

## Hinton, Nicole Lorraine

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**From:** Zechmeister, Elizabeth J.  
**Sent:** Thursday, December 12, 2013 1:30 PM  
**To:** Vriniotis, Mary G.; Hinton, Nicole Lorraine  
**Subject:** RE: LAPOP: National Capital definitions

Hi Mary,

Thank you for this. Let's prioritize the Kingston survey so that we can get that feedback by tomorrow.

Liz

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**From:** Vriniotis, Mary G. [maryv@IADB.ORG]  
**Sent:** Thursday, December 12, 2013 12:28 PM  
**To:** Hinton, Nicole Lorraine; Zechmeister, Elizabeth J.  
**Subject:** RE: LAPOP: National Capital definitions

Hi Nicole,

That is the document but as I mentioned I need to confirm the boundaries for Port of Spain. Paramaribo is fine, can you work with that for now? If you guys want the Kingston survey back tomorrow I may not be able to resolve port of Spain today. I also have a call into the Bahamas to move forward there asap.

Thanks,  
Mary

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**From:** Hinton, Nicole Lorraine [<mailto:nicole.l.hinton@Vanderbilt.Edu>]  
**Sent:** Thursday, December 12, 2013 10:27 AM  
**To:** Zechmeister, Elizabeth J.; Vriniotis, Mary G.  
**Subject:** RE: LAPOP: National Capital definitions

Hi Mary,

Is the Word document that Liz sent yesterday the correct document referring to the definitions of the national capitals for Suriname and Trinidad that you wish to use? Please advise. Once our team has these definitions, we can examine our 2012 data, as well as gather and design the sample for 2014.

Best,  
Nicole

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**From:** Zechmeister, Elizabeth J.  
**Sent:** Wednesday, December 11, 2013 7:47 AM  
**To:** Vriniotis, Mary G.; Hinton, Nicole Lorraine  
**Subject:** RE: LAPOP: National Capital definitions

Hi Mary,

Is the attached the discussion of proposed capital samples that you are referring to? I looked at the chain of emails that contained this (it was in a word attachment that I sent to you on Oct. 20) and I don't see confirmation from you that we should proceed with the plan in the attached. If there is a later email exchange that we had and I'm forgetting, please

let me know.

I've looked at my records for the discussions with Nathalie's team, and we have "Barbados" and "Guyana" on the list.

Best,  
Liz

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**From:** Vriniotis, Mary G. [maryv@IADB.ORG]  
**Sent:** Wednesday, December 11, 2013 2:49 AM  
**To:** Hinton, Nicole Lorraine  
**Cc:** Zechmeister, Elizabeth J.  
**Subject:** RE: LAPOP: National Capital definitions

Hi Nicole,

Liz sent a PDF a while back that was helpful about the proposed capital samples. I remember there being no issue with the definition for Paramaribo, please let me know if I'm overlooking something there. With Port of Spain, I want to include Laventille, which I believe is fairly urban throughout, whereas for instance St Andrew's parish near Kingston had urban AND rural communities, so I had to delineate the urban ones. Do you have any details on the urbanicity of Laventille? If we're unable to further distinguish what exactly to include by Friday, then let's go with the whole of Laventille.

On another note, Liz, Nathalie mentioned she thought a couple of Caribbean cities were in the budget you gave her for her study of cities, but she didn't have the spreadsheet handy and hasn't sent it to me yet. I'm assuming if she's right, it's not the capitals of Barbados or Guyana, but could you confirm?

Thanks,  
Mary

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**From:** Hinton, Nicole Lorraine [nicole.l.hinton@Vanderbilt.Edu]  
**Sent:** Tuesday, December 10, 2013 1:17 PM  
**To:** Vriniotis, Mary G.  
**Cc:** Zechmeister, Elizabeth J.  
**Subject:** LAPOP: National Capital definitions

Hi Mary,

I am taking the lead on the sample design for Suriname and Trinidad & Tobago. In order to move our team forward, I need the definitions for the national capitals: Paramaribo, Suriname and Port of Spain, Trinidad & Tobago. I am copying Liz on this email and apologize if you have already sent this information to her – I will obtain it from her if you already provided it.

Best,  
Nicole

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Nicole Hinton  
Research Coordinator  
Latin American Public Opinion Project  
Vanderbilt University  
615-875-6969

Attachment: TT\_Suriname samples\_10 20 13

Sent by Zechmeister on Wed 12/11/2013 at 7:47AM

In specific terms, and focused on Suriname and Trinidad & Tobago, and Suriname, our examination of the available census data shows the following. We want to emphasize, that the national sample size numbers are not final, but very good guesses. We would want to have the IDB help us work with the national census bureaus to obtain the most recent data (e.g., definitive census data as opposed to preliminary estimates) and adjust our numbers accordingly. But we do not expect these numbers for the national samples will vary much from the final samples, and we will be able to guarantee the 3,000 for the capital city areas.

Trinidad & Tobago:

Port of Spain is the capital of what is in effect a linear metropolitan area that runs from the west coast of the Island along a narrow strip of land along the Churchill Roosevelt Highway (running West to East) and the Uriah Butler Highway (running North to South). This is one, geographically contiguous metropolitan area. These areas consist of the following Municipality/Parish/Borough census units:

1. City of Port of Spain
2. San Juan/Laventille
3. Borough of Arima
4. Borough of Chaguanas

According to the 2011 census, these also include the most densely populated areas in the country, as shown in the table below. The only real exception is the City of San Fernando, which lies south of this metro area and not part of the larger urban agglomeration.

**Table 2.1:**  
**Population Density, Trinidad and Tobago, 2000 and 2011**

Municipality/Parish	Land Area (Sq km)	Density (Per Sq km) 2011	Density (Per Sq km) 2000	Population 2011	Population 2000
<b>TRINIDAD AND TOBAGO</b>	<b>5127</b>	<b>259</b>	<b>246</b>	<b>1328019</b>	<b>1262366</b>
<b>TRINIDAD</b>	<b>4827</b>	<b>263</b>	<b>250</b>	<b>1267145</b>	<b>1208282</b>
City of Port of Spain	12	3090	4086	37074	49031
City of San Fernando	19	2570	2917	48838	55419
Borough of Arima	12	2801	2690	33606	32278
Borough of Chaguanas	59	1416	1143	83516	67433
Borough of Point Fortin	25	809	762	20235	19056
Couva/Tabaquite/Talparo	723	247	225	178410	162779
Diego Martin	126	817	839	102957	105720
Mayaro/Rio Claro	814	44	41	35650	33480
Penal/ Debe	246	363	340	89392	83609
Princes Town	620	165	148	102375	91947
San Juan/ Laventille	239	658	658	157258	157295
Sangre Grande	927	82	69	75766	64343
Siparia	495	176	165	86949	81917
Tunapuna/ Piarco	510	422	400	215119	203975
<b>TOBAGO</b>	<b>300</b>	<b>203</b>	<b>180</b>	<b>60874</b>	<b>54084</b>
St Andrew	21	835	754	17536	15830
St David	38	230	197	8733	7504
St George	43	160	125	6875	5364
St John	55	51	55	2825	2998
St Mary	56	59	53	3297	2965
St Patrick	38	409	369	15560	14011
St Paul	49	123	110	6048	5412

Therefore, we define this area as “greater metropolitan Port of Spain” The total population, as can be calculated from the table above is 311,454, or 24.7% of the country.<sup>1</sup>

<sup>1</sup> Our definitive calculations will be based on the voting-age population, but the proportions should remain nearly constant.

Therefore, we propose drawing a sample of 3,000 from this area, and drawing a remaining “national” sample of 1,130 cases.

### Suriname

The capital is Paramaribo, with a 2011 population census of 236,065. This city alone represents 44% of the population of the country (534,189), as shown in our LAPOP table below.

<b>Total population</b>	<b>From Census Office report -</b>				
Population/ Estratopri	2004	%	2011	%	Change 2004/2011
Paramaribo	242,946	49%	236,065	44%	-2.83
Wanica / Para	104,735	21%	141,458	26%	35.06
Nickerie / Coronie / Saramacca	55,506	11%	54,645	10%	-1.55
Commewijne / Marowijne	41,291	8%	49,201	9%	19.16
Brokopondo / Sipaliwini	48,351	10%	52,820	10%	9.24
<b>Total</b>	<b>492,829</b>	<b>100%</b>	<b>534,189</b>	<b>100%</b>	<b>8.39</b>

The other major geographic concentrations are too far distant from the capital to be considered a continuous metro area. Therefore we would conduct 3,000 interviews in Paramaribo and additional 840 interviews for the “national” sample.