WELCOME!

Data Done Right Data Quality vs. Data Accuracy

Thursday, October 17th, 2019





Getting to Know You!

If you could only eat one meal for the rest of your life, what would it be?





AGENDA

- In Your Opinion
- Defining Data Quality
- Defining Data Accuracy
- How Do We Evaluate Bad Data
- Assess Your Data-Know What You Need to Focus On
- Activity Time
- Why Bad Data Happens
- How to Avoid Bad Data: Clean Up Efforts and Recommendations
- Helpful Reports for Data Quality
- Activity Time
- Tips
- Resources
- Contact Information









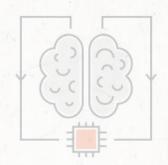












In Your Opinion

What is Data Quality?

What is Data Accuracy?

What do you think are the most common Data Entry Errors that you have noticed?









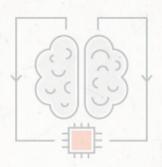














Defining Data Quality

- Data quality looks at the ability of data to be reliable
 enough to serve a specific purpose
- Data quality possesses certain characteristics that determine whether the quality is sufficient (we will be looking at these shortly)
- There can be numerous ways to measure data quality but typically certain categories are used (we will be looking at these shortly)







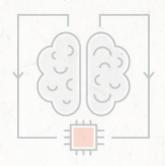






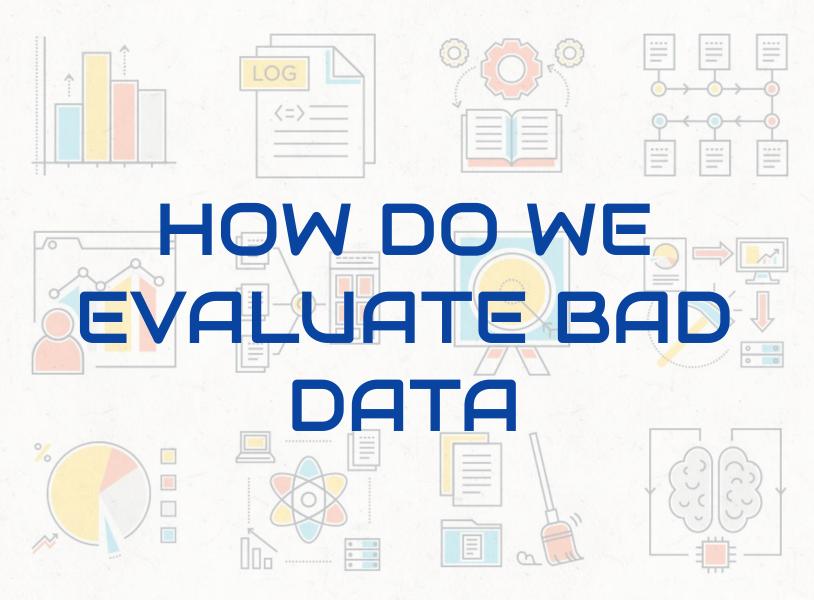






Defining Data Accuracy

- Data has to be accurate to be high quality
- Accuracy means the data reflects the reality
- It's important to note that data could be complete, yet remain inaccurate (e.g., you might have the addresses of your entire clientele, but some of these addresses might be incorrectly spelled)
- Accuracy is evident when the data in HMIS reflects the actual characteristics and experiences of clients
- Aggregate reporting hinges on accuracy of data that is consistently formatted and entered





How Do We Evaluate Bad Data?

Data dimensions that assist in making these decisions

Completeness	Are all the data sets and data items recorded			
Consistency	Can we match the data set across data entered			
Timeliness Determines how up-to-date the data is in terms of current task				
Availability	Data shouldn't be hard to access, but be readily available to everyone that requires it			

Data Completeness

- ► HMIS records that do not include partial or missing data (e.g., partial date of birth, SS# etc.)
- Lack of data completeness can include data from projects not participating in HMIS
- Missing information can negatively affect the ability to provide comprehensive care to clients

- No Null (missing) data for required data elements.
- Don't Know or Refused responses should not exceed the allowed percentage of 5% with the exception of SSN (N/A)

Name	DOB	SSN
Race	Ethnicity	Gender
Veteran Status	Disabling Conditions	Living Situation
Prior Living Situation	Program Start Date	Program Exit Date
Destination *	Relationship to Head	of Household (HoH)

^{*} Don't know/Refused responses for Destination for outreach and shelter projects should not exceed 30%

Data Consistency

- Data is stored in a uniform manner, across all users of HMIS
- Users should have an understanding of when, how and why data should be collected in HMIS, otherwise the data may not be accurate
- Any field where a user can type in the data directly is at high risk (e.g., names|dates|SS#, etc.)

Data Timeliness

- Timeliness reflects the period between when client data is collected/known and when that information is entered into HMIS
- ► If data is not entered into HMIS shortly after it is known, there is a likely increase in the potential for inaccuracies and/or errors in the data once it is entered into HMIS

Data Timeliness

- ► <u>Transitional and Permanent Housing Programs</u>: Entry/Exit data within three (3) workdays
- ► <u>Emergency Shelters and Non-HUD:</u> Enter check-in/check-out with one (1) workday
- Outreach: Create client profile, if necessary, within three (3) workdays. Record outreach services within one (1) workday

Whenever possible, consider entering data during client visits so that clients may help identify potential inaccuracies





Assess Your Data: (Know What you Need to Focus On)

Universal Data Elements (UDE)

- Must be collected by all providers in HMIS from all clients.
- The universal data elements are needed to understand the extent of homelessness, the characteristics of homeless clients, and the patterns of service use for the entire homeless population and subpopulations.

Project Descriptor Data Elements (PDDE's)

- Must be collected from all clients served by programs that report this information to HUD and other organizations and are strongly encouraged for all providers.
- Providers that have HMIS can use the program-specific data elements to complete their APRs.

Assess Your Data: (Know What you Need to Focus On)

Universal Data Elements (UDE)

- Name
- ► SS#
- DOB
- Race
- Ethnicity
- Gender
- Veteran Status
- Disabling Condition
- Project Start Date
- Project Exit Date
- Destination
- Relationship to HoH
- Client Location
- Housing Move-in Date
- Prior Living Situation

Project Descriptor Data Elements (PDDE's)

- Income and Sources
- Non-Cash Benefits
- ► Health Insurance
- Physical Disability
- Developmental Disability
- Chronic Health Condition
- HIV/AIDS
- Mental Health Problems
- Substance Abuse
- Domestic Violence
- Current Living Situations
- Date of Engagement
- Bed-night date
- Coordinated Entry Assessment
- Coordinated Entry Event

Data Timeliness

Rationale of Timeliness	Entering data in a timely manner can reduce human error that occurs when too much time has elapsed between the data collection (or service transaction) and the data entry	Staff doing the data entry may be relying on handwritten notes or their own recall of a case management session, a service transaction, or a program exit date; therefore, the sooner the data is entered, the better chance the data will be correct	Timely data entry also ensures the data is accessible when it is needed, either proactively (e.g. monitoring purposes, increasing awareness, meeting funded requirements), or reactively (e.g. responding to requests for information, responding to inaccurate information)
Factors to Address	Include Timelines & Expectations (when data entry will occur)	Cater to Specific Project Types (e.g., Emergency Shelter, TH, PH, Safe Haven etc.)	For example "All data shall be entered into HMIS in a timely manner" then set forth the days/weeks etc.
Establishing Timelines	Should be specific to CoC's needs	Can be configured to coincide with Federal and/or Local Reporting requirements	Set specific due dates that are reasonable and attainable





Activity #1

	P	Review Process	Review date	Communication	Update Period	Review Updates	Communicate Results
Guide Create a timeline should be entered a project at your d	of when data d into HMIS for	How will you review each data quality item	Set a recurring date (e.g. 2nd Tuesday of the month)	Set a recurring date to send out the results of the review (e.g. 3rd Thursday of the month)	Set a recurring due date for data corrections (e.g. 4th Thursday of the month)	Follow up after corrections were made	Provide a recurring update to the contributing users about the program's data quality
Timeliness	CDQI plan recommends: TH/PH/RRH 3 days ES- beds 1 day SO- CLS 1 day						
Completeness	Are all the data sets and data items recorded						
Accuracy	Data reflects the reality of the clients in the program						
Consistency	Understanding of when, how and why data should be collected in HMIS						
Availability	Data shouldn't be hard to access, but be readily available to everyone that requires it						

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Timeliness	CDQI plan recommends: TH/PH/RRH 3 days ES- beds 1 day SO- CLS 1 day	Review apr and monthly staff report	<mark>Every Tuesday</mark>	Every wednesday	Update within 1 day	Review Friday	Reach out to cm on outstanding issues
Completeness	Are all the data sets and data items recorded	Run HMIS DQ report	1st Thursday of the month	2nd Thursday of the month	Corrections due 3rd Thursday of the month	Review Friday	Reach out to cm on outstanding issues
Accuracy	Data reflects the reality of the clients in the program	Run Program Roster, Program Details, Utilization reports	1st Thursday of the month	2nd Thursday of the month	Corrections due 3rd Thursday of the month	Review Friday	Reach out to cm on outstanding issues
Consistency	Understanding of when, how and why data should be collected in HMIS	Ongoing. Consider conversations and emails where language is inconsistent. Consider common data quality mistakes	Every Tuesday	1st Tuesday of the month	Update list every Tuesday	<mark>1 week before</mark> training	Quarterly training
Availability	Data shouldn't be hard to access, but be readily available to everyone that requires it	Store reports and data quality reviews on a shared drive	First week of the quarter	Remind staff where to find the information 2nd week of the quarter. Ask what is working/not working	Update processes 2nd week of the quarter	1 week before training	Quarterly Training







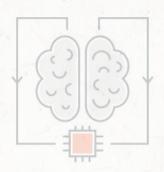














Why Bad Data Happens



Employees are not trained in the importance of data & workflow

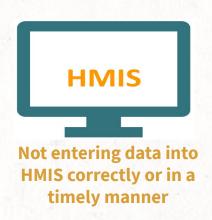


Sometimes the work environment isn't optimal and prevents focus

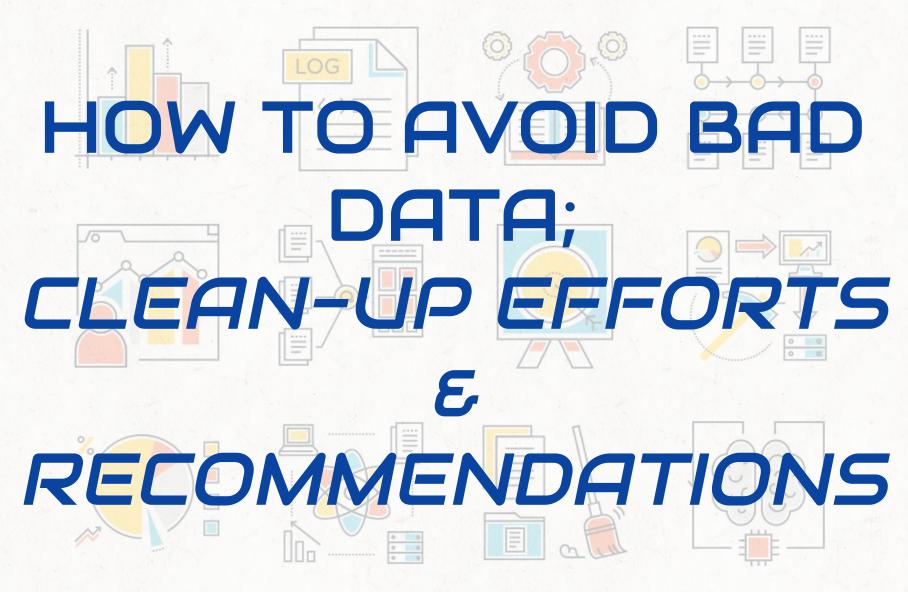


much work











How To Avoid Bad Data Clean Up Efforts and Recommendations

- Understand Workflow Process
- Ongoing Monitoring-ensure data entered is correct and as accurate as possible by checking
 - ROI (Release of Information)
 - Client profile
 - Enrollments
 - Assessments
 - Services
- Try to identify primary sources of inaccuracies and entry errors
 - Transcription errors: typing too fast, accidently hitting the wrong keys (etc.)
 - **Transposition errors**: inputting information in the wrong order (e.g., 2019 is entered as 2091 etc.)
- Enter client data as soon as possible
- Review Data Quality using HMIS Data Quality Report at least once a month
- Correct "null" values as soon as possible
- Double check and re-read your entries
- Ongoing or as needed training (refresher trainings)

How To Avoid Bad Data Clean Up Efforts and Recommendations

In general, you should evaluate and correct data quality quarterly using the following schedule

First Month of Quarter	 Begin data quality review, focused on ensuring the correct number of clients are enrolled and there are no null values Make corrections as needed (e.g., ensure that no required information, such as veteran status, is missing)
Second Month of Quarter	 Review data with relevant program managers and/or staff to verify accuracy of data compared to other records (e.g., ensure that veteran status data entered into HMIS is correct)
Third Month of Quarter	 Assess agency workflow to identify process improvements that may help ensure high quality data is consistently entered into HMIS



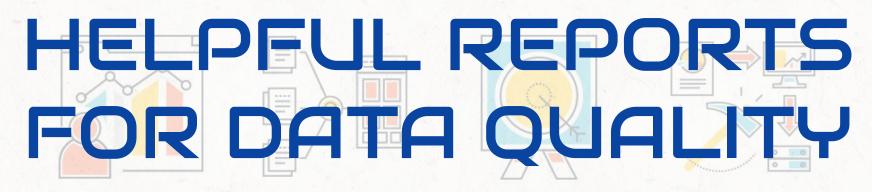
A continuous data quality improvement process facilitates the ability of the CoC to achieve statistically valid and reliable data. It sets expectations for both the community and the end users to capture reliable and valid data on persons accessing your agency's programs and services.







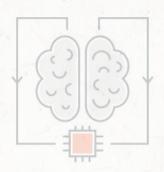
















At a minimum, you should begin correcting data quality issues at least two (2) months before a report is submitted to the agency requesting the report

Helpful Reports: [HUDX-227] APR

25a. Report Validations Table	
Program Applicability: All Projects	
otal number of persons served	2,079
lumber of adults (age 18 or over)	1,500
lumber of children (under age 18)	579
lumber of persons with unknown age	0
lumber of leavers	49
umber of adult leavers	27
lumber of adult and head of household leavers	27
lumber of stayers	2,030
lumber of adult stayers	1,473
lumber of veterans	120
lumber of chronically homeless persons	922
lumber of youth under age 25	47

Q6c. Data Quality: Income and Housing Data Que Program Applicability: All Projects	uality	
Data Element	Error Count	% of Error Rate
Destination (3.12)	1	2.04%
Income and Sources (4.2) at Start	58	3.87%
Income and Sources (4.2) at Annual Assessment	211	27.58%
Income and Sources (4.2) at Exit	1	3.70%

Q6d. Data Quality: Chronic Homelessness Program Applicability: ES, SH, Street Outreach, TH & PH(All) Number of Count of Missing time Missing time Approximate Number of % of records project type in institution in housing Date started times months unable to records (3.917.2)(3.917.2)(3.9.17.3)(3.9.17.4)(3.9.17.5)calculate DK/R/missing DK/R/missing DK/R/missing

0

27

Number of parenting youth

Number of adult heads of h

Number of child and unknov

Heads of households and a

Data Element	Client Doesn't Know/Refused	Information Missing	Data Issues	Total	% of Error Rate
Name (3.1)	2	3	21	26	1.25%
Social Security Number (3.2)	117	2	30	149	7.17%
Date of Birth (3.3)	0	0	20	20	0.96%
Race (3.4)	34	7		41	1.97%
Ethnicity (3.5)	1	2		3	0.14%
Gender (3.6)	0	1		1	0.05%
Overall Score				189	9.09%

Data Element	Error Count	% of Error Rate
Veteran Status (3.7)	2	0.13%
Project Start Date (3.10)	0	0.00%
Relationship to Head of Household (3.15)	3	0.14%
Client Location (3.16)	0	0.00%
Disabling Condition (3.8)	23	1.11%

Report that tracks program progress and accomplishments in HUD's competitive homeless assistance programs. The APR provides the grantee and HUD with information necessary to assess each grantee's performance.

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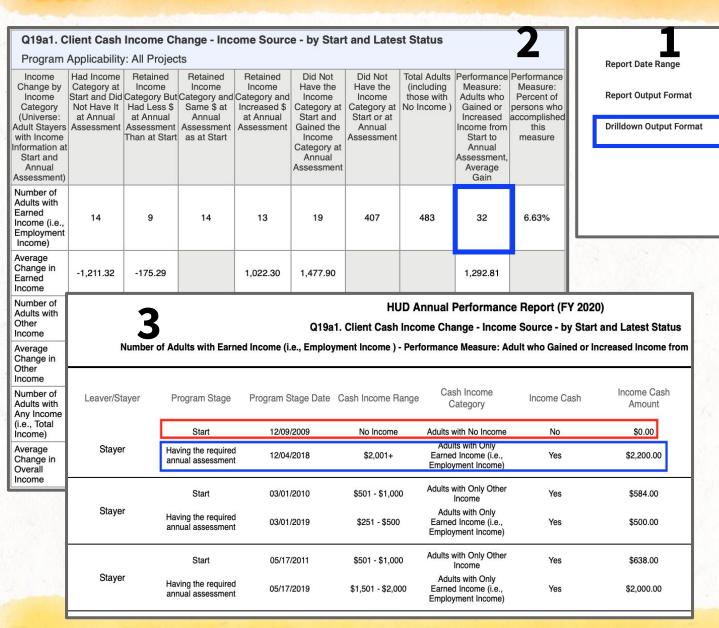
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0.00%

0.00%

4.63% 4.27%

Helpful Reports: [HUDX-227] APR



Select CSV on the Drilldown Output Format to export details for APR categories

O PDF

CSV

10/17/2019

Excel

O CSV-Deta

SUBMIT

10/01/2019

Web Page

O Web Page

Helpful Reports: [DQXX-110] Duplicate Clients

Duplicated Client List

ì	Unique ID	Name	SSN	DOB	Added Date	Staff	Agency Name
	L		xxx-xx-3788	07/11/1979	02/12/2015		Abode Services
	;		xxx-xx-3788	07/11/1979	03/02/2017		Catholic Charities
Y	7		xxx-xx-3949	12/02/1994	04/02/2012		Bill Wilson Center
			xxx-xx-3949	12/02/1994	08/30/2019		Abode Services
)		xxx-xx-0392	02/22/1980	02/07/2008	6.1	Abode Services
	3		xxx-xx-0392	02/22/1980	05/21/2012		City Team Ministries
Y	,		xxx-xx-0000	01/28/1997	05/23/2011		Bill Wilson Center
	,		xxx-xx-0000	02/28/1997	03/31/2010		Abode Services
			xxx-xx-5384	07/21/1952	08/17/2007		HomeFirst
	3		xxx-xx-5384	07/21/1952	09/27/2019		Abode Services
	,		xxx-xx-0000	09/23/2015	01/19/2016		Abode Services
			xxx-xx-0000	09/23/2015	01/19/2016		Abode Services
			xxx-xx-2934	03/20/2012	05/26/2016		Abode Services
	;		xxx-xx-2934	03/20/2012	12/11/2017		HomeFirst
			xxx-xx-0000	02/10/1969	06/05/2017		Abode Services
	2		xxx-xx-0000	03/21/1969	09/17/2019		County: SCVHHS - Ambulatory
	;		xxx-xx-0935	12/17/1980	10/26/2017		HomeFirst
			xxx-xx-0935	12/17/1980	10/19/2018		Abode Services
			xxx-xx-0613	02/03/2011	11/06/2017		Bill Wilson Center
	1		xxx-xx-0613	02/03/2011	11/17/2017		Abode Services
			xxx-xx-8036	02/14/2014	11/06/2017		Bill Wilson Center
			xxx-xx-8036	02/14/2014	11/17/2017		Abode Services
			xxx-xx-0538	04/27/2016	12/12/2017		Abode Services
			xxx-xx-0538	04/27/2016	01/31/2017		Bill Wilson Center
			xxx-xx-3203	06/20/1987	02/22/2018	536 118163	Abode Services
	þ		xxx-xx-3203	06/20/1987	03/28/2018		Family and Children Services
			xxx-xx-3702	10/03/1999	06/22/2018		Abode Services
	9		xxx-xx-3702	10/03/1999	11/13/2018		Center for Employment Training (CET)

This report is designed to provide a list of suggested duplicate clients who are receiving services across different agencies (includes UID, Name, SSN, DOB, Added date, Staff and Agency Name)

If you confirm that these clients are duplicated, reach out to the Bitfocus Help Desk to request a merge. No program enrollment data will be lost.

Helpful Reports: [DQXX-103] Monthly Staff Report

Monthly Staff Report

This report is an automated monthly review of your staff participation in Clarity.

Please note, this is a courtesy email report. All data held within is viewable at any time by accessing the Reports Library within Clarity.

Your Agency Average Data Entry Timeliness (in days)	7
Your Refused DQ Score	1.0%
Your Don't Know DQ Score	1.0%
Your Not Collected DQ Score	6.0%
Your Unique Client Count	2,180

Report Period: 09/15/2019 through 10/15/2019

Informations about the following table

Unique Clients:

New Clients: Unique number of clients newly enrolled in a service or program within the report date range

Unique number of clients newly enrolled in a service or program within the report date range

Unique number of clients currently receiving service within the report date range

Average Timeliness (in Days):

DQ Don't Know:

Average number of days from program/service start date to the time the service/program was recorded in Clarity

Average percentage of Program Specific Data Elements answered Don't Know

DQ Refused: Average percentage of Program Specific Data Elements answered Refused.

DQ Not Collected: Average percentage of Program Specific Data Elements answered Not Collected.

Active Staff							
Name	Unique Clients	New Clients	AVG Timeliness (in days)	DQ % Don't Know	DQ % Refused	DQ % Not Collected	
	23	0	0	0%	0%	2.2%	
	21	9	1	0.5%	0.2%	7.4%	
	15	14	8	1.0%	0%	4.9%	

This report is designed to provides the following:

- General Data Quality
- User Activity (including the number of clients, [both existing and new] that each staff member worked with during the time frame of report.)
- Data quality by data element (e.g. Date of Birth, Race, Ethnicity, Veteran Status, etc.) for all clients served

Active Staff - No Activity						
Name	Last Login	Days Inactive				
	10/12/2019	3				

09/24/2019

10/14/2019

21

4.6%

Disabled Users with Activity							
Name	Unique Clients	New Clients	AVG Timeliness (in days)	DQ % Don't Know	DQ % Refused	DQ % Not Collecte	
	4	0	0	0%	0%	4.6%	
	1	0	0	0%	5.0%	0%	
	8	0	0	0%	0%	5.1%	
	1	0	0	0%	0%	0%	

Locked Users with Activity							
Name	Unique Clients	New Clients	AVG Timeliness (in days)	DQ % Don't Know	DQ % Refused	DQ % Not Collected	
	10	8	8	0%	0%	5.7%	
	1	0	0	0%	0%	0%	
	38	26	2	0.1%	0%	2.3%	

Informations about the following table:

The chart below is based on Program based enrollment data for HUD funded CoC projects. If your project type is not required to collect all of the elements listed below, clients will be counted as "Data Not Collected". This applies to specific elements not required for Federal Partner projects such as PATH, RHY and SSVF or any custom enrollments for non-HUD funded projects.

Data Element	Total Don't Know	% Don't Know	Total Refused	% Refused	Not Collected	% Not Collected
Profile Statistics						
SSN	92	4.4%	25	1.2%	2	0.1%
DOB	0	0.0%	0	0.0%	0	0.0%
Race	29	1.4%	5	0.2%	7	0.3%

Helpful Reports: [DQXX-102] Program Data Review

Program Data Review

Program:

Eligibility Category: PH - Rapid Re-Housing

Program Contract: N/A

Status: Active

Name	Unique Identifier	Entry Date	Exit Date	Days active in program	Missing Entry Data	Missing Exit Data
		05/08/2018		525	0	0
		05/08/2018		525	0	0
		05/08/2018		525	0	0
		05/08/2018		525	0	0
		05/08/2018		525	0	0
		05/08/2018		525	0	0
		05/08/2018		525	0	0
		07/12/2018		460	0	0
		07/12/2018		460	0	0
		08/17/2018		424	0	0
		08/17/2018		424	0	0
		08/17/2018		424	0	0
		08/17/2018		424	0	0
		08/17/2018		424	0	0
		09/06/2018		404	0	0
		09/06/2018		404	1	0
		09/06/2018		404	2	0
		09/06/2018		404	0	0

This is a program-based report that provides information on program participation duration for active and inactive clients, while also reporting data quality scores for the chosen program.

Helpful Reports: [HUDX-225] HMIS Data Quality

HMIS Data Quality Santa Clara County CoC: Report [FY 2020] Report period 09/15/2019 - 10/15/2019 Q1. Report Validation Table Program Applicability: All Projects Total number of persons served 2,071 Number of adults (age 18 or over) 1.492 579 Number of children (under age 18) Number of persons with unknown age Number of leavers 49 Number of adult leavers 27 Number of adult and head of household leavers 27 Number of stayers 2,022

Data Element	Client Doesn't Know/Refused	Information Missing	Data Issues	Total
Name (3.1)	2	3	21	26
Social Security Number (3.2)	115	2	28	145
Date of Birth (3.3)	0	0	20	20
Race (3.4)	27	7		34
Ethnicity (3.5)	1	2		3
Gender (3.6)	0	1		1
Overall Score		le de la companya de		179
Q3. Universal Data Element Program Applicability: All Program				
Data Element		Error Cour		
Veteran Status (3.7)				2
Project Start Date (3.10)	0			

Q2. Personally Identifiable Program Applicability: All Program					
Data Element	Client Doesn't Know/Refused	Information Missing	Data Issues	Total	% of Error Rate
Name (3.1)	2	3	21	26	1.26%
Social Security Number (3.2)	115	2	28	145	7%
Date of Birth (3.3)	0	0	20	20	0.97%
Bass (3.4)	27	7		2000	

2

Data Element	Error Count	% of Error Rate
Destination (3.12)	1	2.04%
Income and Sources (4.2) at Start	58	3.89%
Income and Sources (4.2) at Annual Assessment	206	26.96%
Income and Sources (4.2) at Exit	1	3.7%
Non-Cash Benefits (4.3) at Start	35	2.35%
Non-Cash Benefits (4.3) at Annual Assessment	214	28.23%
Non-Cash Benefits (4.3) at Exit	0	0%

Q4. Income and Housing Data Quality

Q5. Chronic Homeless

Relationship to Head of Household (3.15)

Client Location (3.16)

Disabling Condition (3.8)

Q3. Universal Data Elements	
Program Applicability: All Projects	
Data Element	
Veteran Status (3.7)	
Project Start Date (3.10)	
Relationship to Head of Household (3.15)	
Client Location (3.16)	
Disabling Condition (3.8)	

Ethnicity (3.5) Gender (3.6)

Overall Score

Starting into project type	Count of total records	Missing time in institution (3.917.2)	Missing time in housing (3.917.2)	Approximate Date started (3.9.17.3) DK/R/missing	Number of times (3.9.17.4) DK/R/missing	Number of months (3.9.17.5) DK/R/missing	% of records unable to calculate
ES, SH, Street Outreach	94			0	0	0	0%
TH	0	0	0	0	0	0	0%
PH (all)	1,208	0	27	0	10	28	4.64%
Total	1.302						4.3%

Program Applicability: All Projects		
Time for Record Entry	Number of Project Start Records	Number of Project Exit Records
0 days	21	13
1-3 days	33	24
4-6 days	7	0
7-10 days	3	0
11+ days	2	12

The [HUDX-225]
HMIS Data Quality
Report is a HUD
report that reviews
data quality across a
number of HMIS data
elements

% of Error Rate 1.26%

7%

0.97%

1.64%

0.14%

0.05%

8.64%

% of Error Rate 0.13% 0%

0.14%

0%

1.11%

3

0

Helpful Reports: [GNRL-220] PROGRAM DETAILS REPORT

A	В	С	D	E	F		G	Н	1			J							
nique ID	First Name	Last Name	Agency	Assigned Staff	Staff Cr	reated	Enrollment Start Date	Enrollment Exit Date	Chronic Homele	ss		Housing Service							
567D9F3	3						07/16/2018		Y	[[CCP Housing Maintena	nce] Continuun	n of Care Program 5022] PSH Housing: Scattered Site -	Board & C	ire					
567D9F3							07/16/2018		Υ	[[CCP Housing Maintena	nce] Continuun	n of Care Program 5022] PSH Housing: Scattered Site -	Board & amp; C	ire					
A32A410							07/01/2017		Υ	[[CCP Housing Maint	enance] Continu	uum of Care Program 5022] PSH Housing: Households	without Children						
A32A410							07/04/2047		v	HOOD Usuales Maint	Contin		Albert Olithon						
F91F5B8 F91F5B8			Housing S	Service End Date	DOB	SSN	Personal ID	Household ID		Gender		Race		Ethnicity	Veteran Status	Project State	us Date		
F91F5B8 IB4AB14			11	/09/2023	01/19/1962	14	04/24/2017 05/23/2018			Male		White	Non	-Hispanic/Non-Latino	Yes	09/10/20	019		
176FA6			11	/09/2023	01/19/1962		11/01/2017			Male		White	Non	-Hispanic/Non-Latino	Yes	07/16/20	019		
FF75D7			09	/08/2027	04/03/1965		06/25/2018			Male		American Indian or Alaskan Native		Hispanic/Latino	No	07/22/20	019	10	
E1CD1B			09	/08/2027	04/03/1965		07/11/2017			Male		American Indian or Alaskan Native		Hispanic/Latino	No	07/01/20	018		
E1CD1B	-				09/19/1984		07/11/2017			Female		White		Hispanic/Latino	No	04/24/20	019		
		100			09/19/1984					Female		White		Hispanic/Latino	No	04/24/20	018		
D153FE 4A246D					09/19/1984		02/27/2018			Female		White		Hispanic/Latino	No	04/24/20	017		
4A246D A272E0			07	/03/2020	02/18/1989		02/09/2018												-
43ED0			12.00		12/21/1985		BD	BE	BF	BG	BH	BI	BJ	В	K	BL		BM	
43ED0	-	9.1	08	/01/2025	09/17/1970			_	_			<u> </u>							
43ED0	1	100	11	/13/2023	07/20/1967		Income from Any Source	Earned Income	Amount	Unemployment Insurance	Amount	Supplemental Security Income (SSI)	Amount	Social Security Disab	lity Insurance (SSDI)	Amount	VA Service-Conn	ected Disability Compensation	A
86513	-		11	/13/2023	07/20/1967						1000000								
35B12			04	/12/2027	10/01/1988		Yes	N		N		N		,	1			N	
35B12			04	/04/2020	02/28/1971		Yes	N		N N		N N		-				N	
26CE5		100		/13/2020	03/03/1964		Yes	N		N N		Ÿ	1,123.8		1			N N	
326CE5	-	-		/01/2027	03/22/1978		Yes	N		N		v	1,123.8		•			N	-
320UE3				/01/2027	03/22/1978	_	Yes	N		N N		N N	1,123.0					N N	-
		2.15	07	/01/2027	03/22/1978	_	Yes	N		N N		N N	4		•			N N	
			12	/06/2023	11/24/1960					N N									_
		///	06	/11/2027	11/29/1968		Yes	N	_			N						N	
				/11/2027	11/29/1968		Yes	N		N		N						N	
		6.9		/22/2027	12/17/1956		No				-	V							
				/22/2027	12/17/1956		Yes	N		N	-		910.	!				N	
				/22/2027	12/17/1956		Yes	N		N		N		!	•			N	_
				/18/2020	02/03/1956		Yes	N		N		N		!				N	
						-	Yes	N	1.100	N		Y	815.15	!	•			N	-
							Yes	Y	1,452.	N		N		!	•			N	
							Yes	N		N		N				876.06		N	
							Yes	N		N		N.				895.72		N	
							Yes	N		N		N				895.72		N	
							Yes	N		N	-	N				895.72		N	
							Yes	N		N		Y	1,084.	!				N	
							Yes	N		N		Y	876.					N	
						14	Yes	N		N		Y	876.		•			N	
							Yes	N		N		N						N	
							Yes	N		N		N		1	1			N	

This report is designed to provide a full list of program participation including details of start date, status updates and exit date. Additionally, this report details all of the responses for the UDE's/PDDE's as well as include assigned staff and staff who created the client. *Please note this report will only be available in zip file that can be viewed with Excel.

Helpful Reports: [SCC-107] ES/TH Utilization Report

Emergency Shelter/Safe Haven, Transitional Housing, and Cold Weather Shelter Utilization Report

Santa Clara County CoC:

Report period 10/01/2019 - 10/16/2019 Cold Weather period 10/01/2019 - 10/16/2019

Overview

Point-In Time Utilization

ES SH & TH 10/16/2019 ES CW 10/16/2019

Туре	Capacity (Total Units)	PIT Households Served	% Utilized	
Emergency Shelter/Safe Haven	420	49	11.67%	
Transitional Housing	52	15	28.85%	
Cold Weather/Seasonal Shelters	0	1	0.00%	
TOTALS:	472	65	13.77%	

Utilization Over Reporting Period

ES SH & TH 10/01/2019 to 10/16/2019 ES CW 10/01/2019 to 10/16/2019

			Сар	acity	Period (Capacity	PSD Ut	ilization	% Util	lization
Туре	# of Programs	Total Clients Served	Beds	Units	Beds	Units	Beds	Units	Beds	Units
Emergency Shelter/Safe Haven	17	514	420	420	6,720	6,720	5,538	5,092	82.41%	75.77%
Transitional Housing	5	57	172	52	2,752	832	912	240	33.14%	28.85%
Cold Weather/Seasonal Shelters	5	216	0	0	0	0	2,153	1,659	0.00%	0.00%
TOTALS:	27	787	592	472	9,472	7,552	8,603	6,991	90.83%	92.57%

This report is designed to provide details of the number of beds and units available (capacity) and how they are occupied (utilization) over a period of time.

Helpful Reports: [SCC-107-AD] ES/TH Utilization Report

Individual Program Infor	mation	Сар	acity	Period (Capacity	PSD Ut	ilization	% Utilization		
Site	Total Clients Served	Beds	Units	Beds	Units	Beds	Units	Beds	Units	
	106	45	45	2,115	2,115	2,917	2,917	137.92%	137.92%	
	3	6	6	282	282	51	51	18.09%	18.09%	
	0	28	28	1,316	1,316	0	0	0.00%	0.00%	
	8	8	8	376	376	34	34	9.04%	9.04%	
	39	18	18	846	846	618	618	73.05%	73.05%	
	0	5	5	235	235	0	0	0.00%	0.00%	
	216	5	5	235	235	476	476	202.55%	202.55%	
	20	20	20	940	940	807	807	85.85%	85.85%	
	41	20	20	940	940	839	839	89.26%	89.26%	
	100	40	40	1,880	1,880	2,438	2,438	129.68%	129.68%	
	21	20	20	940	940	514	514	54.68%	54.68%	
	1	17	17	799	799	7	7	0.88%	0.88%	
	14	8	8	376	376	290	290	77.13%	77.13%	
	21	10	10	470	470	750	750	159.57%	159.57%	
	32	30	30	1,410	1,410	932	932	66.10%	66.10%	
	208	125	125	5,875	5,875	5,806	4,659	98.83%	79.30%	
	17	15	15	705	705	442	243	62.70%	34.47%	
TOTALS:	847	420	420	19,740	19,740	16,921	15,575	85.72%	78.90%	

Helpful Reports

Report Name and Number	Report Description
[HUDX-227] Annual Performance Report (APR)	 Q5a Total persons served, total persons served by subpopulation-youth, vets, total leavers and stayers, total number of chronically homeless persons in a program Q6a PII error drill downs for Client Doesn't know/information missing Q6b error drill downs for relationship to HoH, disabling conditions Q6c errors for income at start, annual assessment, and exit Q6e Timeliness of data entered at start and exit 19a1 income change
[DQXX-110] Duplicate Clients	This report is designed to provide a list of suggested duplicate clients who are receiving services across different agencies (includes UID, Name, SSN, DOB, Added date, Staff and Agency Name)
[DQXX-103] Monthly Staff Report	 This report is designed to provides the following: General Data Quality User Activity (including the number of clients, [both existing and new] that each staff member worked with during the time frame of report.) Data quality by data element (e.g. Date of Birth, Race, Ethnicity, Veteran Status, etc.) for all clients served

Helpful Reports

Report Name and Number	Report Description
[DQXX-102] Program Data Review	This is a program-based report that provides information on program participation duration for active and inactive clients, while also reporting data quality scores for the chosen program.
[HUDX-225] HMIS Data Quality	The [HUDX-225] HMIS Data Quality Report is a HUD report that reviews data quality across a number of HMIS data elements • Provides the error report for data elements that should be corrected prior to submitting an APR
[GNRL-220] Program Details Report	This report is designed to provide a full list of program participation including details of start date, status updates and exit date. Additionally, this report details all of the responses for the UDE's/PDDE's as well as include assigned staff and staff who created the client. *Please note this report will only be available in zip file that can be viewed with Excel.
[SCC-107] ES/TH Utilization Report	This report is designed to provide details of the number of beds and units available (capacity) and how they are occupied (utilization) over a period of time.

Helpful Reports: Useful Report for Program Managers



Useful Reports for Shelter & Outreach Program Managers

	SECTION	AD?	TITLE	CONTENT
	Program-Based	Ν	[GNRL-106] Program Roster	Who's enrolled or exited with dates and LOS
WHO'S ENROLLED?	Program-Based	Υ	[GNRL-220] Program Details Report	All data from enrollment/update/exit screens + housing service dates
	Program-Based	Υ	[OUTS-106] Client Demographics	Demographic breakdown charts for all enrolled clients
	Service-Based	N	[GNRL-104] Service Summary	Counts of services provided and unique clients
WHO'S BEEN	Service-Based	Ν	[GNRL-103] Service Census	Counts of services provided by day, plus service summary
SERVED?	Service-Based	N	[OUTS-105] Client Demographics	Demographic breakdown charts for all served clients
	Program-Based	Ν	[EXIT-101] Potential Exits	Clients who haven't received a service since specified date
WHERE'D WE SPEND MONEY?	Program-Based	N	[EXPS-103] Program Funding Source Financial Detail	Lists all funds spent as part of services, plus totals by service and program
STAFF DATA	Email	N	[DQXX-103] Monthly Staff Report	Data completeness and timeliness for all staff
QUALITY	HUD	Υ	[HUDX-225] HMIS Data Quality Report	Comprehensive report on data quality
STAFF	Agency Management	Ν	[STFF-104] Staff Client Data Activity Report	Staff activity in the system
ACTIVITY	Agency Management	N	[STFF-101] User Activity Report	Staff login times and time logged in





Activity #2

Why is regular reporting of client's income changes (updates) in HMIS important to your agency and the client?

(Choose all that apply)

- **A.** Accurately demonstrates community progress and success
- **B.** It is not common practice to enter this in HMIS for our Agency
- **C.** Demonstrate an increase in the percent of homeless adults who gain or increase employment or non-employment cash income over time
- **D.** Maintaining timely and accurate HMIS data related to employment outcomes is not my responsibility
- **E.** Brings more federal dollars to Santa Clara County

Activity #3

You run the HMIS Data Quality Report for a local Emergency Shelter, and you notice that your results for the Personally Identifiable Information (PII) table include high rates (80% or more) of "Client Doesn't Know/Client Refused" for the following data elements: social security, name, date of birth, and gender.

- Why do you think there is a data quality/accuracy issue?
- If so, how might it impact your data overall?
- What would your next steps be to address this data quality/accuracy issue?

Activity #4

You run a bed utilization report for a local Emergency Shelter and you notice that your result is less than 65% utilization for the first month of the quarter, and then 125% utilization for the last month of the quarter.

- Why do you think there is a data quality/accuracy issue?
- If so, how might it impact your data overall?
- What would your next steps be to address this data quality/accuracy issue?

Tips

Setting data entry
deadlines of one or two
days after intake
ensures timeliness and
avoids rushed, sloppy,
burdensome data
entry at the end of a
reporting period.

The likelihood of data entry error increases when data are collected and entered by different staff.

Data processes should include procedures for entering new clients, updating existing client information, handling exit data, and re-enrolling returning clients.

Data for active clients should be reviewed and updated at least monthly.



The highest standards should be applied toward achieving data completeness for the identifying fields: name, social security number, date of birth, and gender.

RESOURCES

Continuous Data Quality Improvement Process Santa Clara Continuum of Care

HMIS Guides and Tools

SNAPS Data TA Strategy to Improve Data and Performance

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THANK YOU



SOURCES

<u>Data Quality 201 Strategies to Check the Accuracy of Your System</u>

Reviewing and Improving Data Quality -King County HMIS Training

HMIS Guides and Tools

<u>Continuous Data Quality Improvement Process Santa Clara Continuum of Care</u>