

How the VDW will Change Your Life

CRN Scientific Data and Resources
Core

The VDW

- A **Virtual** Data Warehouse
- Purpose
 - Increase efficiency – allow program written at one HMO to be run at other HMOs with little modification
 - Encourage consistency – document issues once
 - Faster turn around time on requests

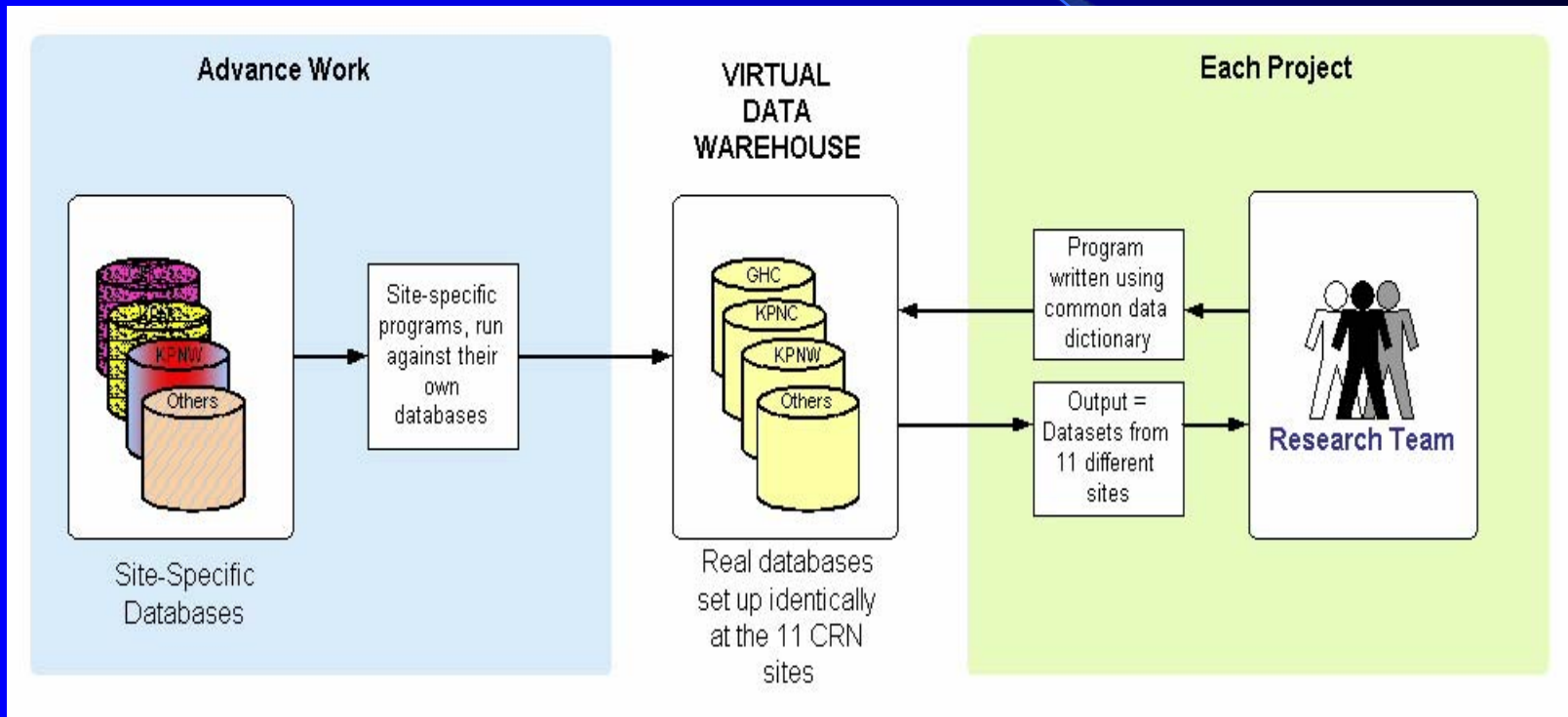
What the VDW is NOT

- NOT a Data Coordinating Center
- NOT a Centralized Data Warehouse
 - Raw data remains at each HMO
- NOT a Standard that will be enforced on all research projects

What the VDW IS

- Mapping local HMO data into consistent data structure; documenting differences
- A program written at one HMO can be run almost without change at another HMO.
- Will insure that HMOs all have consistent variable names (for example birth date variable name is Birth_Date, not Bdate, Brthdat, BirthDT)

What is the CRN VDW?



VDW Data Areas

- Tumor
- Enrollment
- Demographics
- Outpatient Pharmacy
- Procedures and Diagnoses
- Lab

General Principles of VDW Use

- Access is open to all HMORN projects
- Projects must pay their own way to use
- Transfer the minimum data necessary
- We need safeguards to prevent project duplication
- Track project use to report on renewal

CRN Project use of VDW

- Get CRN New Proposals Committee approval
- Programmer at lead site writes, tests, and distributes programs
- Get local site IRB approval
- Local CRN Site Data Managers run program locally and send data back to lead site

Non CRN Project Use of VDW

- Programmers at lead site writes, tests and distributes programs
- Get local site IRB approval
- Project programmers at local HMOs run program locally and send data back to lead site

VDW of the Future - 1

- The Present

- CRN and CERT have committed to using the same data dictionary and a single VDW
 - We are currently working on implementing this
- CCSN (“the BAA”) will explore where the VDW meets the project’s needs

VDW of the Future - 2

- Adopt as HMORN “official” VDW for multisite projects?
- Develop process to change the VDW as new projects request new data.
 - Make decision to integrate new fields into the VDW structure
 - Local data teams at each HMO that cross the multisite projects



New VDW Website

vdw - Microsoft Internet Explorer provided by Group Health Cooperative

File Edit View Favorites Tools Help Back Forward Stop Home Favorites Print

Address <https://www.kpchr.org/crn2/apps/vdw/vdw.aspx>


Search Bookmarks Your History Diary Sign In A9 Lists Site Info Block Popups

CRN Virtual Data Warehouse

[Investigator Introduction](#)
[Programmer Introduction](#)
[Content Matrix Lexicon](#)
[Excel Matrix](#)

[What is the VDW?](#)
[How do I use the VDW?](#)
[What types of data are in the VDW?](#)
[What is the Data Dictionary?](#)
[Do I need IRB approval to use the VDW?](#)
[Pre-proposal procedures](#)
[Post-award Procedures](#)
[How do I merge data across sites?](#)


[More VDW & project files](#)

	Content Matrix	Overview Descriptions	Data Dictionary	Data Issues by HMO	SAS Code	Counters & Crosstabs
Ambulatory mental health care						
Ambulatory visits						
Analytical Tools						
Chemotherapy						
Cost Information						
Durable medical equipment						
Emergency Room Visits						
Enrollment/ Demographics						
Genetic testing						
Home health visits						
Hormone therapy						
Hospice visits						
Imaging procedures						
Inpatient: discharge						
Inpatient: mental health care						
Inpatient: same day surgery						
Laboratory tests						
Long-term care stays						
Other care						
Other therapy						
Palliative care visits						
Pathology Results						
Pharmacy						
Radiation therapy						

<https://www.kpchr.org/CRN2/apps/display/dsContent.aspx?Content=20050315wevvdwmatrixlexicon.xls>

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VDW Quality Improvement

- Check that data structure matches the dictionary
- Simple Frequencies by variable

VDW QI Product

Microsoft Excel - Idea of displaying QI data 20050321.xls

File Edit View Insert Format Tools Data Window Help Acrobat

K35

Variable		GHC			HPHC			HPRF			etc
Value		Count	%	Value	Count	%	Value	Count	%		
enr_month	1	8552939	8.72								
	2	8552757	8.72								
	3	8546799	8.71								
	4	8009773	8.17								
	5	8008404	8.16								
	6	8010036	8.17								
	7	8043825	8.20								
	8	8044495	8.20								
	9	8044601	8.20								
	10	8081117	8.24								
	11	8089998	8.25								
	12	8101792	8.26								
Race1		2047	0.35								
of those	White	81670	14.15								
enrolled	Black	3671	0.64								
Dec 2002	American Indian, Aleutian, or Eskimo	1662	0.29								
	Chinese	52	0.01								
	Japanese	131	0.02								
	Filipino	133	0.02								
	Hawaiian	11	0.00								
	Korean	42	0.01								
	Asian Indian, Pakistani	27	0.00								
	Vietnamese	13	0.00								
	Laotian	4	0.00								
	Hmong	1	0.00								
	Kampuchean	5	0.00								
	Thai	1	0.00								
	Guamanian, NOS	9	0.00								
	Samoaan	6	0.00								
	Tongan	2	0.00								
	Melanesian, NOS	1	0.00								

Sheet1 / Sheet2 / Sheet3

Ready

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IRB Issues Using VDW

- It is local HMO data. Issues are the same as using any of your local site data
- Verify local site IRB approval prior to running a VDW program

When is New IRB Approval Required?

- Counts for project feasibility
- Pilot data
- Full project implementation

- Goal: Obtaining counts for project feasibility has been approved by local IRBs