

Now you see it!



Making required data give you the picture of your program via gap analysis and mapping.

Disclosure

- I Have no financial interest or relationships to disclose
- HRSA Education Committee Disclosures
HRSA Education Committee staff have no financial interest or relationships to disclose
- CME Staff Disclosures
Professional Education Services Group staff have no financial interest or relationships to disclose

Objectives

- Use existing data to develop gap analysis
- Use process data to develop gap analysis tables;
- Develop a map to identify areas of need;
- Use GIS mapping to create targeted gap analysis; and
- Use the gap analysis to drive program planning.

Background

- Delta
- Louisiana
- Gap Analysis



Define gap analysis

- Actual performance vs. potential performance.
 - "Where are we?"
 - "Where do we want to be?"
- This case: ***Service Quality Gap***: the difference between the service expected by customers and the service they actually receive.
- Where the training takes place vs. the need; and
- What is taught vs. what is requested.

Where to go...

To drive programs by data...

Value of gap analysis...



How do we get there?

- Choose your question
- Analyze Data
- Map
- Plan Program



Delta AETC – Louisiana



- Questions
 - Where should we provide HIV risk reduction trainings ?
 - Are we providing HIV risk reduction training in areas of high incidence?
 - Where should we provide HIV clinical care topics?
 - Are we providing HIV clinical care topics in high prevalence areas?
 - How far are our HIV care trainings from HIV care providers?

Getting the data

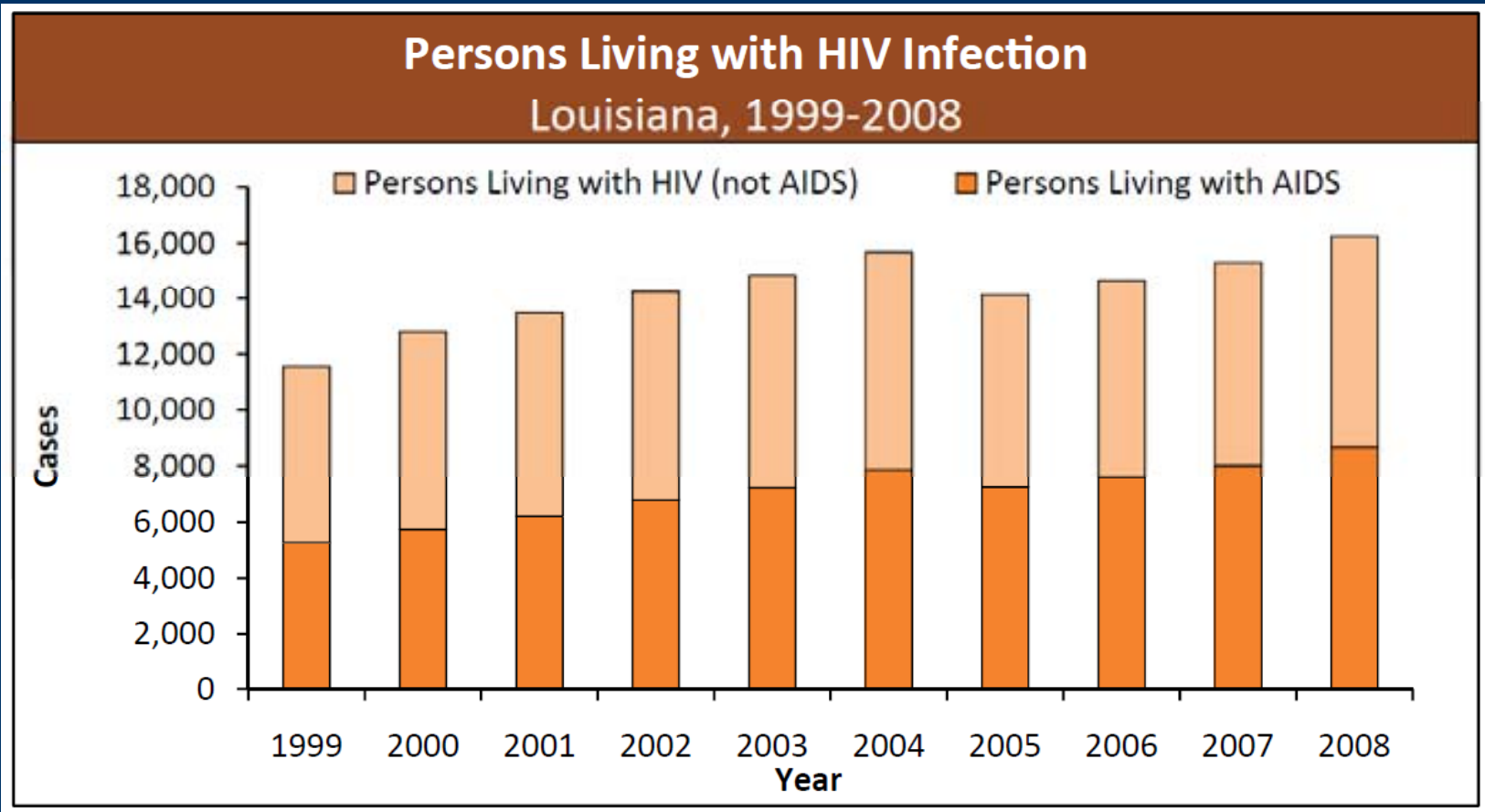
- US Census
- State HIV/AIDS program
- Your data of what you did (trainings)
- Your data of your trainees (trainees attributes)
- Your data of what was requested (trainee needs)

Prevalence and Incidence Data

- Collected at the state level
- Resides at State Offices of Public Health
 - HIV/AIDS Surveillance Office



Prevalence Data Summary



Characteristics of Persons Living with HIV Infection and Cumulative Cases

Louisiana, 2007-2008

	Persons Living with HIV Infection as of 12/31/2007		Persons Living with HIV Infection as of 12/31/2008		Cumulative HIV Diagnoses as of 12/31/2008*	
	Cases	Percent	Cases	Percent	Cases	Percent
Total	15,323	100%	16,277	100%	28,676	100%
Sex						
Female	4,500	29.4%	4,821	29.6%	7,298	25.4%
Male	10,823	70.6%	11,456	70.4%	21,378	74.5%
Race/Ethnicity						
American Indian/Alaska Native	21	0.1%	21	0.1%	23	0.1%
Asian/Pacific Islander	42	0.3%	48	0.3%	66	0.2%
Black/African American	10,088	65.8%	10,767	66.1%	18,235	63.6%
Hispanic/Latino	508	3.3%	564	3.5%	780	2.7%
White	4,586	29.9%	4,781	29.4%	9,381	32.7%
Other/Unknown/Multi-race	78	0.5%	96	0.6%	191	0.7%
Age Group						
	Age in 2007		Age in 2008		Age at HIV Diagnosis	
0-12	88	0.6%	86	0.5%	312	1.1%
13-19	157	1.0%	173	1.1%	1,324	4.6%
20-24	674	4.4%	700	4.3%	3,537	12.3%
25-34	3,042	19.9%	3,204	19.7%	10,251	35.7%
35-44	5,017	32.7%	4,970	30.5%	8,276	28.9%
45-54	4,551	29.7%	4,990	30.7%	3,552	12.4%
55-64	1,459	9.5%	1,737	10.7%	1,070	3.7%
65+	335	2.2%	417	2.6%	354	1.2%
Imputed Transmission Category						
Men who have sex with men (MSM)	6,734	43.9%	7,290	44.8%	13,090	45.6%
Injection Drug User (IDU)	2,708	17.7%	2,756	16.9%	5,708	19.9%
MSM/IDU	1,367	8.9%	1,387	8.5%	2,725	9.5%
High Risk Heterosexual (HRH)	4,225	27.6%	4,554	28.0%	6,356	22.2%
Transfusion/Hemophilia/Other	115	0.8%	111	0.7%	483	1.7%
Perinatal/Pediatric	173	1.1%	178	1.1%	313	1.1%
Rural/Urban						
Rural	1,922	12.5%	2,040	12.5%	2,768	9.7%
Urban	13,401	87.5%	14,237	87.5%	25,897	90.3%

Con't.

- 16, 277
- 12.5% rural
- 66.1% AA

2007/2008 HIV/AIDS Program Report, State of Louisiana, Department of Health and Hospitals, Office of Public Health, page 26, <http://www.dhh.la.gov/office/s/miscdocs/docs-264/2010/2010A/Revised%20Program%20Report%20Final.pdf>

*Cumulative persons reflects the total number of HIV-infected persons diagnosed in Louisiana, including those who have died.

20 Years of Leadership
A LEGACY OF CARE



2008 RYAN WHITE ALL GRANTEE MEETING AND 15TH ANNUAL CLINICAL CONFERENCE

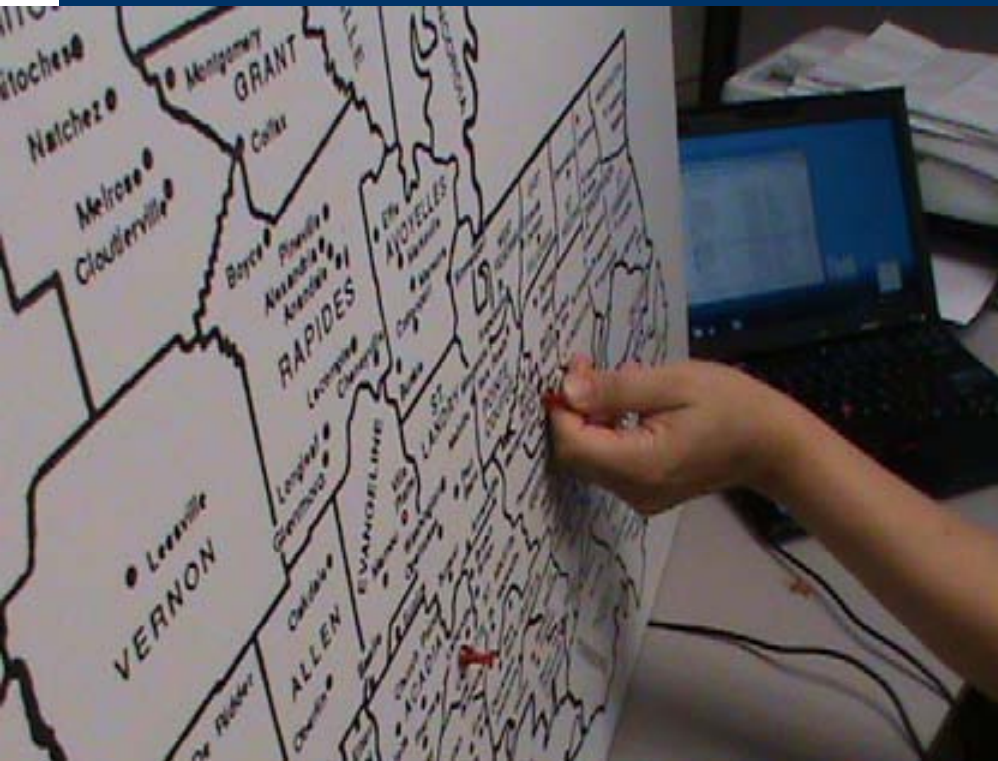
Where should we provide HIV risk reduction trainings ?



Top 15 Parishes HIV/AIDS Incidence, 2008-09

PARISH	TOTAL NEW DIAGNOSES 2008
ORLEANS	263
EAST BATON ROUGE	256
JEFFERSON	118
CADDO	80
CALCASIEU	47
LAFAYETTE	31
TANGIPAHOA	28
ST. LANDRY	26
OUACHITA	25
RAPIDES	21
ST. TAMMANY	18
IBERVILLE	14
TERREBONNE	12
WASHINGTON	12
LA SALLE	11
LOUISIANA	1163

Map it



- Use a map of your counties/parishes
- Use data to show incidence

Program Plan

- We should be concentrating our efforts in...



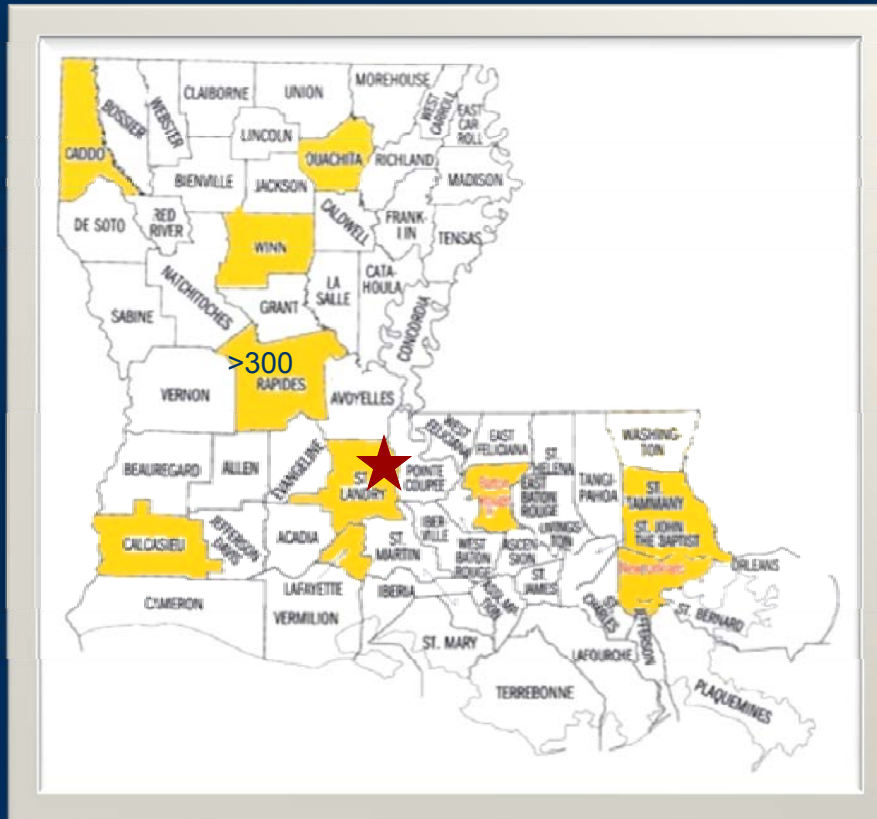
Where should we provide HIV clinical care topics?



Top 15 Parishes HIV/AIDS Prevalence, 2009

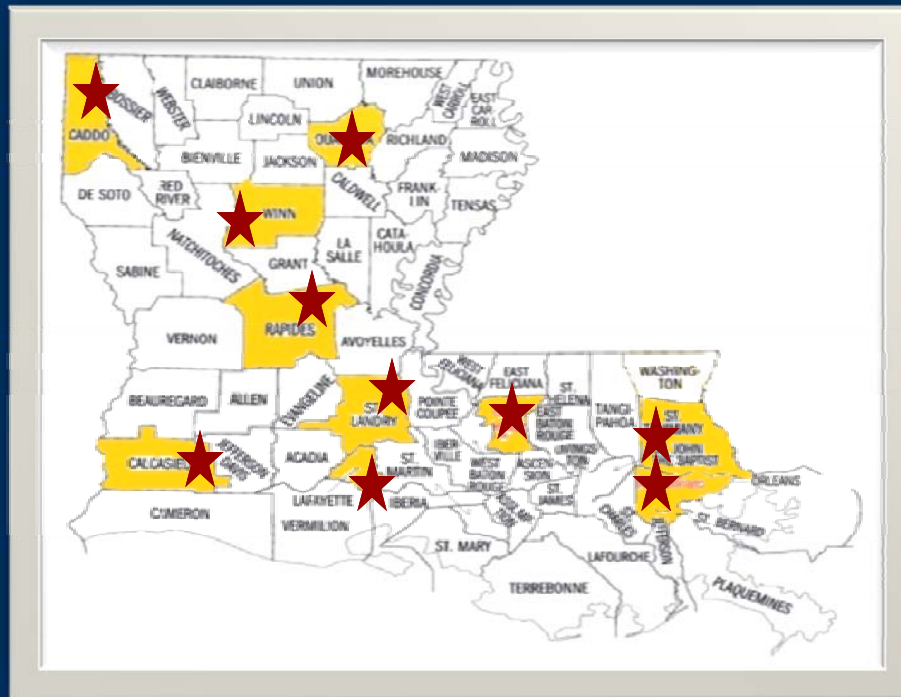
PARISH	2009
ORLEANS	4398
EAST BATON ROUGE	3241
JEFFERSON	1579
CADDO	915
LAFAYETTE	595
CALCASIEU	592
OUACHITA	524
RAPIDES	399
ST. TAMMANY	333
IBERVILLE	311
TANGIPAHOA	284
ST. LANDRY	239
ALLEN	235
TERREBONNE	180
WASHINGTON	177

Map it – Parish with Prevalence over 300



Program Plan

- Concentrate Clinical Care trainings in...



How far are our HIV care trainings from HIV care providers?

- Analyzing our own data for improved program planning and implementation



Process data – actual activities



Data collected to determine if the program is operating according to established guidelines/rules:

- Count of events
- Number of people
- Characteristics of trainees & training

DELTA REGION AIDS Education & Training Center
PARTICIPANT INFORMATION FORM

Please complete this form in detail, and attach any supporting documents as requested.

Participant Information

- 1. Full Name (Last, First, Middle Initial) _____
- 2. Date of Birth (MM/DD/YYYY) _____
- 3. Gender Male Female
- 4. Race White Black Hispanic Asian Other _____
- 5. Education Level High School Some College Bachelor's Degree Master's Degree Other _____
- 6. Current Occupation Unemployed Student Homemaker Other _____
- 7. Marital Status Single Married Divorced Widowed Other _____
- 8. Address (Street, City, State, ZIP) _____
- 9. Phone Number _____
- 10. Email Address _____
- 11. How did you learn about this program? Advertisement Referral Other _____
- 12. How long have you lived in this area? Less than 1 year 1-5 years 6-10 years More than 10 years
- 13. How long have you lived in this country? Less than 1 year 1-5 years 6-10 years More than 10 years
- 14. How long have you lived in this state? Less than 1 year 1-5 years 6-10 years More than 10 years
- 15. How long have you lived in this city? Less than 1 year 1-5 years 6-10 years More than 10 years
- 16. How long have you lived in this neighborhood? Less than 1 year 1-5 years 6-10 years More than 10 years
- 17. How long have you lived in this zip code? Less than 1 year 1-5 years 6-10 years More than 10 years
- 18. How long have you lived in this county? Less than 1 year 1-5 years 6-10 years More than 10 years
- 19. How long have you lived in this country? Less than 1 year 1-5 years 6-10 years More than 10 years
- 20. How long have you lived in this state? Less than 1 year 1-5 years 6-10 years More than 10 years
- 21. How long have you lived in this city? Less than 1 year 1-5 years 6-10 years More than 10 years
- 22. How long have you lived in this neighborhood? Less than 1 year 1-5 years 6-10 years More than 10 years
- 23. How long have you lived in this zip code? Less than 1 year 1-5 years 6-10 years More than 10 years
- 24. How long have you lived in this county? Less than 1 year 1-5 years 6-10 years More than 10 years
- 25. How long have you lived in this country? Less than 1 year 1-5 years 6-10 years More than 10 years

Education and Training

- 26. How long have you been in the United States? Less than 1 year 1-5 years 6-10 years More than 10 years
- 27. How long have you been in this state? Less than 1 year 1-5 years 6-10 years More than 10 years
- 28. How long have you been in this city? Less than 1 year 1-5 years 6-10 years More than 10 years
- 29. How long have you been in this neighborhood? Less than 1 year 1-5 years 6-10 years More than 10 years
- 30. How long have you been in this zip code? Less than 1 year 1-5 years 6-10 years More than 10 years
- 31. How long have you been in this county? Less than 1 year 1-5 years 6-10 years More than 10 years
- 32. How long have you been in this country? Less than 1 year 1-5 years 6-10 years More than 10 years

Other Information

- 33. How long have you been in the United States? Less than 1 year 1-5 years 6-10 years More than 10 years
- 34. How long have you been in this state? Less than 1 year 1-5 years 6-10 years More than 10 years
- 35. How long have you been in this city? Less than 1 year 1-5 years 6-10 years More than 10 years
- 36. How long have you been in this neighborhood? Less than 1 year 1-5 years 6-10 years More than 10 years
- 37. How long have you been in this zip code? Less than 1 year 1-5 years 6-10 years More than 10 years
- 38. How long have you been in this county? Less than 1 year 1-5 years 6-10 years More than 10 years
- 39. How long have you been in this country? Less than 1 year 1-5 years 6-10 years More than 10 years

DELTA REGION AIDS Education & Training Center
EVENT RECORD

Please complete this form in detail, and attach any supporting documents as requested.

Event Information

- 1. Event Title _____
- 2. Event Date (MM/DD/YYYY) _____
- 3. Event Time (Start/End) _____
- 4. Event Location _____
- 5. Event Type Seminar Workshop Conference Other _____
- 6. Event Description _____
- 7. Event Status Completed Cancelled Other _____
- 8. Event Organizer _____
- 9. Event Sponsor _____
- 10. Event Co-sponsor _____
- 11. Event Contact Person _____
- 12. Event Contact Phone _____
- 13. Event Contact Email _____
- 14. Event Contact Address _____
- 15. Event Contact City _____
- 16. Event Contact State _____
- 17. Event Contact ZIP _____
- 18. Event Contact Country _____
- 19. Event Contact Language _____
- 20. Event Contact Currency _____
- 21. Event Contact Time Zone _____
- 22. Event Contact IP Address _____
- 23. Event Contact User Agent _____
- 24. Event Contact Referrer _____
- 25. Event Contact Referrer Type _____
- 26. Event Contact Referrer URL _____
- 27. Event Contact Referrer Title _____
- 28. Event Contact Referrer Content _____
- 29. Event Contact Referrer Length _____
- 30. Event Contact Referrer Width _____
- 31. Event Contact Referrer Height _____
- 32. Event Contact Referrer Status _____
- 33. Event Contact Referrer Type _____
- 34. Event Contact Referrer URL _____
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- 36. Event Contact Referrer Content _____
- 37. Event Contact Referrer Length _____
- 38. Event Contact Referrer Width _____
- 39. Event Contact Referrer Height _____
- 40. Event Contact Referrer Status _____

Participant Information

- 41. Participant Name _____
- 42. Participant ID _____
- 43. Participant Age _____
- 44. Participant Gender Male Female
- 45. Participant Race White Black Hispanic Asian Other _____
- 46. Participant Education Level High School Some College Bachelor's Degree Master's Degree Other _____
- 47. Participant Current Occupation Unemployed Student Homemaker Other _____
- 48. Participant Marital Status Single Married Divorced Widowed Other _____
- 49. Participant Address (Street, City, State, ZIP) _____
- 50. Participant Phone Number _____
- 51. Participant Email Address _____
- 52. Participant How did you learn about this program? Advertisement Referral Other _____
- 53. Participant How long have you lived in this area? Less than 1 year 1-5 years 6-10 years More than 10 years
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- 59. Participant How long have you lived in this county? Less than 1 year 1-5 years 6-10 years More than 10 years
- 60. Participant How long have you lived in this country? Less than 1 year 1-5 years 6-10 years More than 10 years

Event Details

- 61. Event Duration (Start/End) _____
- 62. Event Attendance (Number of Participants) _____
- 63. Event Attendance (Percentage of Participants) _____
- 64. Event Attendance (Average Rating) _____
- 65. Event Attendance (Average Satisfaction) _____
- 66. Event Attendance (Average Knowledge) _____
- 67. Event Attendance (Average Confidence) _____
- 68. Event Attendance (Average Motivation) _____
- 69. Event Attendance (Average Self-Efficacy) _____
- 70. Event Attendance (Average Social Support) _____
- 71. Event Attendance (Average Stress) _____
- 72. Event Attendance (Average Depression) _____
- 73. Event Attendance (Average Anxiety) _____
- 74. Event Attendance (Average Substance Use) _____
- 75. Event Attendance (Average Risk Behavior) _____
- 76. Event Attendance (Average HIV Risk) _____
- 77. Event Attendance (Average STI Risk) _____
- 78. Event Attendance (Average Blood Pressure) _____
- 79. Event Attendance (Average Cholesterol) _____
- 80. Event Attendance (Average Diabetes) _____
- 81. Event Attendance (Average Asthma) _____
- 82. Event Attendance (Average Heart Disease) _____
- 83. Event Attendance (Average Cancer) _____
- 84. Event Attendance (Average Other) _____

Prepare data - Coding for data

cc-est2009-6race-22.csv [Read-Only]

	A	B	C	D	E	F	G	H	I	J	K
1	SUMLEV	STATE	COUNTY	STNAME	CTYNAME	SEX	ORIGIN	RACE	POPESTIMATE2007	POPESTIMATE2008	POPESTIMATE2009
2	50	22	1	Louisiana	Acadia Parish	0 Total = 0	white =1		47863	48014	48038
3	50	22	1	Louisiana	Acadia Parish	0	0 AA=2		11171	11208	11326
4	50	22	1	Louisiana	Acadia Parish	0	0 AIAN=3		128	131	133
5	50	22	1	Louisiana	Acadia Parish	0	0 Asian=4		142	146	150
6	50	22	1	Louisiana	Acadia Parish	0	0 NAOSPI=5		5	5	5
7	50	22	1	Louisiana	Acadia Parish	0	0 2+Races=6		406	432	443
8	50	22	1	Louisiana	Acadia Parish	0 not H = 1		1	47226	47365	47366
9	50	22	1	Louisiana	Acadia Parish	0	1	2	11121	11158	11274
10	50	22	1	Louisiana	Acadia Parish	0	1	3	121	124	127
11	50	22	1	Louisiana	Acadia Parish	0	1	4	137	141	145
12	50	22	1	Louisiana	Acadia Parish	0	1	5	3	3	3
13	50	22	1	Louisiana	Acadia Parish	0	1	6	388	414	425
14	50	22	1	Louisiana	Acadia Parish	0 H = 2		1	637	649	672
15	50	22	1	Louisiana	Acadia Parish	0	2	2	50	50	52
16	50	22	1	Louisiana	Acadia Parish	0	2	3	7	7	6
17	50	22	1	Louisiana	Acadia Parish	0	2	4	5	5	5
18	50	22	1	Louisiana	Acadia Parish	0	2	5	2	2	2
19	50	22	1	Louisiana	Acadia Parish	0	2	6	18	18	18
20	50	22	1	Louisiana	Acadia Parish	1	0	1	23440	23486	23524
21	50	22	1	Louisiana	Acadia Parish	1	0	2	5270	5284	5348

Tables: Excel or SPSS/SAS

- Process evaluation data = topics of training this year.
- Needs assessment data = topics for training requested last year.
- Add the profession of the trainee = gap between what they asked and what we delivered.
- Two next slides show table extracts for discussion on how the data can be useful.

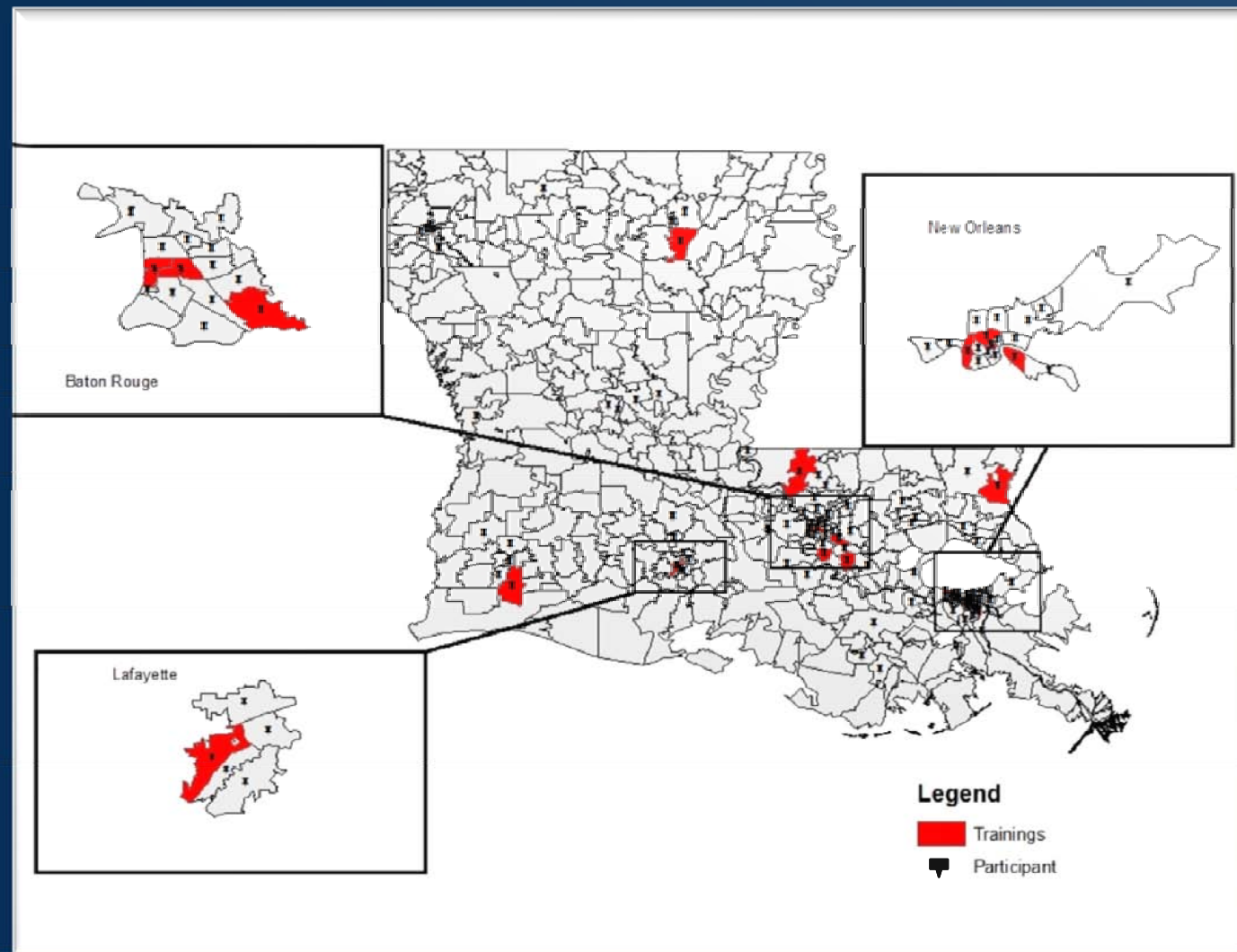
Trainee zip and didactic/skills clinical trainings



Table participant zip didactic/skills clinical trainings		
Zip code	Frequency	Valid percent
70112	141	16.5%
71201	86	10.1%
70119	69	8.1%
70427	67	7.9%
71202	38	4.5%
70806	30	3.5%
70121	29	3.4%
71303	22	2.6%
70506	21	2.5%
71301	17	2.0%
70443	16	1.9%
70776	14	1.6%
70363	12	1.4%
70633	12	1.4%
71040	12	1.4%
70114	11	1.3%
71210	10	1.2%
<10	245	28.8%
Subtotal	852	
Mssing	22	
Total	874	

Table Training on clinical topics, didactic or skills building			
Zip code	Frequency	Valid Percent	Parish
70112	21	50.0%	Orleans
70806	6	14.3%	E. Baton Rouge
70119	3	7.1%	Orleans
70427	2	4.8%	Washington
70802	2	4.8%	E. Baton Rouge
36602	1	2.4%	Mobile, AL
70056	1	2.4%	Jefferson
70065	1	2.4%	Jefferson
70506	1	2.4%	Lafayette
70607	1	2.4%	Calcasieu
70737	1	2.4%	Ascension
70817	1	2.4%	E. Baton Rouge
71202	1	2.4%	Ouachita
	42		

GIS



Did we do what we wanted to do?

- Maps with information answering
 - Are we providing HIV testing training in areas of high incidence?
 - Are we providing HIV clinical care topics in high prevalence areas?

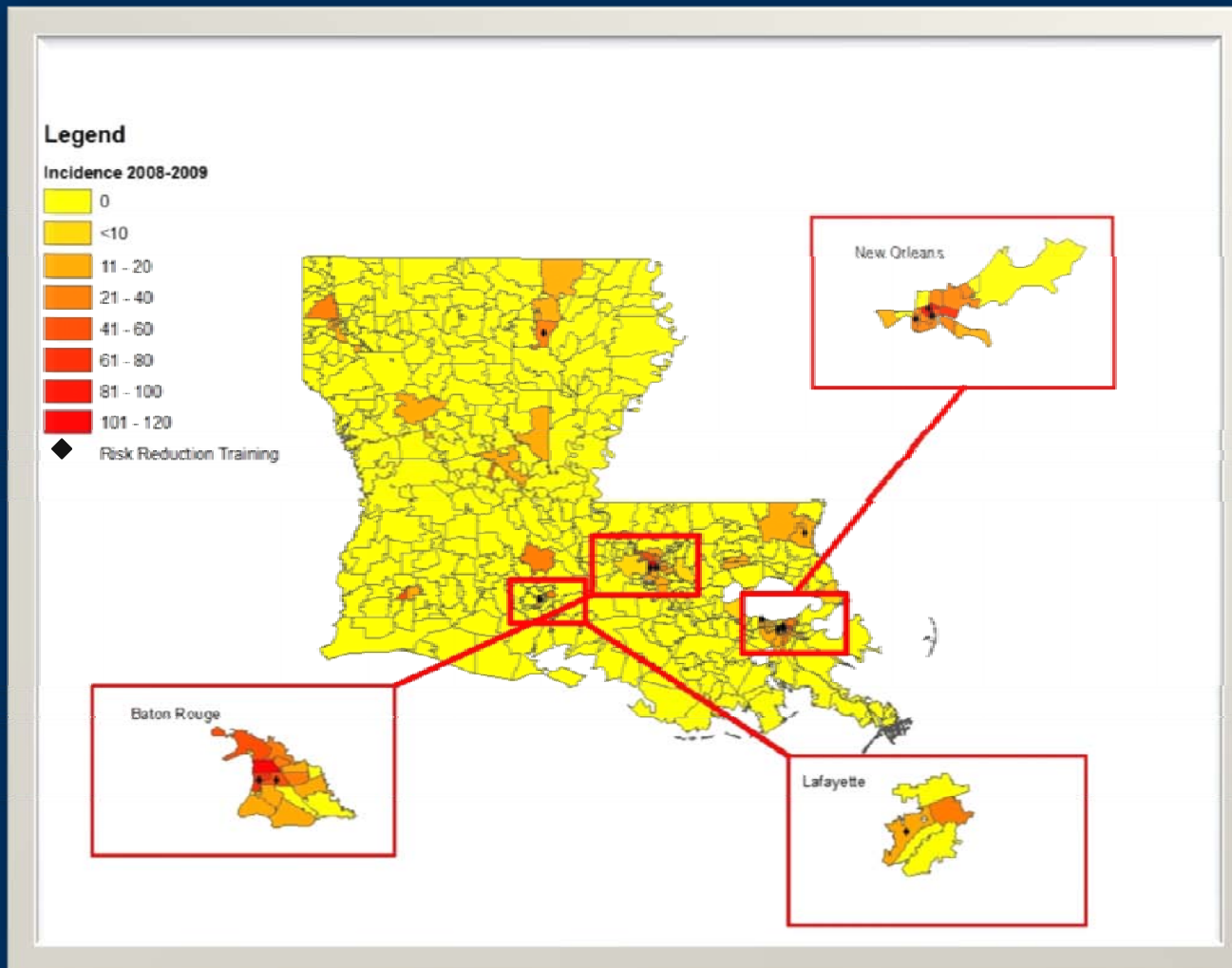
Parish new cases and didactic/skills risk reduction trainings

PARISH	TOTAL NEW DIAGNOSES 2008
ORLEANS	263
EAST BATON ROUGE	256
JEFFERSON	118
CADDO	80
CALCASIEU	47
LAFAYETTE	31
TANGIPAHOA	28
ST. LANDRY	26
OUACHITA	25
RAPIDES	21
ST. TAMMANY	18
IBERVILLE	14
TERREBONNE	12
WASHINGTON	12
LA SALLE	11
LOUISIANA	1163

Table Training on risk reduction topics, didactic or skills building

Zip code	Frequency	Valid Percent	Parish
70065	1	4.8	Jefferson
70112	9	42.9	Orleans
70119	2	9.5	Orleans
70427	1	4.8	Washington
70506	1	4.8	Lafayette
70737	1	4.8	Ascension
70802	2	9.5	E. Baton Rouge
70806	3	14.3	E. Baton Rouge
71202	1	4.8	Ouachita
Subtotal	21	100.0	
Mssing	21		
Total	42		

Incidence and Risk Reduction Training

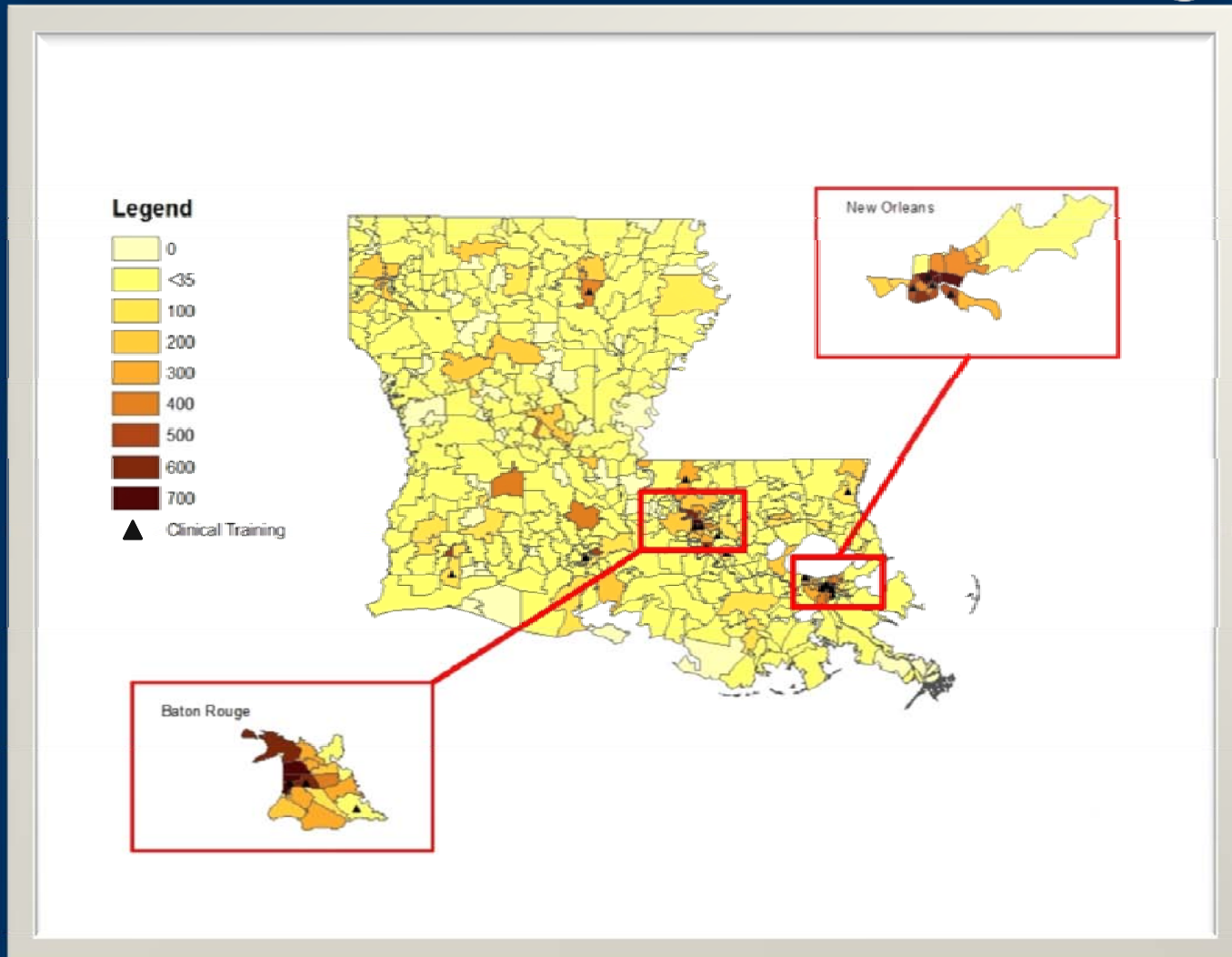


Parish prevalence and didactic/skills clinical trainings

PARISH	2009
ORLEANS	4398
EAST BATON ROUGE	3241
JEFFERSON	1579
CADDO	915
LAFAYETTE	595
CALCASIEU	592
OUACHITA	524
RAPIDES	399
ST. TAMMANY	333
IBERVILLE	311
TANGIPAHOA	284
ST. LANDRY	239
ALLEN	235
TERREBONNE	180
WASHINGTON	177

Table Training on clinical topics, didactic or skills building			
Zip code	Frequency	Valid Percent	Parish
70112	21	50.0%	Orleans
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Prevalence and Clinical Care Trainings



Questions

