



NHTS, InfoGroup, AWI QCEW ES-202 Data Status Update

Presented to:

Florida Model Task Force

Presented by:

S. Frank Tabatabaee

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National Household Travel Survey (NHTS) Florida Add-on

- *Florida's NHTS Add-on Version 1.0 was delivered on May 2010 and distributed to MPOs and Districts on June 2010.*
 - *In early 2010 FHWA NHTS received inquires relating to transit estimates.*
 - *This version of NHTS had higher estimates as a result of accounting for a small number of outliers among the analytical weights.*
 - *Florida was the first States to receive corrective action regarding its Add-on data.*





National Household Travel Survey (NHTS) Florida Add-on

- Florida's Enhanced NHTS Add-on Version 2.0 was delivered late September 2010 and was distributed to MPOs and Districts on October 2010.
 - Westat in cooperation with FHWA NHTS started the re-weight process of Florida Add-on early on, notifying Florida of its action.
 - This process reduced the influence of outliers in its analytical weights.
 - Also, this re-weight process was based on the population estimates from the most recent 2008 ACS data to enhance population totals.

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National Household Travel Survey (NHTS) Florida Add-on

- Data sets contain the following files:
 - Household file with enhanced weights (WTHHFIN)
 - Person file with enhanced weights (6 Military & 1,107 ages 0-4 year olds were excluded from the files.) (WTPERFIN)
 - Vehicle File (WTHHFIN)
 - Day Trip File with enhanced weights (WTTRDFIN)
 - Note: Location file (Latitude, longitude) was not revised nor was the code book at this time.
 - To weight a variable, multiply the variable by its weight. This will raise the samples to the correct number of households, persons, children, vehicles and annual trips. The weights include correction for non-response adjustment.

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National Household Travel Survey (NHTS) Florida Add-on

Applying Weights

| | Unweighted (Sample) | Weighted (Population) |
|-----------------------------|---------------------|-----------------------|
| Household Count | 15,384 | 7,037,283 |
| Count of HH Vehicles | 29,290 | 11,847,829.34 |
| Person Count | 30,952 | 17,187,824.00 |
| Retired | 11,217 | 3,004,433.00 |
| Workers | 12,191 | 8,823,798.89 |
| Drivers | 25,738 | 13,193,131.73 |
| Adults | 27,486 | 14,324,069.39 |
| Person Miles Traveled | 1,090,572.52 | 207,894,666,061.13 |
| Vehicle Miles Traveled | 641,268.56 | 127,391,436,584.06 |
| Vehicle Trips | 73,800 | 14,183,666,820.16 |
| Person Trips | 114,910 | 22,864,357,155.86 |
| Person Per Household | 1.95 | 2.44 |
| Workers Per Household | 0.77 | 1.28 |
| Driver Per Household | 1.62 | 1.87 |
| Workers Per Adult | 0.44 | 0.62 |
| Drivers Per Adult | 0.94 | 0.92 |
| Vehicles Per Household | 1.84 | 1.68 |
| Vehicles Per Driver | 1.14 | 0.9 |
| Vehicles Per Worker | 2.4 | 1.34 |
| Person Trips Per Household | 7.23 | 8.88 |
| PMT Per Household | 66.66 | 80.71 |
| VMT Per Household | 40.37 | 49.43 |
| Average Vehicle Trip Length | 8.96 | 9.16 |
| Person Trips Per Person | 3.71 | 3.64 |

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National Household Travel Survey (NHTS) Florida Add-on

- We have distributed Florida's NHTS Add-on data to:
 - 7 FDOT Districts
 - 20 MPOs
 - 7 Consultants working on behalf of MPOs and/or FDOT
 - 2 Universities working on behalf of MPOs and/or FDOT
 - 1 Virginia DOT
- We also obtained Georgia DOT Add-on data
 - This data is useful for FL/GA border and beyond TAZs leaving and entering Florida.
 - This data is available upon request with the same confidentiality stipulation as that of Florida Add-on data.

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National Household Travel Survey (NHTS) Florida Add-on

- Confidentiality issues related to NHTS Add-on
 - NHTS respondents were given the promise to use the data for statistical purposes.
 - If sharing this data with your staff (in-house, consultants, academics) working directly on your project, please insure that they are aware of confidentiality pledge and provide a copy of confidentiality Agreement for their signature. Please keep a copy and forward a copy to the central office.
 - If there are entities requesting this data and they do not work on your project, please refer them to the central office.
 - Federal regulations requires the removal of specifically identifiable information to be removed from the files. (e.g. Masking)

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National Household Travel Survey (NHTS) Florida Add-on

- Confidentiality issues related to NHTS Add-on (Continued)
 - There are State of Florida confidentiality and privacy regulations in addition to the Federal requirements that require compliance.
 - Help is available at the FDOT and FHWA NHTS regarding the confidentiality issues. Please contact:
 - Frank Tabatabaee (850) 414-4931 or email to Frank.Tabatabaee@dot.state.fl.us
 - Adella Santos at (202) 366-5021 or email to Adella.Santos@dot.gov
 - Susan Liss at (703) 931-1516 or via email to Susan.Liss@dot.gov

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InfoGroup, formerly know as InfoUSA

- **InfoGroup data pertaining to Florida's Employment data was purchased in early November 2010 (a snapshot of October 27,2010) and distributed by Mid November 2010 to FDOT Districts and MPOs by request.**
- **The package contains the following files:**
 - **Business file (Active businesses in Florida)**
 - **Nixie file (Out of business file) as complementary through negotiations**
 - **Suspect file (Suspected out of business) as complementary through negotiations**

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InfoGroup, formerly know as InfoUSA

- **In May 2010 we created a focus group to discuss, document and present some of the pressing issues regarding InfoGroup data. The objectives of the meeting were to identify in a clear manner areas for improvement – especially with respect to data coverage and data maintenance.**
 - **The individuals volunteering for this task were:**
 - **Lina Kullkowski**
 - **Elaine Martino**
 - **Taye Warfield**
 - **Lixin Huang**
 - **Neelam Fatima**
 - **Betty McKee**
 - **Capton Siluvairajan**
 - **Krishnan Viswanathan**
 - **Terry Corkery**
 - **Vidya Mysore**
 - **Frank Tabatabaee**
 - **I'd like to thank everyone above in the focus group (specifically those who were vocal) who participated and helped bring our concerns to InfoGroup.**

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InfoGroup, formerly know as InfoUSA

- The list of issues discussed and compiled were:
 - **Natural Disasters:**
 - Destroyed businesses continue to appear in the database.
 - **Government Employment:**
 - State, County, City, Federal governments, Post Offices and Correctional Institutions are missing and if available they are consolidated into one location with number of employees missing or wrong NAICS code.
 - **Hospital Coverage:**
 - Hospitals are missing from the database and if available they have a wrong NAICS code, missing employment and no employee size grouping id.
 - **Big Box Employment:**
 - There are instances of wrong employment and classes.
 - **Higher Education Coverage:**
 - Universities and community colleges are missing in the database entirely.

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InfoGroup, formerly know as InfoUSA

- **Military Bases:**
 - Military bases are missing in the database and if available they have wrong employment class, number and location.
- **Home Businesses:**
 - Attributes for home businesses are not coded correctly.
- **Geographic Coverage:**
 - The offsets used by InfoUSA impact businesses along Traffic Analysis Zone (TAZ) boundaries and these get assigned to the wrong TAZ. Another issue was that in many instances InfoUSA X/Y coordinates matched only at the zip code level and did not match at the establishment level. Need InfoUSA to use a 50 to 75 feet offset when geocoding the addresses.
- **Duplicate Records:**
 - Either duplicate business listings were found or because of similarity in street addresses, businesses were geocoded to the wrong city. This calls for the need to verify the data before inclusion in the database.
- **Warehouse and Distribution Centers for Freight movement studies:**
 - The database is missing most warehouse and distribution centers. Also there are wrong employment class and location.

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InfoGroup, formerly know as InfoUSA

- The group provided InfoGroup examples on how they approach resolving problems, such as writing letters to the hospitals, schools, military bases, etc.
- The group also provided Google map of warehouses in Duval and other counties that were missing in InfoGroup file.
- What did we gain from these meetings with InfoGroup?
 - Perhaps very little, understanding that InfoGroup internal structure and business rules are hard to crack. Also knowing that we are not the only client to InfoGroup, they have other major clients.
 - We did manage to include in the contract the Nixie and Suspect files free of charge.
 - We hoped that our suggestions and examples given had some impact and benefited InfoGroup in the way they collect relevant business data.
 - We managed to receive Ninety (90) days warranty after receipt of the Product, to inspect it and notify Vendor of any problems or mistakes.

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InfoGroup, formerly know as InfoUSA

- We have, so far, distributed InfoGroup Employment data to:
 - 3 FDOT Districts
 - 5 MPOs
- Protocols for data distribution and data usage:
 - Data is available to all MPOs and FDOT Districts by request.
 - Data must be used for your Modeling practices only.
 - Consultants, Academics working on your project are authorized to access and work with this data.
 - Please refer clients to Central Office who are not directly working on your project for review and approval.

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AWI, QCEW (ES-202) Employment Data

- QCEW data contains information for employers that have Unemployment Insurance with AWI.
- AWI maintains QCEW data on a quarterly bases.
- FDOT SPO signed a confidentiality Agreement with AWI to use and protect the data from unauthorized users.
- Central Office uses this data to derive Control Totals and other statistical figures and charts that can be shared with our Modelers.
- These charts contain graphical comparison with that of the InfoGroup employment data.
- We have included these charts with the release of the InfoGroup data.

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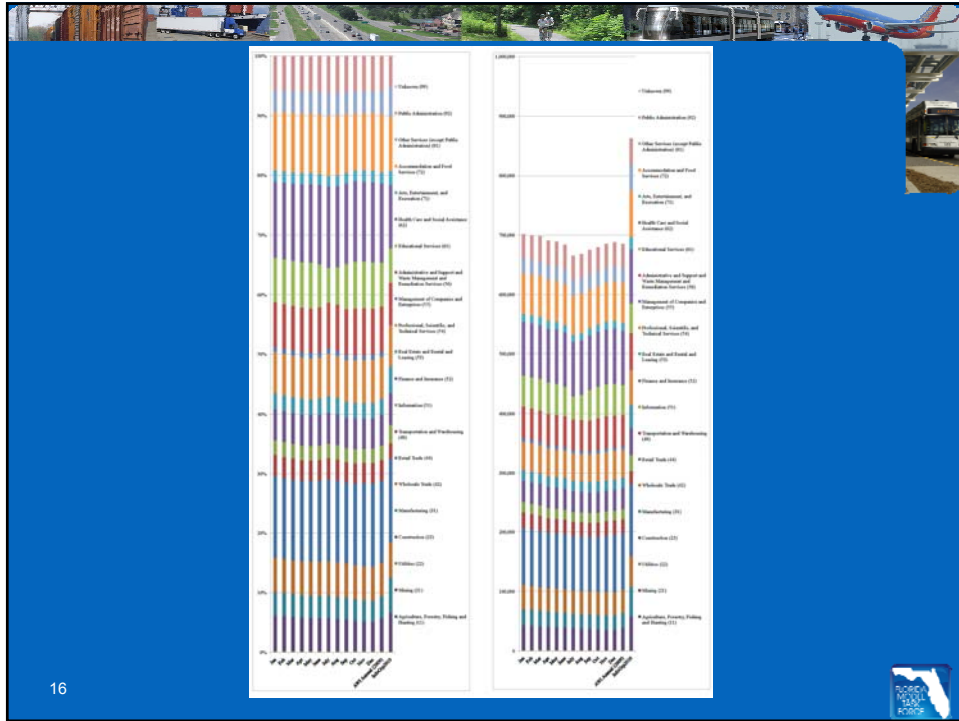
2009 AWI VS 2010 InfoGroup

- 2009 AWI data Jan- Dec and Annual VS 2010 InfoUSA

| NAICS | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec | AWI Annual (2009) | InfoGroup 2010 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------|----------------|
| Agriculture, Forestry, Fishing and Hunting (1) | 803 | 796 | 806 | 847 | 841 | 763 | 721 | 713 | 727 | 733 | 734 | 793 | 771 | 870 |
| Miners (21) | 100 | 98 | 95 | 94 | 97 | 99 | 99 | 96 | 102 | 98 | 83 | 98 | 95 | 399 |
| Utilities (22) | 1,313 | 1,316 | 1,311 | 1,282 | 1,279 | 1,287 | 1,289 | 1,292 | 1,306 | 1,301 | 1,317 | 1,323 | 1,301 | 685 |
| Construction (23) | 41,270 | 40,479 | 39,563 | 38,021 | 37,688 | 37,293 | 36,432 | 35,793 | 35,388 | 34,178 | 33,345 | 33,033 | 36,874 | 55,595 |
| Manufacturing (31) | 27,524 | 27,144 | 26,650 | 26,072 | 25,674 | 25,412 | 24,738 | 24,663 | 24,828 | 24,669 | 24,834 | 24,767 | 25,555 | 50,696 |
| Wholesale Trade (42) | 40,071 | 39,460 | 39,179 | 38,307 | 39,078 | 38,957 | 38,494 | 38,603 | 38,355 | 38,569 | 38,795 | 38,778 | 38,972 | 61,514 |
| Retail Trade (44) | 96,488 | 95,458 | 95,049 | 93,422 | 93,499 | 93,196 | 91,919 | 92,061 | 92,100 | 93,216 | 95,590 | 96,893 | 94,667 | 121,018 |
| Transportation and Warehousing (48) | 25,209 | 25,132 | 24,993 | 24,335 | 23,953 | 23,934 | 23,504 | 23,418 | 23,156 | 23,383 | 23,719 | 23,746 | 24,039 | 22,795 |
| Information (51) | 17,609 | 17,548 | 17,326 | 17,044 | 17,240 | 16,758 | 16,511 | 16,439 | 16,328 | 16,411 | 16,440 | 16,460 | 16,324 | 26,888 |
| Finance and Insurance (52) | 36,269 | 36,202 | 36,213 | 35,611 | 35,479 | 35,254 | 34,579 | 34,537 | 34,293 | 34,674 | 34,749 | 34,806 | 35,221 | 45,792 |
| Real Estate and Rental and Leasing (53) | 18,725 | 18,708 | 18,672 | 18,701 | 18,578 | 18,723 | 18,534 | 18,217 | 18,071 | 17,959 | 17,912 | 18,068 | 18,406 | 38,465 |
| Professional, Scientific, and Technical Services (54) | 49,041 | 49,253 | 49,079 | 47,492 | 46,677 | 46,748 | 46,557 | 46,509 | 46,793 | 48,172 | 49,057 | 49,420 | 47,849 | 69,311 |
| Management of Companies and Enterprises (55) | 5,803 | 5,495 | 5,412 | 5,441 | 5,371 | 5,545 | 5,439 | 5,392 | 5,366 | 5,318 | 5,271 | 5,280 | 5,427 | 966 |
| Administrative and Support and Waste Management and Remediation Services (56) | 53,017 | 52,810 | 52,768 | 52,077 | 52,372 | 52,071 | 51,664 | 52,066 | 52,185 | 53,856 | 54,370 | 53,560 | 52,735 | 60,442 |
| Educational Services (61) | 52,499 | 52,839 | 52,894 | 52,664 | 53,106 | 49,541 | 38,944 | 42,091 | 51,472 | 53,283 | 53,813 | 53,698 | 50,836 | 49,916 |
| Health Care and Social Assistance (62) | 69,332 | 69,787 | 69,666 | 69,295 | 69,721 | 69,675 | 69,629 | 69,016 | 69,043 | 69,586 | 69,846 | 69,194 | 69,787 | 91,740 |
| Arts, Entertainment, and Recreation (71) | 13,560 | 13,671 | 13,617 | 13,348 | 13,628 | 12,697 | 12,153 | 12,166 | 12,132 | 12,428 | 12,844 | 13,134 | 12,873 | 20,004 |
| Accommodation and Food Services (72) | 69,552 | 69,893 | 69,734 | 68,697 | 68,835 | 68,386 | 66,038 | 66,941 | 66,240 | 64,981 | 65,834 | 66,613 | 67,554 | 78,365 |
| Other Services (except Public Administration) (81) | 25,507 | 25,672 | 25,757 | 25,626 | 25,682 | 25,547 | 25,406 | 25,596 | 25,333 | 25,216 | 25,345 | 25,543 | 25,512 | 43,384 |
| Public Administration (92) | 39,953 | 40,198 | 40,236 | 40,934 | 40,454 | 41,135 | 41,119 | 40,601 | 40,287 | 40,101 | 40,117 | 40,229 | 40,447 | 44,434 |
| Unknown (99) | 0 | 0 | 0 | 9 | 10 | 10 | 17 | 19 | 20 | 83 | 75 | 86 | 27 | 863 |
| Total | 701,523 | 699,924 | 699,305 | 693,220 | 689,313 | 683,563 | 668,570 | 669,223 | 673,510 | 680,213 | 685,620 | 688,103 | 685,545 | 863,533 |

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2009 AWI VS 2010 InfoGroup

- **Why the differences?**
 - *Jobs that are exempt or otherwise not covered by unemployment insurance were not included in the QCEW data.*
 - *We're comparing 2009 AWI with that of 2010 InfoGroup.*
 - *State, local government workers such as state colleges, universities, elementary and secondary schools were excluded from QCEW data.*
 - *Self-employed nonagricultural workers, unpaid family workers, insurance agents paid solely by commission and employees of religious organizations were excluded from QCEW data.*
- **For more up to date information about AWI please see the following link:**

<http://www.labormarketinfo.com/Library/QCEW.htm>



2009 Transportation Statistics Office Traffic Data

- **TranStat Office provides Traffic data on an annual bases**
 - Data consists of Count, Classification, Speed and Weights
 - There are about 300 continuous counters around the State owned roadways
 - There are about 7000 Portable/Seasonal counters around the State owned roadways
 - Data is available on DVD as well as online.
 - To receive a DVD visit the following link and request for one.
<http://www.dot.state.fl.us/planning/statistics/trafficdata/>
 - To get on-line Traffic information and reports visit:
<http://www2.dot.state.fl.us/FloridaTrafficOnline/viewer.html>

