

# QUALITY ASSURANCE MEASURES FOR DATA COLLECTION

## US/Mexico Border Health Multi-Site Evaluation

### Overview

Quality assurance in data collection rests primarily at the local level.

QA should take place at the initial point of data collection (interviewing, etc), during data entry/submission to the Evaluation Center, and after data is returned from the Evaluation Center to the local project.

The QA Protocols that have been suggested by the Evaluation Center (available below) can be used as a guide to establish a more comprehensive approach to QA at the local level.

Data errors will often require a file/case review by the local project. The Evaluation Center is often restricted to identifying visual inconsistencies, such as duplicate files/urn's and values outside of specified ranges, because we do not have access to original client files.

It is imperative that all data corrections be discussed through email. This will allow for a consistent, organized approach to resolving any quality assurance issues. Furthermore, it will allow for a hardcopy to be produced and logged.

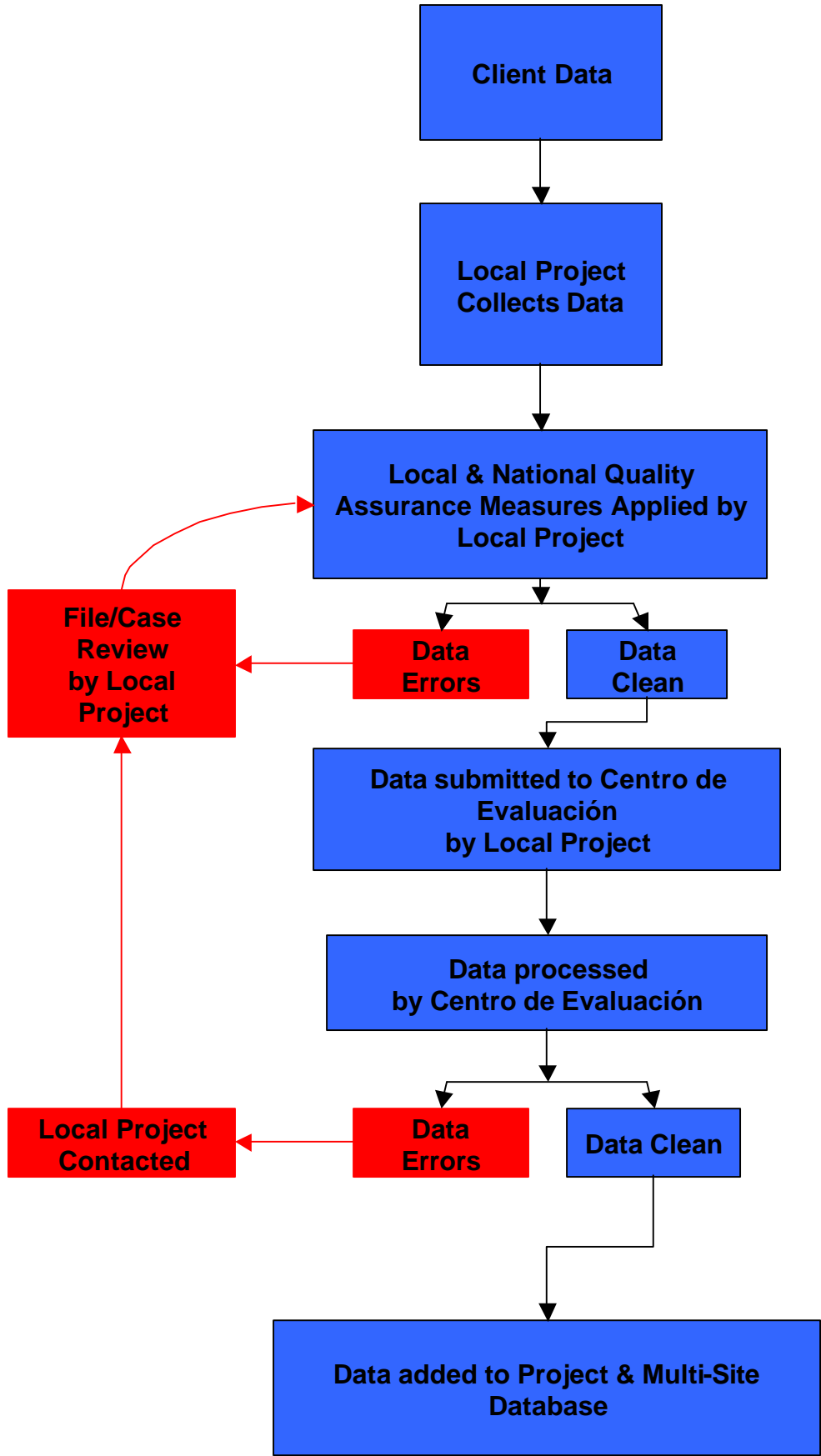
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### FLOW CHART



## LOGICAL CONSISTENCIES

Items indicated in *blue* require additional attention and may involve exceptions. They should only serve as red flags and may prompt further discovery.

### Demographics (A)

1. HRSA number:  
 Date of birth (v101): should correspond with hrsa\_urn  
 Gender (v103): should correspond with last character of hrsa\_urn:

**HRSA number (unique ID number):**

				1	1	0	3	7	1	
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*Birth date of 11/03/71*

**HRSA number (unique ID number):**

										1
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*Gender equals male*

2. Gender (v103) of “female” should not have:  
 Exposure category (v115) data element:  
     Male sex with another male (v115): 1  
     Male sex with another male AND injected drugs (v115): 3

*If a client has identified “female” as her gender, then her exposure category should not be marked as male sex with another male, or male sex with another male and injected drugs.*

3. **Sexual orientation (v104) of “gay/lesbian” should not have:**  
 Exposure category (v115) data element:  
     **Heterosexual contact (v115): 4**  
     **Heterosexual and injected drugs (v115): 5**

*If a client is identified as “gay/lesbian” then it is most likely that he/she was not exposed through heterosexual contact or heterosexual contact and injected drugs.*

4. **Sexual orientation (v104) of “heterosexual” should not have:**  
 Exposure category (v115) data element:  
     **Male sex with another male (v115): 1**  
     **Male sex w/another and injected drugs (v115): 3**

*If a client is identified as “heterosexual” then it is most likely that his/her exposure was not through male sex with another male or male sex with another male and injected drugs.*

Marital status (v209) data element:  
 Living with same sex partner

*If a client is identified as "heterosexual" then it is most likely that his/her marital status should not be living with same sex partner.*

5. Sexual orientation (v104) of "gay/lesbian" should not be:  
 Marital status (v209) data element:  
 Living with opposite sex partner

*If a client is identified as "gay/lesbian," then it is most likely that he/she should not be living with an opposite sex partner.*

6. Race (v105) of "white" should have:  
 Hispanic group (v106) data element:  
 Any response

*If a client identifies as "white" then one response should be chosen from the next question, Hispanic group.*

7. Hispanic group (v106) of any response, excluding "not Hispanic" should have:  
 Lifestyle page 2 (v213-v223) data element:  
 Answered as appropriate

*If a client answers Hispanic group with any answer other than "not Hispanic," then the second page of the demographics module should be completed.*

8. Household size (v110) should have:  
 Value greater than 0

*This number should include the client. Therefore, the number must be at least 1.*

9. HIV status (v114) of "HIV-positive, not AIDS"; "HIV-Positive, AIDS status unknown"; or "CDC-defined AIDS" should have:  
 Date of HIV diagnosis (v118) data element:  
 Any Date

*If a client is HIV positive or has AIDS, then there should be a date of diagnosis (even if it is estimated).*

10. Exposure category (v115) of "injected drugs" or "...and injected drugs" should have:  
 Inferred presenting issues (v126) data element:  
 Drug abuse (v126c)

*If a client has identified drug use as a factor in his/her exposure, then drug abuse is likely an inferred presenting issue.*

11. Incarcerated (v121) of “yes” should have:  
Inferred presenting issues (v126) data element:  
Criminal justice (v126f)
- If a client has identified that he/she has been incarcerated, then criminal justice is likely an inferred presenting issue.*
- Incarcerated (jail/prison) in Mexico (v415) or in US (v416) data element:  
Affirmative response in one or the other
- If a client has identified that he/she has been incarcerated, then he/she should have marked a yes response in the incarcerated in Mexico or the US question in the risk module.*
12. Employment status (v122) of “seasonal” should have:  
Farm worker (v405) data element:  
Yes
- A client that has an employment status of seasonal, may also be a farm worker.*
13. Household income (v125)\*  
\*Dollar amount may equal 0
- Household income guidelines are available in the “selected definitions” link on the main web page. You may include a variety of sources, and this amount may equal zero.*
14. Household income (v125) of “lower income\*\*” should have:  
Inferred presenting issues (v126) data element:  
Low income (v126h)  
\*\*limits to be decided by each project
- If the household income falls within the lower income limits that have been set by the agency, then an inferred presenting issue should be low income.*
15. Inferred presenting issues (v126) of “sex trade” should have:  
Sex work/survival sex (v414) data element:  
Affirmative response
- If the client has an inferred presenting issue of sex trade, then sex work/survival sex should also be identified in the risk module.*
16. Inferred presenting issues (v126) of “drugs” should have:  
Need sharing (v408), inferred heroin (v411), inferred crack (v412), inferred cocaine (v413), and inferred other (v414) data elements:  
Affirmative response in appropriate elements

*If the client has an inferred presenting issue of drugs, then the specific drug use should be noted through the questions in the risk module.*

17. Inferred presenting issues (v126) of “alcohol” should have:  
Inferred alcohol problem (410) data element:  
Affirmative response

*If a client has an inferred presenting issue of alcohol, then this should also be noted in the risk module.*

### **Lifestyle (B)**

18. ...live or visit in Mexico (v203) of equal to or greater than 1 should have:  
...cross the US/Mexico border...(v202) data element:  
Affirmative response equal to or greater than 1

*If a client has stated that he/she has lived or visited in Mexico for one month or more, then he/she has crossed the border a minimum of one time.*

19. Migrant farm worker (v205) of “yes” should have:  
Employment status (v122) data element:  
Seasonal

*A client that has an employment status of seasonal, may also be a farm worker.*

20. Marital status (v209) of “live with same sex partner” should not be:  
Sexual orientation (v104) data element:  
Heterosexual

*A client that has identified as living with a same sex partner should not also have answered with a sexual orientation response of heterosexual.*

21. Marital status (v209) of “live with opposite sex partner” should not be:  
Sexual orientation (v104) data element:  
Gay/lesbian

*A client that has identified as living with opposite sex partner should not also have answered with the response of a sexual orientation of gay/lesbian.*

22. ...last year, received following (v210) of any response equaling yes, should be:  
...crossed the US/Mexico border (v202) data element:  
Affirmative response greater than 1

*If a client has stated that they have received any services in Mexico during the last year, then he/she has crossed the border at least one time.*

23. Lifestyle page 2 (v213-v223) completed, should have:  
 Hispanic group (v106) data element:  
 Answered single selection from 31-38, excluding “not Hispanic”

*If any question on page two of the quality of life module has been answered, then the client should have marked a response in the Hispanic group question on page one of the quality of life module.*

### **Risk (D)**

24. Inferred heroin (v411), crack (v412), cocaine (v413), other illicit (v414) of “current...” or “ever...”, should be:

Inferred presenting issues (v126) data elements:  
 Drug abuse (v126c)  
 Methadone (v126d)\*  
 \*when not prescribed, qualifies as illicit

*If a client has identified drug use in the risk module, then it should also be noted on the demographics module under inferred presenting issues.*

25. Chronic homelessness (v418) of “current...” or “ever...”, should be:

Inferred presenting issues (v126) data element:  
 Homeless (v126e)

*If a client has identified chronic homelessness in the risk module, then it should also be noted in the demographics module under inferred presenting issues.*

### **Other variables:**

Do hrsa\_urn’s match across all modules?

*A client urn should be consistent across all modules.*

Do any DOB’s display in the year 20XX?

*A glitch in the system may cause some birth dates to be mislabeled.*

Do the dates when data for each case was collected fall within the dates of data collection- including client enrollment?

*Do dates identified on individual modules correlate with the release of the module and the general data collection dates.*

Are entire modules missing- particularly modules A and B for HIV positive/AIDS clients?