

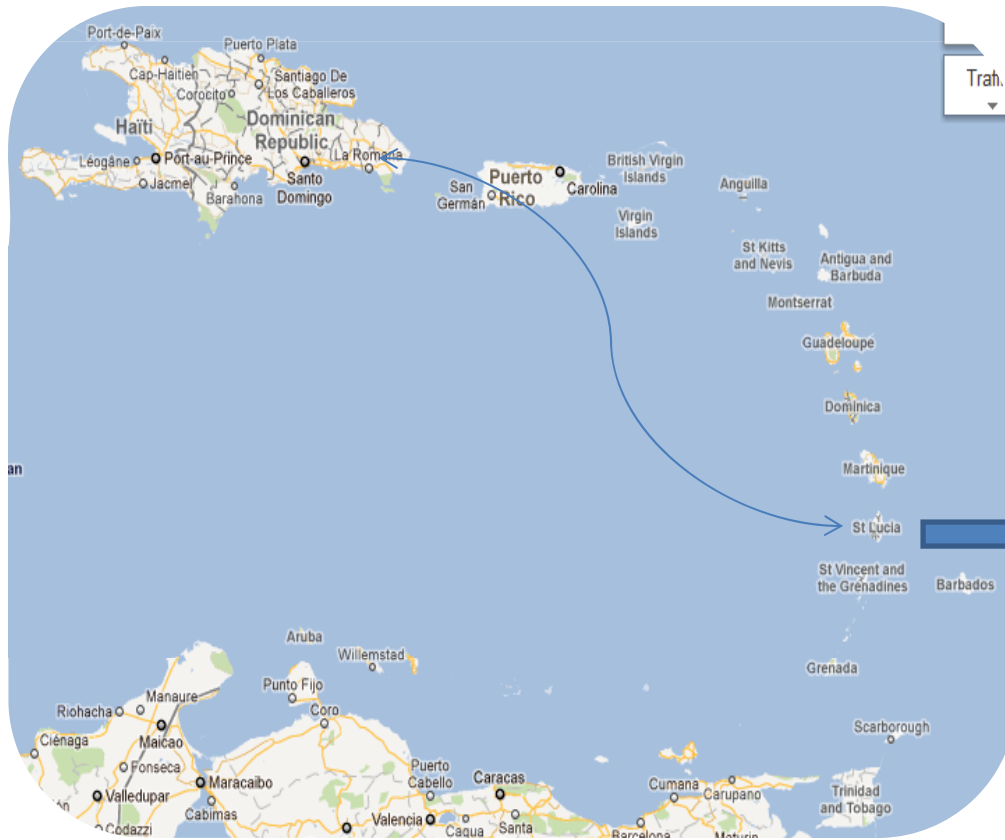


# Key Results from the 2010 St Lucia Population and Housing Census 2010 - Implications of Quality Control

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*Director of Statistics*

Sixth meeting of the SCA -ECLAC  
Bávaro, Dominican Republic  
16 - 18 November 2011

# Where is St Lucia?



# Objectives of Controlling Quality



- 1) Delivery of Relevant Census Results
  - Ensure they fulfilled national needs
  - Ensure regional needs were fulfilled
  - Ensure International Standards were adhered too
- 2) Delivery of Accurate Census Results
  - Manage the census enumeration process, data capture, editing and cleaning process to ensure reliable census results
- 3) Delivery of Timely Census Results
  - Disseminate all major census finds with 12 months of Census Day, April 2011
- 4) Delivery of Accessible Census Results
  - Disseminate the census through the media in collaboration with major government projects and programmes it would benefit, through electronic publication and at a variable level through the internet.

# Control of the Quality of Census Management – Accurate Results

- Employing quality personnel
  - Administering and scoring of basic test for writing, reading and numeracy ability of enumerators, ranking and selecting enumerators on this basis
  - Further filtering persons over 65 and under 25 based on personal interview.
- Administering evaluations/test during a week long training, census questionnaire take 30min to complete
- Attention to remuneration of enumerators
  - Based on quality of work and incentives of completing more difficult Eds
  - Not paying any enumerator until a list of 40 field checks were verified by census evaluators to be completed.

# Census 2010 Definitions



- Deliver total of all usual residents of the country and all persons present in the country at the time of the census.
  - The total of all **usual residents** or the “de jure” population
  - the total of all persons present as the “de facto” population.

# Census Counts

Table 1 A: Enumerated Population and Actual Population



CHARACTERISTICS	Enumerated Population	Actual Population
Households	151,864	165,595
Public Hospitals, Mental Homes & Nursing Homes	142	142
Relief Houses, Poor Houses & Elderly Homes	151	151
Orphanages & Boarding Schools	32	32
Monasteries & Nunneries	22	22
Her Majesty's Prisons	507	507
Homeless	77	77
<b>Total Resident Population</b>	<b>152,795</b>	<b>166,526</b>
Hotels & Guest Houses & Homes	7,194	7,194
<b>TOTAL - De Facto</b>	<b>159,989</b>	<b>173,720</b>

Source: Saint Lucia Population & Housing Census 2010

# Census Counts



**Table 4B: Actual Household Population By District, Gender and Sex Ratio**

DISTRICTS	MALE	FEMALE	TOTAL	SEX RATIO*
<b>Total Castries</b>	<b>32,475</b>	<b>33,181</b>	<b>65,656</b>	<b>102.2</b>
Castries City	2,044	2,129	4,173	<b>104.2</b>
Castries Suburban	8,775	9,163	17,938	<b>104.4</b>
Castries Rural	21,656	21,889	43,545	101.1
<b>Anse La Raye</b>	<b>3,190</b>	<b>3,057</b>	<b>6,247</b>	<b>95.8</b>
<b>Canaries</b>	<b>1,049</b>	<b>995</b>	<b>2,044</b>	<b>94.9</b>
<b>Soufriere</b>	<b>4,280</b>	<b>4,192</b>	<b>8,472</b>	<b>97.9</b>
<b>Choiseul</b>	<b>3,042</b>	<b>3,056</b>	<b>6,098</b>	<b>100.5</b>
<b>Laborie</b>	<b>3,346</b>	<b>3,355</b>	<b>6,701</b>	<b>100.3</b>
<b>Vieux Fort</b>	<b>8,166</b>	<b>8,118</b>	<b>16,284</b>	<b>99.4</b>
<b>Micoud</b>	<b>8,123</b>	<b>8,161</b>	<b>16,284</b>	<b>100.5</b>
<b>Dennerly</b>	<b>6,310</b>	<b>6,289</b>	<b>12,599</b>	<b>99.7</b>
<b>Gros Islet</b>	<b>12,213</b>	<b>12,997</b>	<b>25,210</b>	<b>106.4</b>
<b>TOTAL</b>	<b>82,194</b>	<b>83,401</b>	<b>165,595</b>	<b>101.5</b>
* - Females per 100 Males				
Source: Saint Lucia Population & Housing Census 2010				

# Census Analysis



- Urban population is more female than male
  - Castries Urban 104.3 sex ratio
  - Gros Islet 106.4
- Conversely: Rural Population is more male than female
  - Canaries 94.9
  - Soufriere 97.9



# Quality Control on Migration Data

- The Census Data file contained a number of records for which the sex of the migrant was not declared.
- To clean this data we used the 3-dimensional “hot deck” which preserved the sex ratio in the raw data.

Mark multiple choice boxes like this ☒

## SECTION 1 INTERNATIONAL MIGRATION

2. (a) Did anyone from this household move to live abroad since May 2001 and is still living abroad?

☐ 1 Yes (if Yes, continue)

☐ 2 No (Go to Section 2)

(b) How many persons?

Remember to mark multiple choice boxes like this ☒

(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Person Number	<b>Year moved 2001 - 2010</b>  <i>Write year properly inside the boxes provided</i>	<b>Highest Education attained when moved</b> 1 None 2 Primary 3 Secondary 4 Tertiary (non-university College) 5 University 6 Other	<b>Sex</b> M = 1 F = 2	<b>Age when moved</b>  0 if less than 15 years 1, 98 for 98 and over	<b>Occupation when moved</b>  Describe as clearly as possible the person(s) occupation when he/she moved.  <b>[For persons 15 years and over when moved]</b>	<b>Name of Country of Migration</b>  <u>Boxes provided are for official use</u>	<b>Main Reason for Migration</b> 1 More Income 2 Employment 3 Study 4 Medical 5 Marriage 6 Other Family reason 7 Crime Rate 8 Other Specify _____
1.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 4 <input type="checkbox"/> 2 <input type="checkbox"/> 5 <input type="checkbox"/> 3 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="text"/> <input type="text"/>		<input type="text"/> Name of Country	<input type="checkbox"/> 1 <input type="checkbox"/> 4 <input type="checkbox"/> 7 <input type="checkbox"/> 2 <input type="checkbox"/> 5 <input type="checkbox"/> 8 <input type="checkbox"/> 3 <input type="checkbox"/> 6
2.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 4 <input type="checkbox"/> 2 <input type="checkbox"/> 5 <input type="checkbox"/> 3 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="text"/> <input type="text"/>		<input type="text"/> Name of Country	<input type="checkbox"/> 1 <input type="checkbox"/> 4 <input type="checkbox"/> 7 <input type="checkbox"/> 2 <input type="checkbox"/> 5 <input type="checkbox"/> 8 <input type="checkbox"/> 3 <input type="checkbox"/> 6

# Census Emigration



**Table 38A: Inter-Census Emigrant Population by Education and Sex in Last Ten Years**

EDUCATIONAL ATTAINMENT	Emigrants		Total	Percentage of Total	Sex Distribution	
	Males	Females			Male	Female
None	212	246	458	5.4	46.3	53.7
Primary	949	1,032	1,981	23.5	47.9	52.1
Secondary	1,427	1,780	3,207	<b>38.0</b>	44.5	55.5
Tertiary (non-univ)	773	954	1,727	<b>20.5</b>	44.8	55.2
University	308	348	656	<b>7.8</b>	47.0	53.0
Other	186	221	407	4.8	45.7	54.3
<b>TOTAL</b>	<b>3,855</b>	<b>4,581</b>	<b>8,436</b>	<b>100</b>	<b>45.7</b>	<b>54.3</b>

More  
Educated

More Female

Source: Saint Lucia Population & Housing Census 2010

# Census Analysis



- Overall a decline in the Sex Ratio from 102.1 to 101.5
  - Explained by the emigration of more female, better educated persons more so women from St Lucia
  - 45.7 men to 54.3 women, nurses, persons with degrees etc
  - Emigrants are more professional
    - 28% with Tertiary Education or better compared to 11% of persons in the general population with Tertiary level education or better

# Census Counts

## PRELIMINARY CENSUS 2010 RESULTS



Table 7: Actual Household Population for Census 1991, 2001 and 2010

DISTRICTS	1991	2001	2010	Percentage Change: 1991 to 2001	Percentage Change: 2001 to 2010
	Actual Household Population	Actual Household Population	Actual Household Population		
<b>Castries</b>	<b>51,994</b>	<b>64,344</b>	<b>65,656</b>	<b>23.8</b>	<b>2.0</b>
Castries City		12,439	4,173		-66.5
Castries Suburban		25,110	17,938		-28.6
Castries Rural		26,795	43,545		62.5
<b>Anse La Raye</b>	5,035	6,060	6,247	20.4	3.1
<b>Canaries</b>	1,799	1,788	2,044	-0.6	14.3
<b>Soufriere</b>	7,683	7,656	8,472	-0.3	10.7
<b>Choiseul</b>	6,405	6,128	6,098	-4.3	-0.5
<b>Laborie</b>	7,491	7,363	6,701	-1.7	-9.0
<b>Vieux Fort</b>	13,140	14,754	16,284	12.3	10.4
<b>Micoud</b>	15,088	16,041	16,284	6.3	1.5
<b>Dennerly</b>	11,168	12,767	12,599	14.3	-1.3
<b>Gros Islet</b>	13,505	20,872	25,210	54.6	20.8
<b>TOTAL</b>	<b>133,308</b>	<b>157,775</b>	<b>165,595</b>	<b>18.4</b>	<b>5.0</b>

Source: Saint Lucia Population & Housing Census 1991, 2001, 2010

# Controlling Data Quality



- As it related to data on geographic areas
  - One edit was to relate all settlements to specific districts and to enforce other geographic integrity in the dataset
  - To encode every building with its Lat/Log coordinates to ensure more flexibility in the dissemination of census results
  - Use computer-assisted coding to accurately and efficiently code household addresses
- Age and Sex were used as part of hot decks on a number of variable where not stated categories were too high and may have distorted the census data variable

**Table 14: Estimated Mid Year Household Population by Age Group and Gender, 2010**

# Census Counts



AGE GROUP	Male	Female	Total
0 to 4	5,979	5,831	11,810
5 to 9	6,678	6,472	13,150
10 to 14	7,479	7,439	14,918
15 to 19	8,116	7,805	15,921
20 to 24	6,744	6,876	13,620
25 to 29	6,553	6,736	13,289
30 to 34	6,150	6,103	12,253
35 to 39	5,952	6,333	12,285
40 to 44	6,043	6,175	12,218
45 to 49	5,496	5,467	10,963
50 to 54	4,447	4,479	8,926
55 to 59	3,177	3,313	6,490
60 to 64	2,687	2,797	5,484
65 to 69	2,087	2,293	4,380
70 to 74	1,722	1,869	3,591
75 to 79	1,145	1,420	2,565
80 to 84	796	1,108	1,904
85 to 89	428	742	1,170
90 to 94	163	282	445
95 to 99	69	107	176
100 to 104	5	16	21
105 and Over	3	12	15
<b>TOTAL</b>	<b>81,919</b>	<b>83,675</b>	<b>165,594</b>

## Total Fertility Rate:

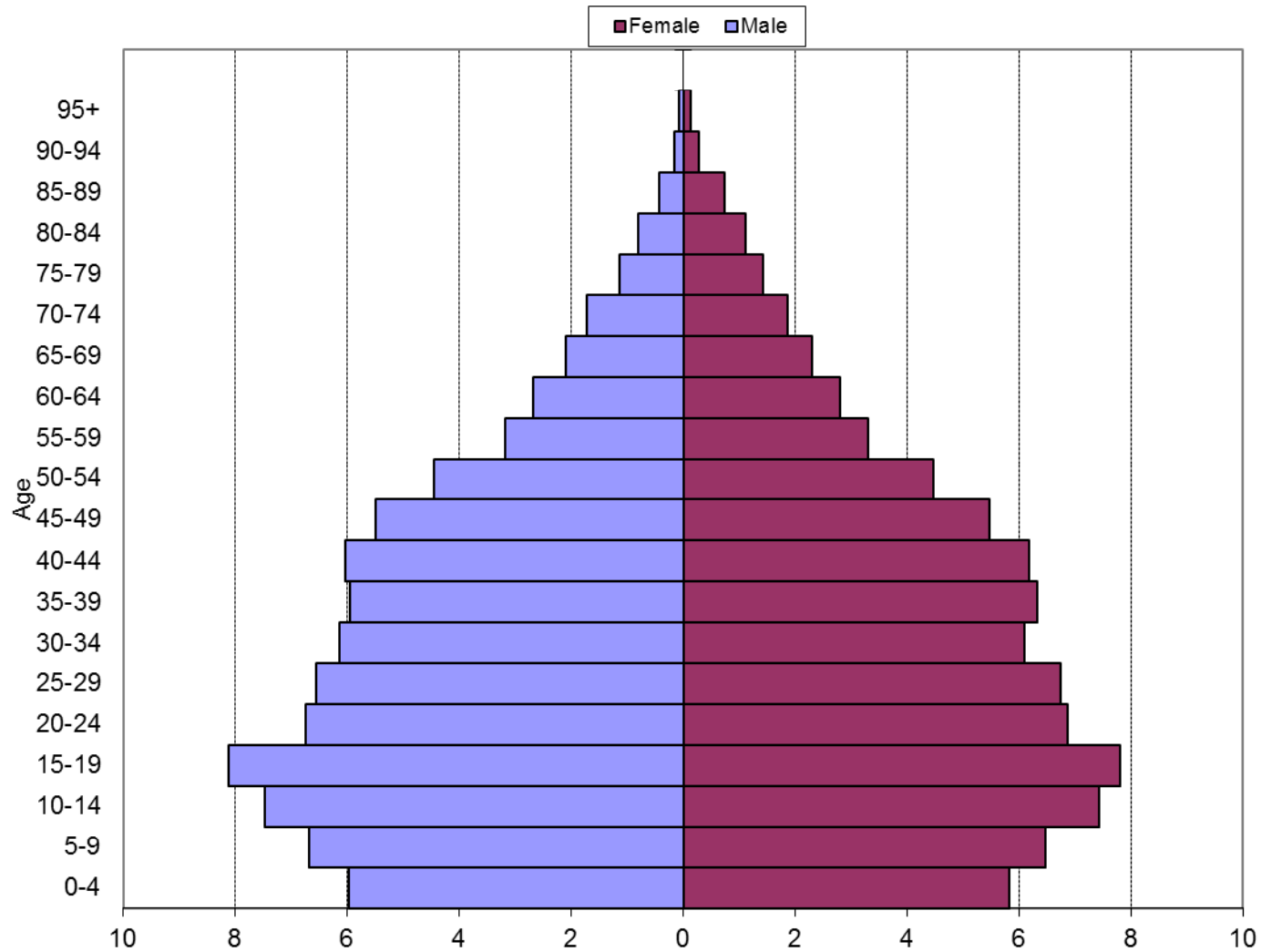
**1995 - 2.9**

**2000 - 2.0 - Replacement**

**2006 - 1.7 - Below Replacement**

Source: Saint Lucia Population & Housing Census 2010

# Population by Age and Sex ('000s)



# Census Analysis



- Slowing of the rate of population growth from 18% to 5% when comparing the 1990's to the 2000's
- Decline in the pre school and primary school age population
  - Enrollment at primary school
  - Enrollment at pre-school
- Some growth in the Secondary School Population



# Census 2010 Counts

## PRELIMINARY CENSUS 2010 RESULTS



Table 9: Number of Private Households by District

DISTRICTS	2001 Number of Households	2010 Number of Households	Percentage Change
Castries	19,622	23,493	19.7
Anse La Raye	1,849	2,162	16.9
Canaries	552	786	42.4
Soufriere	2,252	2,875	27.7
Choiseul	1,781	2,069	16.2
Laborie	2,129	2,180	2.4
Vieux Fort	4,144	5,740	38.5
Micoud	4,588	5,601	22.1
Dennery	3,753	4,402	17.3
Gros Islet	6,871	9,583	39.5
<b>TOTAL</b>	<b>47,541</b>	<b>58,891</b>	<b>23.9</b>

Source: Saint Lucia Population & Housing Census 2001, 2010

# Census 2010 Counts

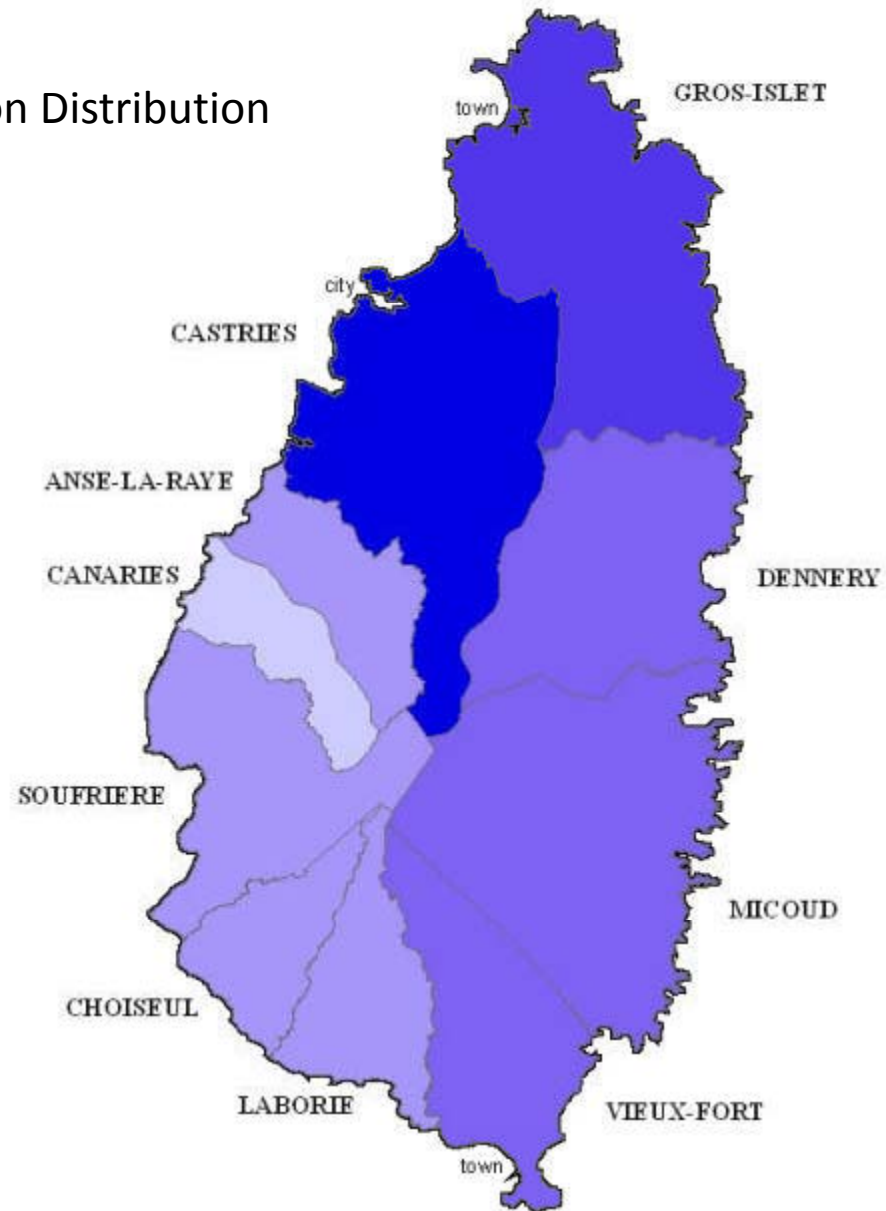
**Table 6: Number of Enumerated Households By District, Enumerated Household Population and Household Size**



DISTRICTS	2001			2010		
	Households	Enumerated Household Population	Household Size	Households	Enumerated Household Population	Household Size
<b>Total Castries</b>	<b>19,622</b>	<b>60,390</b>	<b>3.1</b>	<b>21,574</b>	<b>60,263</b>	<b>2.8</b>
Castries City	3,976	11,846	3.0	1,458	3,661	2.5
Castries						
Suburban	7,559	23,224	3.1	5,911	16,134	2.7
Castries Rural	8,087	25,320	3.1	14,205	40,468	2.8
<b>Anse La Raye</b>	<b>1,849</b>	<b>5,954</b>	<b>3.2</b>	<b>2,086</b>	<b>6,033</b>	<b>2.9</b>
<b>Canaries</b>	<b>552</b>	<b>1,741</b>	<b>3.2</b>	<b>740</b>	<b>1,915</b>	<b>2.6</b>
<b>Soufriere</b>	<b>2,252</b>	<b>7,337</b>	<b>3.3</b>	<b>2,617</b>	<b>7,747</b>	<b>3.0</b>
<b>Choiseul</b>	<b>1,781</b>	<b>5,993</b>	<b>3.4</b>	<b>1,951</b>	<b>5,766</b>	<b>3.0</b>
<b>Laborie</b>	<b>2,129</b>	<b>7,329</b>	<b>3.4</b>	<b>2,111</b>	<b>6,507</b>	<b>3.1</b>
<b>Vieux Fort</b>	<b>4,144</b>	<b>14,561</b>	<b>3.5</b>	<b>5,152</b>	<b>14,632</b>	<b>2.8</b>
<b>Micoud</b>	<b>4,588</b>	<b>15,892</b>	<b>3.5</b>	<b>4,959</b>	<b>14,480</b>	<b>2.9</b>
<b>Dennery</b>	<b>3,753</b>	<b>12,537</b>	<b>3.3</b>	<b>4,144</b>	<b>11,874</b>	<b>2.9</b>
<b>Gros Islet</b>	<b>6,871</b>	<b>19,409</b>	<b>2.8</b>	<b>8,671</b>	<b>22,647</b>	<b>2.6</b>
<b>TOTAL</b>	<b>47,541</b>	<b>151,143</b>	<b>3.2</b>	<b>54,005</b>	<b>151,864</b>	<b>2.8</b>

Source: Saint Lucia Population & Housing Census 2001, 2010

## St Lucia: Population Distribution



# Census 2010 Counts



**Table 31A: Distribution of Households by Computer Ownership and District for 2001 and 2010**

DISTRICT	Owens a Computer 2001	Owens a Computer 2010
<i>percentage of households</i>		
Castries City	16.2	43.1
Castries Suburban	18.8	41.1
Castries Rural	10.9	41.8
Anse La Raye	4.4	26.2
Canaries	2.9	21.5
Soufriere	6.3	29.3
Choiseul	4.6	25.9
Laborie	6.7	31.0
Vieux Fort	10.7	34.4
Micoud	7.7	30.1
Dennerly	4.6	26.0
Gros Islet	27.6	55.2
<b>Total Island</b>	<b>13.1</b>	<b>38.6</b>

Source: Saint Lucia Population & Housing Census 2001, 2010



# Census 2010 Counts

**Table 30: Distribution of Households by Internet Connection and District for 2001 and 2010**

DISTRICT	Internet Connection 2001	Internet Connection 2010	No Internet Connection 2001	No Internet Connection 2010
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*percentage of households*

Castries City	10.1	36.0	88.3	64.0
Castries Suburban	12.6	33.6	86.2	66.4
Castries Rural	6.9	34.4	92.5	65.6
Anse La Raye	2.8	20.5	96.9	79.5
Canaries	1.1	13.2	98.9	86.8
Soufriere	4.0	20.3	95.5	79.7
Choiseul	2.1	18.2	97.7	81.8
Laborie	4.1	23.0	95.3	77.0
Vieux Fort	6.3	26.7	92.6	73.3
Micoud	4.2	24.3	95.7	75.7
Dennerly	2.3	19.8	97.5	80.2
Gros Islet	23.5	47.9	73.1	52.1

Shows the geographic disparity in Internet Connectivity



<b>Total Island</b>	<b>6.7</b>	<b>26.5</b>	<b>92.5</b>	<b>73.5</b>
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Source: Saint Lucia Population & Housing Census 2010

# Census 2010 Counts



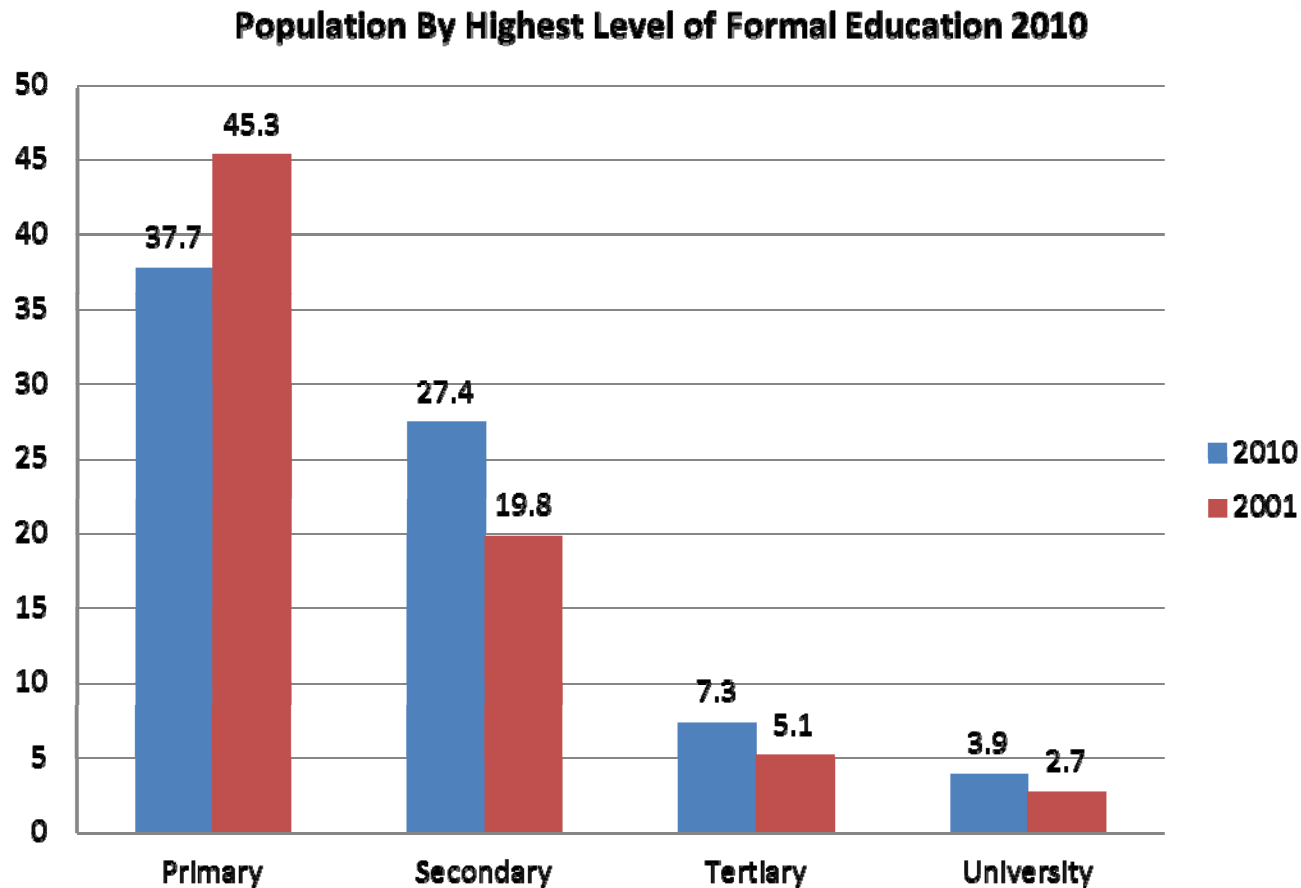
**Table 44B: Population by With Access to the Internet in the Past Three Months by Sex 2010**

Access	Male	Female	Total
<i>Percentage</i>			
Yes, Have Access	40.8	45.8	43.3
No, Do Not Have Access	59.2	54.2	56.7
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>

**Access** to the internet  
Compared to connection to the internet which has grown by 400% from 6.7% to 26.5%

Source: Saint Lucia Population & Housing Census 2010

# Census 2010 Counts



***Shifts in the last 10 years to higher levels of education***

# Census 2010 Labour Market Definitions (Based on ILO, ICLS Framework)



- An Employed person:
  - A Person who works for pay, profit or family gain during a one week reference period for at least one hour
- An Unemployed person
  - Is Seeking Work
  - Wants to work
  - Available for work
  - If not “seeking” work, is discouraged, is a future start
- Labour Force = Employed + Unemployed
- Unemployment Rate =  $\text{Unemployed} / \text{Labour Force}$



# Controlling Data Quality

- Ensure that the Labour Force Statistics from the Census were in harmony with the Labour Force Statistics from the Labour Force Survey
  - Unemployment Rate in the Census was on the SAME trend as the Unemployment rate in the Quarterly Labour Force Survey conducted by the department
  - Synchronize the LFS with the Census 2010 Questionnaire
  - Incorporate the “National Accounts” Definition of the informal Sector into the Census Questionnaire to allow the identification of the informal sector

# Census 2010 Labour Market Statistics

**Table 45: Census Labour Force Indicators, 2001 and 2010**

INDICATOR	Census 2010	Census 2001
Household Population	165,595	157,775
Household Population 15yrs & Over	125,717	109,246
Labour Force	85,310	67,238
Employed Labour Force	67,703	54,524
Unemployed Persons	17,607	12,714
<b>Unemployment Rate</b>	<b><u>20.6%</u></b>	<b><u>18.9%</u></b>
% of Population Under 15 years	24.1%	30.5%
Labour Force as a % of Household Population	51.5%	42.8%
Labour Force Participation Rate	67.8%	61.5%

Source: Saint Lucia Population & Housing Census 2010

**Rate from LFS 2009 20.5%**

Compared to the Population increase of 5%, the labour force has increase by 15%

Increase in the Labour Force Participation Rate from 61.5% to 67.8%, reflecting increasing participation of women in the labour force

Number of persons Unemployed 17,606

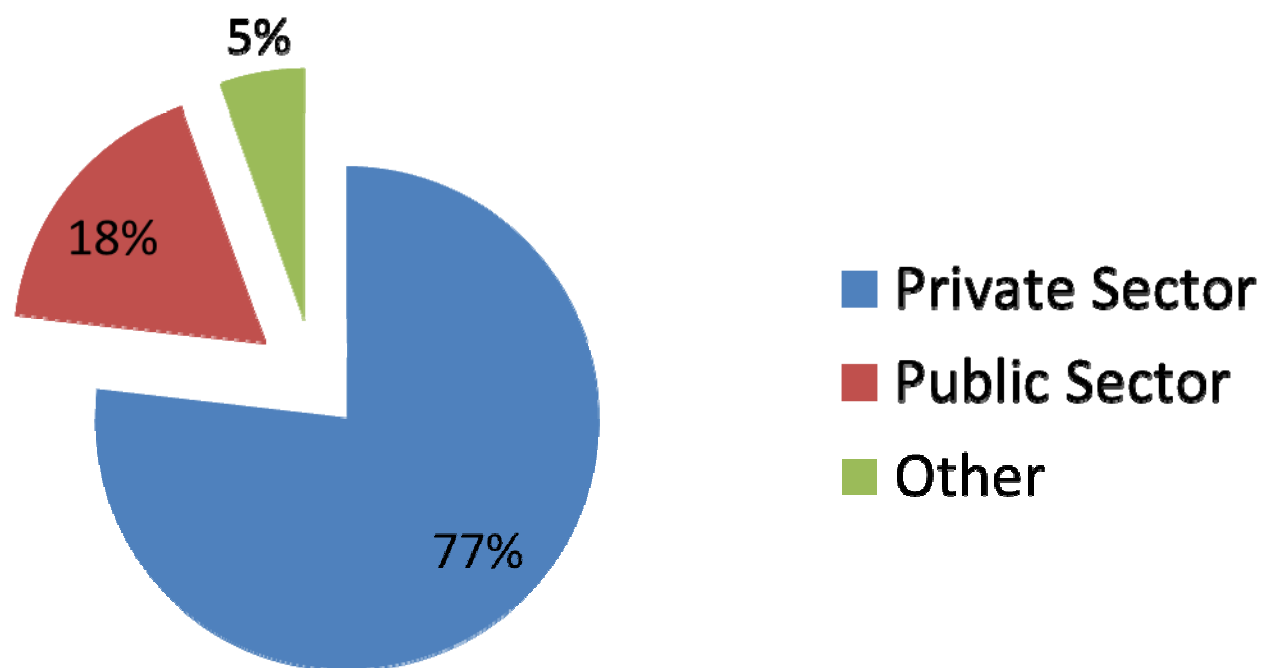
# Census 2010: The Private Sector



- Total Employment = 67,701 = 52,000 + 12,000 + 3,701
- A) Private Sector (16,000 + 36,000 = 52,000) (77% of Total)
  - Formal or Informal (16,000)
    - Self Employed with Employees (Business Owners)
    - Self Employed without Employees (Small Business Owners)
  - Private Sector Employees (36,000)
    - Formal or Informal Employment
- B) Public Sector and Quasi-Public (12,000)
  - Formal or Informal Employment
- C) NGOs, persons in private households (maids) etc (3,701)

# The Private Sector

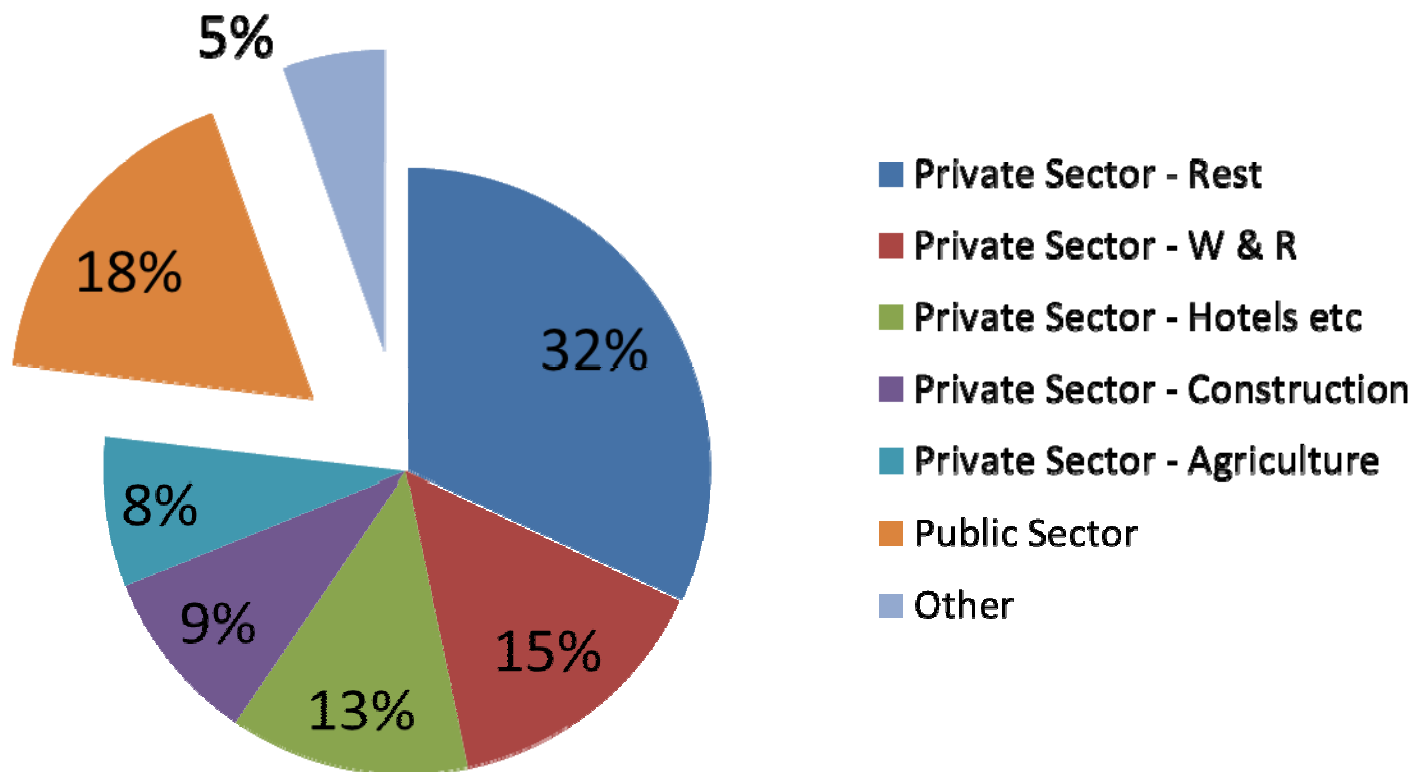
## Number Employed By Sector



# The Private Sector – Census 2010



## Number Employed By Sector



# Census 2010 - Employment



## Gross Pay by Industry Group and Sex

Industry Group	Sex	Mean	No of Persons	Percent
<b>Agriculture, forestry and fishing</b>	<b>Male</b>	<b>1211</b>	<b>3429</b>	<b>77%</b>
	<b>Female</b>	<b>1094</b>	<b>1005</b>	<b>23%</b>
	<b>Total</b>	<b>1185</b>	<b>4434</b>	<b>100%</b>
<b>Manufacturing</b>	<b>Male</b>	<b>1964</b>	<b>1520</b>	<b>55%</b>
	<b>Female</b>	<b>1369</b>	<b>1260</b>	<b>45%</b>
	<b>Total</b>	<b>1694</b>	<b>2780</b>	<b>100%</b>
<b>Wholesale and retail trade; repair of motor vehicles and motorcycles</b>	<b>Male</b>	<b>2015</b>	<b>3382</b>	<b>42%</b>
	<b>Female</b>	<b>1545</b>	<b>4612</b>	<b>58%</b>
	<b>Total</b>	<b>1744</b>	<b>7994</b>	<b>100%</b>
<b>Accommodation and food service activities</b>	<b>Male</b>	<b>2265</b>	<b>3389</b>	<b>45%</b>
	<b>Female</b>	<b>1769</b>	<b>4108</b>	<b>55%</b>
	<b>Total</b>	<b>1993</b>	<b>7498</b>	<b>100%</b>
<b>Education</b>	<b>Male</b>	<b>3027</b>	<b>754</b>	<b>26%</b>
	<b>Female</b>	<b>2747</b>	<b>2182</b>	<b>74%</b>
	<b>Total</b>	<b>2819</b>	<b>2936</b>	<b>100%</b>
<b>Information and communication</b>	<b>Male</b>	<b>3347</b>	<b>563</b>	<b>54%</b>
	<b>Female</b>	<b>2959</b>	<b>486</b>	<b>46%</b>
	<b>Total</b>	<b>3168</b>	<b>1049</b>	<b>100%</b>
<b>Financial and insurance activities</b>	<b>Male</b>	<b>4014</b>	<b>489</b>	<b>31%</b>
	<b>Female</b>	<b>3373</b>	<b>1079</b>	<b>69%</b>
	<b>Total</b>	<b>3573</b>	<b>1568</b>	<b>100%</b>
<b>Total</b>	<b>Male</b>	<b>2276</b>		
	<b>Female</b>	<b>2048</b>		
	<b>Total</b>	<b>2169</b>		

# Census 2010 Labour Market Statistics



Table 46: Employed Population by Sex and Age Group, 2010

AGE GROUP	Males	Female	TOTAL	Percentage of Males	Percentage of Females	Gender Distribution	
						Male	Female
15-19 Years	1,311	808	2,119	21.0	19.7	62%	38%
20-24 Years	4,055	3,509	7,564	20.6	20.7	54%	46%
25-29 Years	4,732	4,288	9,020	12.6	13.0	52%	48%
30-34 Years	4,832	4,086	8,918	8.5	9.5	54%	46%
35-39 Years	4,790	4,294	9,084	6.9	8.1	53%	47%
40-44 Years	4,796	4,024	8,820	7.2	8.0	54%	46%
45-49 Years	4,294	3,523	7,817	6.5	6.3	55%	45%
50-54 Years	3,359	2,672	6,031	5.4	4.0	56%	44%
55-59 Years	2,195	1,666	3,861	3.8	2.8	57%	43%
60-64 Years	1,441	823	2,264	2.8	2.1	64%	36%
65 Years and Over	1,488	718	2,206	4.8	5.8	67%	33%
<b>TOTAL</b>	<b>37,293</b>	<b>30,411</b>	<b>67,704</b>	<b>100</b>	<b>100</b>	<b>55%</b>	<b>45%</b>

Source: Saint Lucia Population & Housing Census 2010

# Census 2010 Labour Market Statistics



**Table 48: Unemployed Rate by Age Group and Sex for Census 2010**

<b>AGE GROUP</b>	<b>Males</b>	<b>Female</b>	<b>Total</b>
15-19 Years	59%	68%	63%
20-24 Years	31%	34%	32%
25-29 Years	19%	21%	20%
30-34 Years	14%	17%	15%
35-39 Years	12%	14%	13%
40-44 Years	12%	15%	13%
45-49 Years	12%	13%	13%
50-54 Years	13%	11%	12%
55-59 Years	13%	13%	13%
60-64 Years	15%	18%	16%
65 Years and Over	22%	41%	30%
<b>TOTAL</b>	<b>19%</b>	<b>22%</b>	<b>21%</b>

<b>Youth</b>			
<b>Unemployment</b>	33%	35%	34%
<b>Other Adult</b>			
<b>Unemployment</b>	13%	16%	14%
<b>TOTAL</b>	<b>19%</b>	<b>22%</b>	<b>21%</b>

Source: Saint Lucia Population & Housing Census 2010

\* Youth are defined as persons 15 to 29 years of age



# Census 2010 Labour Market Analysis



- High Rates of Unemployment (20.6%)
  - Focused on Youth (34%)
  - The elderly, showing problem in the provision of retirement support (30%)
- High Rates which are geographically focused
  - Gros-Islet (13.6%)
  - Rest of St Lucia (26%)
  - Canaries (33%)



# Ranking of Communities

- “...many assets play a both direct and indirect effect on outcomes [...], there is no way to infer from the unconstrained coefficients on the asset variables from a multivariate regression analysis the impact of an increase in wealth” (Filmer and Pritchett, 1998).



# Ranking of Communities

- An “asset index” by Filmer and Pritchett (1998), has found significant support in the research community.
- The Filmer and Pritchett Asset Index, is based on using principal components analysis to derive weights for household assets, which are then used to construct a weighted aggregate index, and consequently, to classify households (or survey populations) into quintiles of “wealth”. . The Filmer and Pritchett Asset Index is named with a variety of terms: the Wealth Index, the Asset Index, the Standard of Living Index, etc.



# Ranking of Communities

- Is it worth the effort to use principal components analysis, which probably alienates the less statistically minded researcher or the potential non-technical reader by relying on an abstract set of weights for household assets? Or, is it possible to obtain similar results by using other, simpler approaches? .....**Which can be better explained**

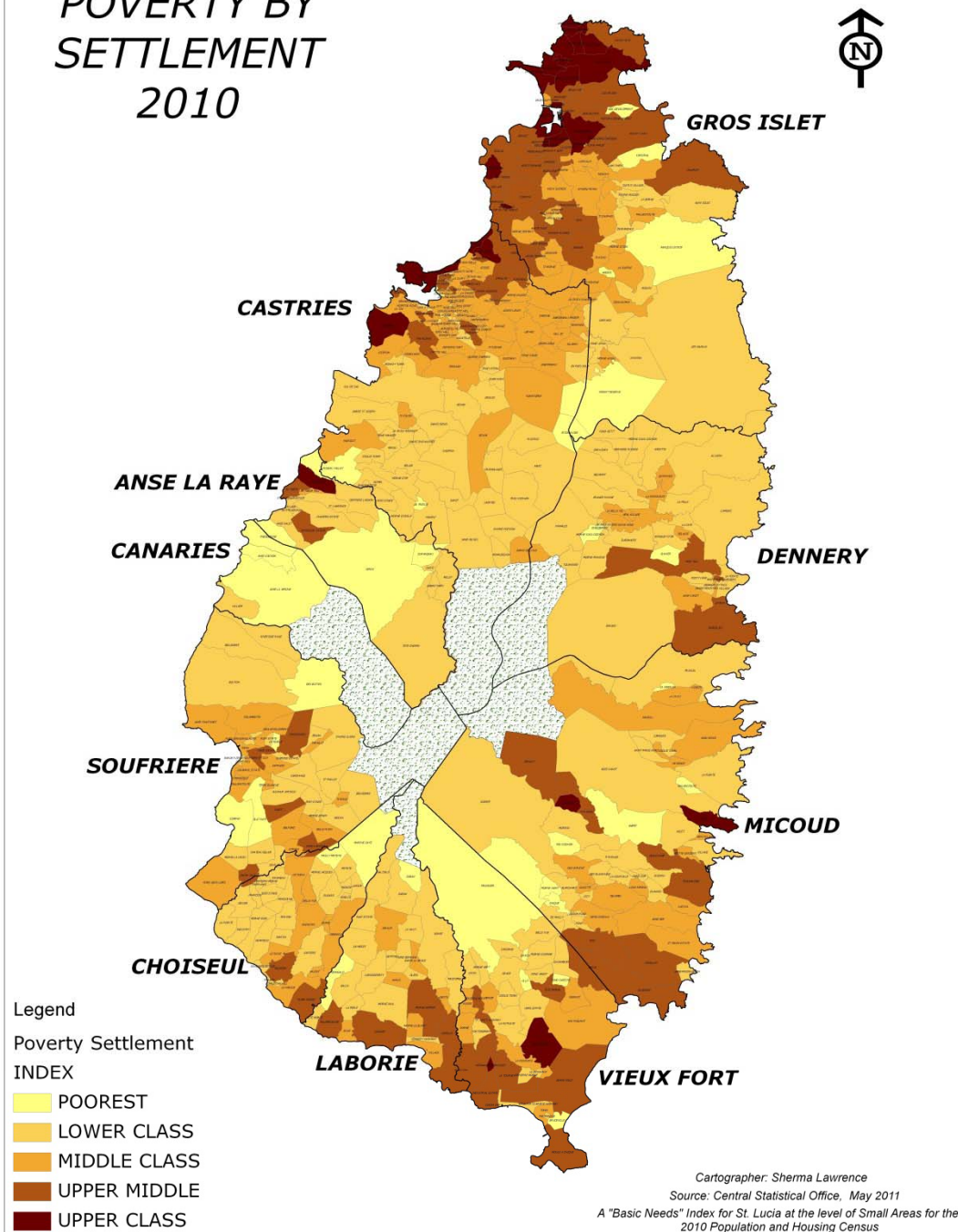
This is the question which was asked in this article:

**PERFORMANCE OF ALTERNATIVE APPROACHES FOR IDENTIFYING THE RELATIVELY POOR AND LINKAGES TO REPRODUCTIVE HEALTH**

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*Glen Avilez raised this issue with me recently.*

# POVERTY BY SETTLEMENT 2010



# Thank You



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# Census 2010 Data

- Preliminary Report
- Web Database for online querying of the Census data at the level of the settlement or District **only**
- Detailed analytical report on the census
- [www.stats.gov.lc](http://www.stats.gov.lc)
- Twitter: @stluciasstats
- Twitter: @edwinstcatherin
- Thank You