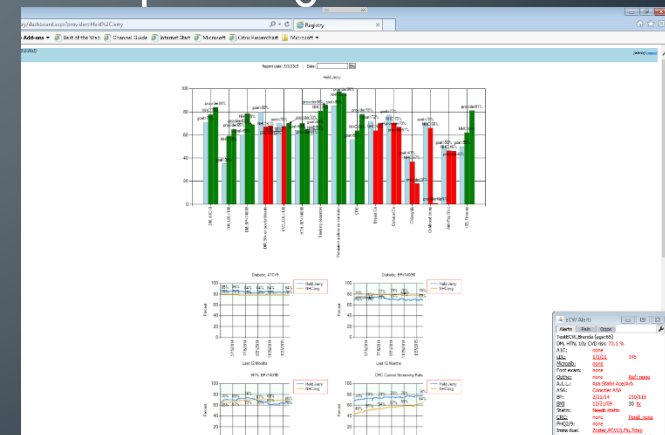
# Improving the Use of CV Risk Calculators

One Community Health Center's Experience

Jim Schultz, MD, MBA, FAAFP, DiMM

# Clinical Decision Support Tools

- Data
- Trusted
  - validated and reproducible over time
- Delivered to the right person
- Without asking
  - No separate logon
- At the right time
  - When they are seeing the patient or during pre-visit planning
- Making it easy to act on
  - Click to take the right action
- With backup references



# ASCVD Risk Calculator at Point of Care

- (show eCW alerts app)
- (show related eCW alerts features eg BP, ALL)
- (show bp ranking)
- (show clinical measures bar graph)
  - ACTIVE BAR WITH REGISTRY LIST

eCW Alerts

Alerts Pain Stats Opps

TertECW, Brenda (age:65)

DM, HTN, 10y CVD risk: 73.1 %

A1C:	none	
LDL:	1/1/01	145
Microalb:	none	
Foot exam:	none	
Ophtho:	none	Ref: none
A.L.L.:	Asa Statin Ace/Arb	
ASA:	Consider ASA	
BP:	2/21/14	210/115
BMI:	12/21/09	30 tx
Statin:	Needs statin	
CRC:	none	Pend: none
PHQ2/9:	none	
Imms due:	Zoster, PCV13, Flu, Tdap	
Tobacco:	Not assessed	Counseled

# Actionable eCW Alerts App

The screenshot displays the eClinicalWorks (eCW) interface for a patient named TestECW, Brenda, 65 Y, M. The main window shows the 'Progress Notes' section with various tabs like 'Medical Summary', 'OB Summary', etc. A central window titled 'eCW Alerts' is open, displaying a list of alerts for the patient. The alerts include:

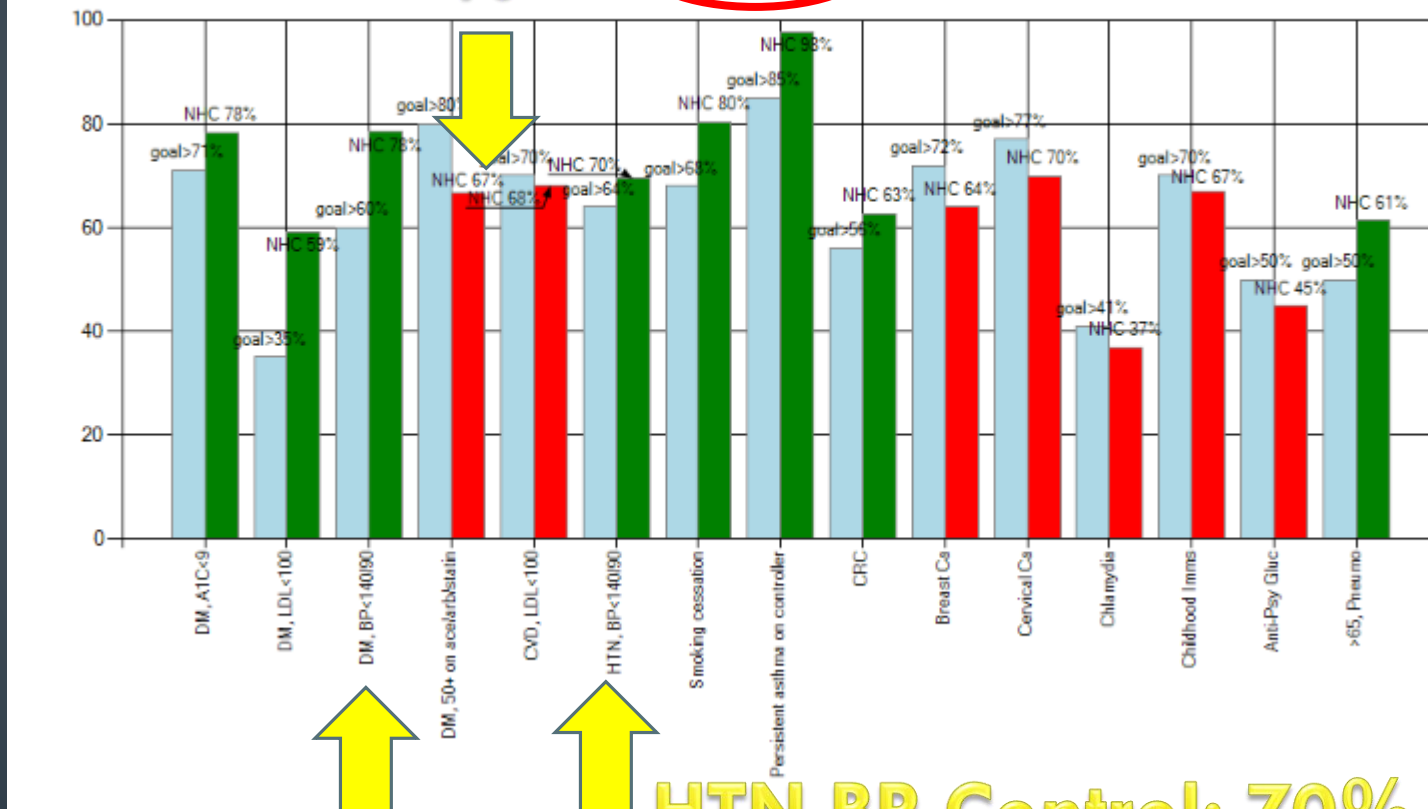
- DM, HTN, 10y CVD risk: 73.1 %
- A1C: none
- LDL: 1/1/01 145
- Microab: none
- Foot exam: none
- Ophtho: none Ref: none
- A.L.L.: Asa Statin Ace/Arb
- ASA: Consider ASA
- BP: 2/21/14 210/115
- BP: 12/21/09 30 tx
- Statn: Needs statin
- CRS: none Pend: none
- PHQ2/S: none
- Imme due: Zoster, PCV13, Flv, Tdap
- Tobacco: Not assessed Counseled

The interface also shows a sidebar with user avatars, a top navigation bar with 'File Patient Schedule EMR Billing Reports CCD Fax ePayment Tools Community Meaningful Use | Lock Help', and a right-hand panel with 'UpToDate' and a 'Global Alerts' section listing items like 'Missed Appts', 'Violated Pain Contract', and 'Patient Discharged from Medical Sites'.

# Instant Evaluation and Population Management Tools- Registry Report Cards

**ALLHeart: 67%**

NHC avg



**DM BP Control 79%**

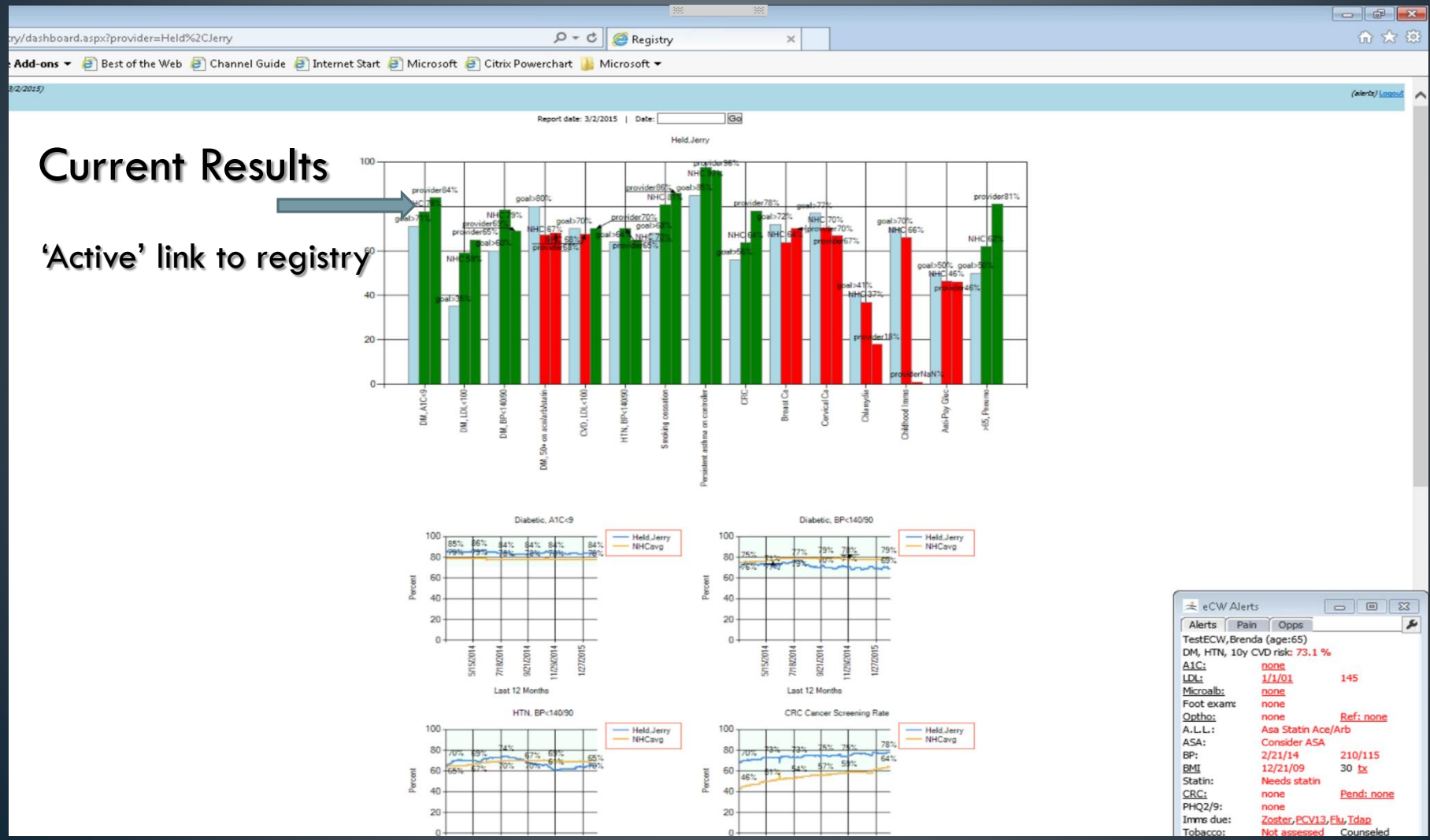
**HTN BP Control: 70%**



# Robust Report Cards: 'Active' Comparison Bars → Registry

## Current Results

'Active' link to registry



**eCW Alerts**

Alerts   Pain   Opps

TestECW, Brenda (age:65)

DM, HTN, 10y CVD risk: 73.1 %

A1C: none

LDL: 1/1/01 145

Microalb: none

Foot exam: none

Ophtho: none Ref: none

A.L.L.: Asa Statin Ace/Arb

ASA: Consider ASA

BP: 2/21/14 210/115

BMI: 12/21/09 30 bx

Statin: Needs statin

CRC: none Pend: none

PHQ2/9: none

Imms due: Zoster, PCV13, Flu, Tdap

Tobacco: Not assessed Counselled

# Robust Report Cards- Registry

Filter: Needs statin/arbitrin (DM, S0+ +ALLHEART) Facility: (any) Provider: Patel,Rakesh Search

Insurance: (ignore) Accounts: ( )  Hide Done/Suppressed  For export 43 records retrieved.

Patient	Provider	Insurance	Dr	BP	A1C	LDL	On Aca/Arb / Statin	Smoker / date - Curren/rel	Last Appt	Next Appt	#ER V/Us	CVD Risk	FTT	Duke	Glucos	TDR	Needs	Notes
66314	Patel,Rakesh	Medicare FQHC - El Capon	DM, HTN	124 / 55 : 10/14/2014	6.2 : 1/29/2015	16 : 1/29/2015	N/Y	N : 10/14/2014	1/29/2015	1/6/2015	0	51.2%		0	0	1/1/00		92 yrs old. <a href="#">[...]</a> <a href="#">[Done]</a>
8868.1	Patel,Rakesh	Medicare FQHC - El Capon	DM, HTN, CVD	138 / 55 : 1/13/2015	8.8 : 1/13/2015	71 : 1/13/2015	N/Y	N : 1/13/2015	1/14/2015	2/23/2015	1	40.8%	1/2015:pos	1	168	1/1/00	pneumo	<a href="#">[...]</a> <a href="#">[Done]</a>
01096.1	Patel,Rakesh	CHG Medi-Cal El Capon	DM, HTN	92 / 31 : 1/30/2015	9.7 : 1/23/2015	112 : 1/23/2015	N/Y	N : 1/30/2015 - N	1/30/2015	2/19/2015	0	38.2%	6/2013:neq	0	0	1/1/00		not a candidate for stat. will r/s form about lab <a href="#">[...]</a> <a href="#">[Done]</a>
8833.1	Patel,Rakesh	Medicare FQHC - El Capon	DM	104 / 51 : 1/2/2015	6.8 : 9/4/2014	55 : 1/15/2014	N/Y	N : 1/2/2015	1/2/2015	7/18/2014	0	38%		0	0	1/1/00	pneumo,LDL	not a candidate for stat. <a href="#">[...]</a> <a href="#">[Done]</a>
6473.1	Patel,Rakesh		DM, HTN	155 / 87 : 1/28/2015	10 : 6/5/2014	179 : 6/5/2014	N/N	N : 6/5/2014	1/28/2015		0	36.1%	2/2014:neq	1	0	1/1/00	AUC,LDL	<a href="#">[...]</a> <a href="#">[Done]</a>
31047	Patel,Rakesh	Medicare FQHC - El Capon	DM	118 / 60 : 4/18/2014	9.7 : 4/7/2014	92 : 9/23/2013	N/Y	N : 4/18/2014	4/18/2014	1/30/2015	0	32.1%		0	0	1/1/00	AUC,LDL	<a href="#">[...]</a> <a href="#">[Done]</a>
8524.1	Patel,Rakesh	Communiare MEDICARE HMO	DM, HTN	129 / 71 : 11/10/2014	7.9 : 10/13/2014	69 : 6/30/2014	N/Y	N : 11/10/2014	11/10/2014	11/10/2014	0	24.8%		0	0	1/1/00	A1C	<a href="#">[...]</a> <a href="#">[Done]</a>
05614.1	Patel,Rakesh	Medicare FQHC - El Capon	DM, HTN	123 / 71 : 10/20/2014	9 : 9/29/2014	89 : 9/29/2014	N/Y	Y : 10/2/2014 - 10/02/2014	10/20/2014	10/20/2014	0	22.9%	8/2013:neq	1	0	1/6/11	A1C	no visit <a href="#">[...]</a> <a href="#">[Done]</a>
41836	Patel,Rakesh	Molina Medi-Cal El Capon	DM, HTN, CVD	140 / 74 : 9/15/2014	7.8 : 1/30/2015	103 : 11/17/2014	N/Y	N : 9/15/2014	1/30/2015	2/26/2015	0	21.5%	11/2014:neq	0	0	1/1/00	BP	will schedule 1/2015 <a href="#">[...]</a> <a href="#">[Done]</a>

BP	A1C	LDL	On Aca/Arb / Statin
124 / 55 : 10/14/2014	6.2 : 1/29/2015	16 : 1/29/2015	N
138 / 55 : 1/13/2015	8.8 : 1/13/2015	71 : 1/13/2015	N/Y
92 / 31 : 1/30/2015	9.7 : 1/23/2015	112 : 1/23/2015	N/Y
104 / 51 : 1/2/2015	6.8 : 9/4/2014	55 : 1/15/2014	N/Y
155 / 87 : 1/28/2015	10 : 6/5/2014	179 : 6/5/2014	N/N
118 / 60 : 4/18/2014	9.7 : 4/7/2014	92 : 9/23/2013	N/Y
129 / 71 : 11/10/2014	7.9 : 10/13/2014	69 : 6/30/2014	N/Y
123 / 71 : 10/20/2014	9 : 9/29/2014	89 : 9/29/2014	N/Y

# Registry Notes

014	N/Y	Y : 11/11/2014 - 05/14/2014	11/11/2014	11/11/2014	0	17.3%	5/20
203							
014							
15							
014							
014							
201							
14		Y : 11/3/2014	11/4/2014	11/3/2014	1	12%	Pen
14		Y : 1/28/2015	1/28/2015	3/11/2015	0	12%	9/20
015	Y/N	Y : 1/20/2015 - 08/22/2014	1/20/2015	4/22/2015	0	11.7%	Pen

**Patient Details**

**Suppress for:**

- (not suppressed)
- 1 week
- 2 weeks
- 1 month
- 3 months
- 6 months
- 1 year
- Forever

**Note**

Appt. 01/12/2015

OK Cancel



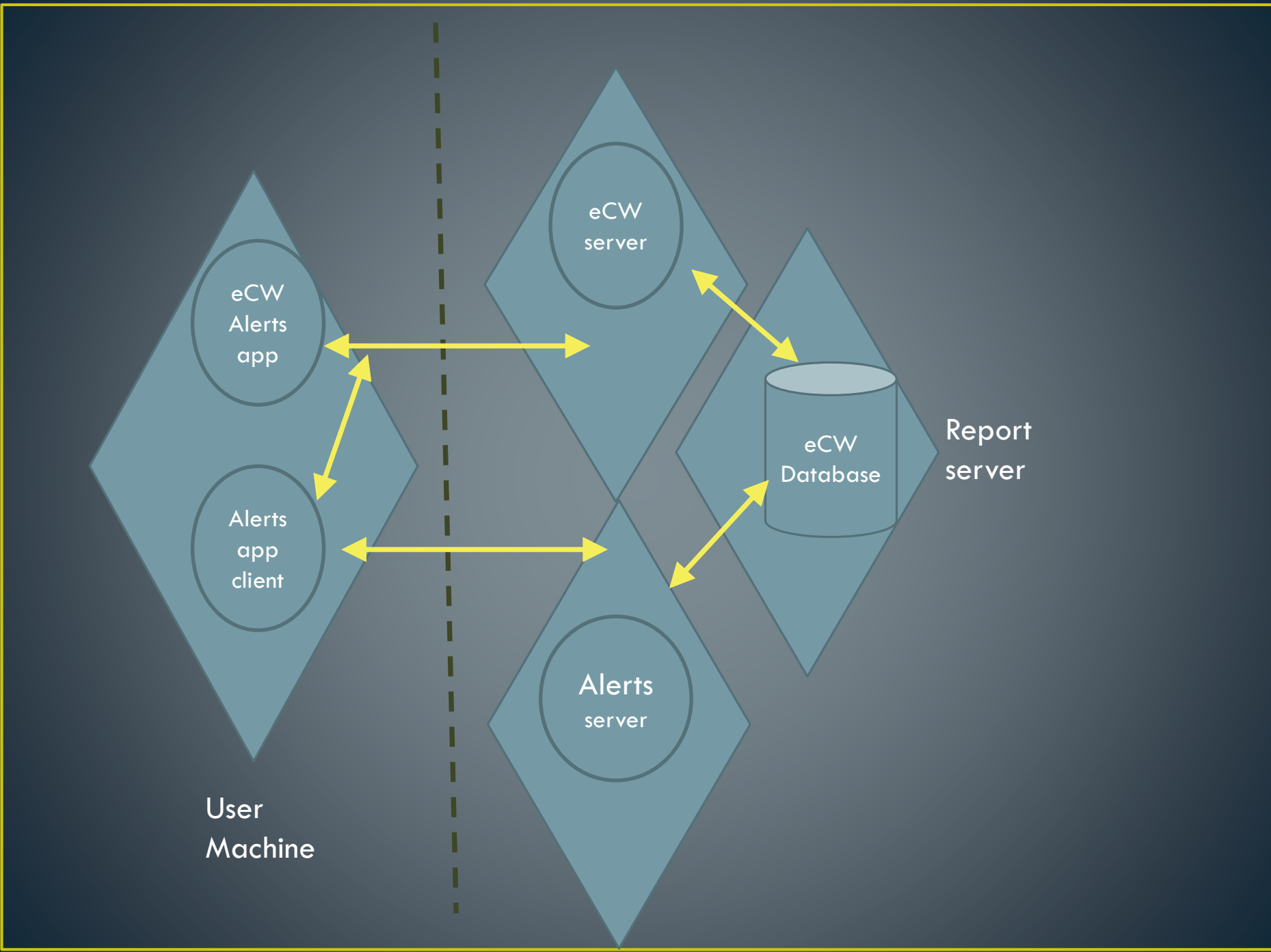
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- Data
- Trusted (validated and reproducible over time)
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# Geeky Stuff

- Alerts App Tech:
  - 'Simple' SQL programming
  - Access to data tables (we own the data)
    - Contractual issue
    - Optional report server
    - Secure, high bandwidth connection to data tables





User  
Machine

eCW  
Alerts  
app

Alerts  
app  
client

eCW  
server

Alerts  
server

eCW  
Database

Report  
server