

Group Reflection

What stands out to you as key points from the disparities Demographic Data Recommendations Report?

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Presentation Outline

1. Project Overview
2. Survey
3. Cleaning the Data
4. Analysis Process of Data (Crosswalk, Lenses, Thresholds)
5. Results: Assessment Tool
6. Next Steps

Project Purpose

- **Division Of Public Health 2013-2016 Strategic Plan:
Reducing Health Disparities Priority**

Objective 1:

“Increase the inclusion of standard demographic factors (e.g., race/ethnicity, disability status, geographic location) within primary data collection systems within the Division.”

Defining the Current Context: Survey

- Via SurveyMonkey to data owners within DPH
- Information collected such as:
 - ✓ Do you collect demographic data for _____?
 - ✓ Please report the exact method for collecting the _____ demographic data
 - ✓ Who reports the _____ demographic data?
 - ✓ Within the database, how complete is the _____ demographic data?
 - ✓ Does someone else dictate how _____ demographic must be captured?

Survey Process

- **Disseminated** via e-mail
- **Results** Compiled:
 1. Organized in Excel
 2. Passed along to new hands early 2016
 3. Information bolstered with follow-up e-mails and further collection of data.

Cleaning the Data

Inventory Manager/Database Contact	Method for collecting gender demographic data	Who provides gender demographic data?	Estimated completeness of gender demographic data in database	Dictated by other/outside authority?	How it compares:	Changes to be made:
XXXXXXXXXXXXXXXX						
XXXXXXXXXXXXXXXX	Self Reported			Yes, just required by state statute.		
XXXXXXXXXXXXXXXX	Self-Reported (or by family member/guardian).			Yes		
XXXXXXXXXXXXXXXX	Determined by another person, ask number of New males in prevention activities and new females			Yes		
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	Self-Reported (or by family member/guardian), Male or Female			No	Fits Preferred method	No changes needed
XXXXXXXXXXXXXXXX	Male, Female, or Unknown. Determined by another person, or retrieved from other data source.			No	Fits Preferred method	No changes needed
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	Male, Female, or Unknown			Yes. Reulations statat that they must follow National Trauma Data Bank Guidelines	Fits Preferred method	No changes needed
XXXXXXXXXXXXXXXX	Self Reported			yes		
XXXXXXXXXXXXXXXX				no		
XXXXXXXXXXXXXXXX	Determined by another person, Male, Female, Or Unknown.			No	Fits Preferred Method.	No changes Needed
XXXXXXXXXXXXXXXX						
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	All of our subjects are women of childbearing years, retrieved from antoher data source			Yes	Not Applicable.	
XXXXXXXXXXXXXXXX						
XXXXXXXXXXXXXXXX	The individual self-reports gender (or family member/guardian).			Yes		
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	Male or Female, Box Selection. Determined by another			No	Fits Preferred Method.	No changes needed
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	Gender is collected by submission from Lab or Provider reporting positive STDs			Yes, State Statute		
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	N/A					
XXXXXXXXXXXXXXXX	Retrieved from another data source: Male, Female, Other, and Unknown.			Yes	Goes a little beyond the preferred method, but should be acceptable	No change Needed
XXXXXXXXXXXXXXXX	Retrieved from other data source. As recoreded on			Yes, received data from the NHA		
XXXXXXXXXXXXXXXX						

Yikes! This data needed to be cleaned up!



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Cleaning the Data (cont.)

I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
Highlight from Column B → I, Right-click, and choose "Unhide"	Database Name	Age	Method for collecting age demographic data (Survey)	Who provides age demographic data?	Estimated completeness of age demographic data in database	Dictated by other/outside authority? Flexibility to Make Changes?	Preferred Method (Recommendation Report)	Fits minimum threshold in Recommendation Report (November 2015)? 0=No 1=YES 2=Awaiting feedback research info 3=No	Extra Note	Gender	Method for collecting gender demographic data (Survey)	Who provides gender demographic data?	Estimated completeness of gender demographic data in database	Dictated by other/outside authority? Flexibility to Make Changes?	Preferred Method (Recommendation Report)	Fits minimum threshold in Recommendation Report (November 2015)? 0=No 1=YES 2=Somewhat/Not enough info 3=No
1	Abortion Data	Yes	Ask for Age in years with answer section consisting of a 2 digit empty box.			Yes, but changes can be made.	1 (Preferred) What is your birthdate? Mm/dd/yyyy. 2. What is your birthdate? Mm/yyyy. 3. (SURVEYS ONLY) Year of survey must be recorded) Current age in completed years 4. (SURVEY ONLY) Year of survey must be recorded) Selection of age range categories based on program's needs	3		No	Female patients, gender is not asked for on paperwork.			Yes, but additions can be made.	(Self-reported) What is your gender? 1. Male 2. Female	0
2	Adult Blood Lead Level Data	Yes	All blood-lead tests are required to be submitted to the State. Age demographic information is included on the test results. Collected in mm/dd/yyyy format.	The individual provides the age demographic response by self-report (or family member/guardian). The age demographic is populated by retrieval from another data source like a medical record.	100%	Yes. Demographic data from our adult lead data originates from laboratory tests, which are reported into the Nebraska Electronic Disease Surveillance System (NEDSS). This system sets the rules and standards for types and formats of data elements. NEDSS is a CDC product and is not very flexible or customizable for states. Therefore, the outside authority has a high degree of control on how demographic data are collected.	1 (Preferred) What is your birthdate? Mm/dd/yyyy. 2. What is your birthdate? Mm/yyyy. 3. (SURVEYS ONLY) Year of survey must be recorded) Current age in completed years 4. (SURVEY ONLY) Year of survey must be recorded) Selection of age range categories based on program's needs	1		Yes	The gender demographic is included in the blood-lead test information. Collected as Male or Female.	The gender demographic is populated by retrieval from another data source like a medical record.	100%	Yes. Demographic data from our adult lead data originates from laboratory tests, which are reported into the Nebraska Electronic Disease Surveillance System (NEDSS). This system sets the rules and standards for types and formats of data elements. NEDSS is a CDC product and is not very flexible or customizable for states. Therefore, the outside authority has a high degree of control on how demographic data are collected.	(Self-reported) What is your gender? 1. Male 2. Female	1
3	Adult Consumer Survey	Yes	We ask "What is your date of birth?" Collected in mm/dd/yyyy format.	Self-Reported (or by Family Member/Guardian)	90%	No	1 (Preferred) What is your birthdate? Mm/dd/yyyy. 2. What is your birthdate? Mm/yyyy. 3. (SURVEYS ONLY) Year of survey must be recorded) Current age in completed years 4. (SURVEY ONLY) Year of survey must be recorded) Selection of age range categories based on program's needs	1		Yes	We ask "What is your gender." Collected as Fe/Male.	The individual provides the gender demographic response by self-report (or family member/guardian).	99.90%	No	(Self-reported) What is your gender? 1. Male 2. Female	1
4			Asks for date of birth and age (in years). Date of				1 (Preferred) What is your birthdate? Mm/dd/yyyy. 2.				Person's Sex (checkbox)-					

Cleaner Data!



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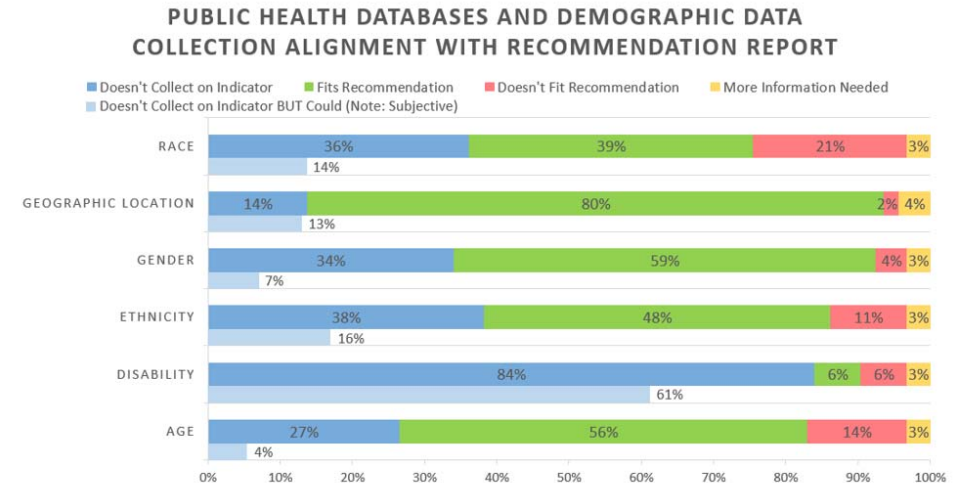
Analysis Process- Step 1: *Crosswalking the Data*

- Data compared to the Recommendations Report
 - ✓ Are databases **collecting** demographic information?
 - ✓ Which demographic data is being collected in ways that **align** with the Report?
 - ✓ Which databases are collecting demographic information, but **could improve** their methods to better align with the Report?

Analysis Process- Step 1: *Crosswalking the Data*

■ Doesn't Collect on Indicator
 ■ Fits Recommendation
 ■ Awaiting Response
 ■ Doesn't Fit Recommendation

Age	Gender	Race	Ethnicity	Geographic Location	Disability	Total # of indicators that do NOT fit recommendation	Total # of indicators that are not collected, but could be (subjective)	Dictated by outside authority?
3	0	1	1	1	0	1	1	Yes. BUT changes can be made.
1	1	1	1	1	0	0	1	Yes. NEDSS sets the rules and standards (not very flexible).



BUT how do we make this information actionable?



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Disclaimer

**From this point forward, the direction in analysis was subjective, and based on the need to prioritize actionable recommendations for internal change. We acknowledge that there are different ways to go about this type of analysis, we are merely sharing our process for collaborative learning purposes.

Analysis Process- Step 2: *Lens Assessment*

- Developed 5 lenses to further analyze the data

Necessity
for Further
Information

Sample
Type

Authority
for Change

Ease of
Change

Ease of
Incorporation

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Analysis Process- Step 3 *Thresholds*

- Need to stratify and quantify results on a weighted scale
- Create decision-making criteria to guide and prioritize actions for improvement

Lens 1: Necessity for Further Information					Lens 2: Sample Type				Lens 3: Authority for Change				Lens 4: Ease of Change				Lens 5: Ease of Incorporation					
Sample Type	Authority	Ease of Change	No Response	No Idea	Individual Level		Population Level		Observational	Non-human subjects (e.g. facilities, environment)	Yes				Data Unknown	No Limitations	Opportunity for Change	Change Restrictions	Unknown	Collecting, but does not fit minimum recommendation	Collecting, fits minimum recommendation	Not collecting
					Self-reported	Not self-reported	Self-reported	Not self-reported			Agency Driven	State Law/Statute	External Entity (Grant, National Agency, etc.)	Federal Entity								

Example of Threshold Analysis

Lens 1: Authority for Change				Lens 2: Ease of Change		Lens 3: Sample Type				Lens 4: Ease of Incorporation			Lens 5: Necessity for Further Information							
Yes			Data Unknown	No Limitations	Can Change	Cannot Change	Individual level		Population level		Observational	Non-human subjects (e.g. facilities,	Collecting, but does not fit min. recommendation	Collecting, fits min. recommendation	Not collecting	Authority	Collection Method (self-reported)	Use	No Response	No idea
Internally (agency)	State Law/Statute	Grant	Federal Entity				Self-reported	Not self-reported	Self-reported	Not self-reported										
			X		X		X					1	3	2					1	

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Analysis Process- Step 4 *Final Filter*

- Method used to tie results back to the “big picture”
- Considerations:
 - ✓ General public health purpose of the data collection
 - ✓ Relevancy of data in identifying disparities
 - ✓ Alignment with:
 - Agency mission and vision
 - Existing plans (e.g., strategic plan, improvement plans, program work plans, etc.)

Recap of the Project



Results

- A **tool** and **process** on how to organize current database demographic data collection methods

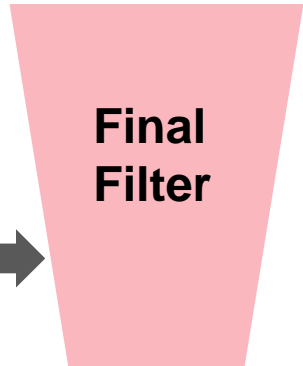
**Not the only way to approach instigating change*

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Assessment Tool

Database Name	Lens 1: Necessity for Further Information					Lens 2: Sample Type						Lens 3: Authority for Change					Lens 4: Ease of Change				Lens 5: Ease of Incorporation				
	Sample Type	Authority	Ease of Change	No Response	No Idea	Individual Level		Population Level		Observational	Non-human subjects (e.g. facilities, environment)	Yes				Data Unknown	No Limitations	Opportunity for Change	Change Restrictions	Unknown	Collecting, but does not fit minimum recommendation	Collecting, fits minimum recommendation	Not collecting		
						Self-reported	Not self-reported	Self-reported	Not self-reported			Agency Driven	State Law/Statute	External Entity (Grant, National Agency, etc.)	Federal Entity										
Abortion Data																									
Adult Blood Lead Level Data																									
Adult Consumer Survey																									
American Community Survey (ACS)																									
Animal Rabies Testing																									
Asbestos Control Data (*Not on inventory)																									
Behavioral Risk Factor Surveillance System (BRFSS)																									



Final Filter

Final Output:
 Prioritized recommendations for actions to improve data collection and consistency on demographic factors

Next Steps

- Filter Finalization



- Work Group

- Creation
- Present Results
- Plan for Action



- Initiate Change

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Final Reflections

How might a process like this be useful in your area of work?

Do you have internal processes to help prioritize change?

Questions?

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