



North Carolina's Global Engagement Snapshot 2017 - Codebook

Introduction: This codebook documents indicators included in North Carolina's Global Engagement Snapshot data dashboard released on October 11, 2016 and updated on September 1, 2017. Information presented includes: Strategic Area of Focus; Indicator Name; Description; Variables; Year; Source(s); Data Release Schedule; Modifications; and Notes when applicable. Information on recoding of data for "city to county" and "university to county" is also reported.

Update: September 1, 2017

North Carolina's Global Engagement Snapshot 2016 Data Dashboard:

www.goglobalnc.org/snapshot

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For additional references and background information see the [North Carolina Blueprint for Global Engagement 2015](#) publication.

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1 LEADERSHIP

Develop leadership across all sectors and at all levels that is informed and actively supports global engagement

1.1 Number of leaders involved with the NC Blueprint for Global Engagement

Description: Individuals and leaders directly involved with the development and/or release of the NC Blueprint for Global Engagement (e.g., meeting participants, interviewees)

Variables: Meeting, # Attendees, Definition, Notes

Year: 2015

Source: Go Global NC. (2015). *Number of leaders involved with the blueprint* [Data file]. Retrieved June 1, 2016.

Year: 2017

Source: Go Global NC. (2017). *Number of individuals endorsing/supporting the blueprint* [Data file]. Retrieved July 27, 2017.

1.2 Number of endorsers/supporters of the NC Blueprint for Global Engagement

Description: Endorsers and supporters of the NC Blueprint for Global Engagement include Coalition members, planning team members, one-on-one interviewees, and Nov 17, 2015 Summit participants

Variables: Org, # of Individuals, Definition

Year: 2015

Source: Go Global NC. (2015). *Number of individuals endorsing/supporting the blueprint* [Data file]. Retrieved June 1, 2016.

Description: Endorsers and supporters of the NC Blueprint for Global Engagement include Coalition members, planning team members, one-on-one interviewees, and Summit participants

Year: 2017

Source: Go Global NC. (2017). *Number of individuals endorsing/supporting the blueprint* [Data file]. Retrieved July 27, 2017.

1.3 Number of Coalition for Global Competitiveness members

Description: Number of members participating on the Coalition for Global Competitiveness

Year: 2015; 2016

Source: Go Global NC. (2017). *Number of Coalition for Global Competitiveness members* [Data file]. Retrieved July 27, 2017.

2 GLOBAL BRAND IDENTITY

Be known around the world as an attractive place to invest, work, study, visit, partner, and live

2.1 Number of views on GlobalNCPlan.org

Description: Number of unique views on GoGlobalNCPlan.Org from November 9, 2015 to January 4, 2016.

Variables: Date, Number (Views, Visitors)

Year: November 2015 – January 2016, reported under 2015

Source: Go Global NC. (n.d.). *Blueprint website visits November 2015 - January 2016* [Data file]. Retrieved June 1, 2016.

Notes: Reported under Year 2015. Value reported is number of visitors, as opposed to number of views.

Description: Number of unique views on GoGlobalNCPlan.Org (Snapshot and Blueprint) from October 2016 to June 2017

Year: October 2016 – June 2017

Source: Go Global NC. (n.d.). *Blueprint and Snapshot website visits October 2016 to June 2017* [Data file]. Retrieved July 27, 2017.

Notes: Reported under 2017. Value reported is number of visitors, as opposed to number of views.

2.2 Number of media articles viewed and shared via YouTube, Facebook and Twitter

Description: Number of global engagement media articles viewed, shared, and liked on YouTube, Facebook, and Twitter from December 16, 2015 to February 1, 2016.

Variables: YouTube, Facebook, Twitter

Year: As of February 2016, reported under 2015

Source: Go Global NC. (n.d.). [Number of Facebook, Twitter, YouTube views and shares as of February 2016]. Retrieved June 1, 2016.

Notes: Reported under Year 2015, value is sum of YouTube (Views and Shares), Twitter (Impressions and Engagements) and Facebook (Reached, Likes, Shares, Comments).

“Engagements: Total number of times a user interacted with a Tweet. Clicks anywhere on the Tweet, including Retweets, replies, follows, likes, links, cards, hashtags, embedded media, username, profile photo, or Tweet expansion. Impressions: Times a user is served a Tweet in timeline or search results” (Twitter)

Description: Number of global engagement media articles viewed, shared, and liked on YouTube, Facebook, and Twitter from July 1 2016 to June 2017

Year: October 2016 – June 2017

Source: Go Global NC. (n.d.). [Number of Facebook, Twitter, LinkedIn impressions, reach, and engagements as of July 2017]. Retrieved July 27, 2017.

3 GLOBAL INFRASTRUCTURE AND LOGISTICS

Develop and maintain infrastructure and logistics capabilities to support global opportunities

3.1 Households with broadband Internet access (%)

Description: Percent of households with internet access (excluding dial-up access)

Variables: Type of Broadband Access, Location

Modifications: Percentage calculated by dividing “Households with an internet subscription” (excluding households with dial-up access) plus “Households with Internet access without a subscription” by “Total Households”

Year: 2014

Data Release Schedule: Annually

Source: United States Census Bureau, 2014 American Community Survey 1-Year Estimates. (n.d.). *B28002 Presence and types of Internet subscriptions in household* [Data file]. Retrieved June 1, 2016 from, http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_1YR/B28002/0400000US37|0400000US37.05000

Year: 2015

Source: United States Census Bureau, 2015 American Community Survey 1-Year Estimates. (n.d.). *B28002 Presence and types of Internet subscriptions in household* [Data file]. Retrieved July 10, 2017 from, https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_1YR/B28002/0400000US37|0400000US37.05000

3.2a K-12 school median total broadband usage (MBPS)

Variables: County, Median Total Usage (MBPS), Median Usage Per Student (KBPS), Median Usage Per Student Peak Day (KBPS)

Modifications: Median values for the calendar year were calculated from monthly averages

Year: 2015 Median

Data Release Schedule: Monthly

Source: Microelectronics Center of North Carolina (MCNC), North Carolina Research and Education Network. (2015). *NCREN utilization map K-12* [Data file]. Retrieved June 1, 2016, from https://www.mcnc.org/ncren/portal/reporting/ncren_utilization_map

Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2016 Median values for the calendar year were calculated from monthly averages

Modifications: Median values for the calendar year were calculated from monthly Total Utilization averages for each county.

Source: Jean Davis, North Carolina Research and Education Network. Personal communication, 2017.

3.2b K-12 school median broadband usage per student (KBPS)

Variables: County, Median Total Usage (MBPS), Median Usage Per Student (KBPS), Median Usage Per Student Peak Day (KBPS)

Modifications: Median values calculated from monthly averages

Year: 2015 Median

Data Release Schedule: Monthly

Source: Microelectronics Center of North Carolina (MCNC), North Carolina Research and Education Network. (2015). *NCREN utilization map K-12* [Data file]. Retrieved June 1, 2016, from https://www.mcnc.org/ncren/portal/reporting/ncren_utilization_map

Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2016 Median

Modifications: Weighted averages were calculated for each month for each county; the median of these values is reported for the calendar year.

Source: Jean Davis, North Carolina Research and Education Network. Personal communication, 2017.

3.2c K-12 school median broadband usage per student peak day (KBPS)

Variables: County, Median Total Usage (MBPS), Median Usage Per Student (KBPS), Median Usage Per Student Peak Day (KBPS)

Modifications: Median values calculated from monthly averages

Year: 2015 Median

Data Release Schedule: Monthly

Source: Microelectronics Center of North Carolina (MCNC), North Carolina Research and Education Network. (2015). *NCREN utilization map K-12* [Data file]. Retrieved June 1, 2016, from https://www.mcnc.org/ncren/portal/reporting/ncren_utilization_map

Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2016 Median

Modifications: Weighted averages were calculated for each month for each county; the median of these values is reported for the calendar year.

Source: Jean Davis, North Carolina Research and Education Network. Personal communication, 2017.

3.3a Value amount of NC exports by county of port

Description: Exports include transport via vessel and air

Variables: Port Code & Description, County, Annual Total Value (In Millions of U.S. Dollars), Vessel Data, Air Data

Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"

Year: 2015

Data Release Schedule: Monthly

Source: United States Census Bureau. (2015, December). *Exhibit 1a - U.S. exports - domestic and foreign merchandise: U.S. port of export and method of transportation* [Data file]. Retrieved June 1, 2016, from <http://www.census.gov/foreign-trade/Press-Release/2015pr/12/ft920/exh1a.html>

Notes: "Exports are valued at the free alongside ship (f.a.s) value of merchandise at the U.S. port of export, based on the transaction price including inland freight, insurance and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation." (<http://www.census.gov/foreign-trade/reference/guides/tradestatsinfo.html>)

Year: 2016

Source: United States Census Bureau. (2016, December). *Exhibit 1a - U.S. exports - domestic and foreign merchandise: U.S. port of export and method of transportation* [Data file]. Retrieved July 20, 2017, from <https://www.census.gov/foreign-trade/Press-Release/2016pr/12/ft920/ft920.pdf>

3.3b Value amount of NC imports by county of port

Unique Identifier: 34b

Description: Imports include transport via vessel and air

Variables: Port Code & Description, County, Annual Total Value (In Millions of U.S. Dollars), Vessel Data, Air Data, C.I.F Value

Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"

Year: 2015

Data Release Schedule: Monthly

Source: United States Census Bureau. (2015, December). *Exhibit 4a - U.S. general imports - U.S. port of unloading and method of transportation* [Data file]. Retrieved June 1, 2016, from <http://www.census.gov/foreign-trade/Press-Release/2015pr/12/ft920/exh4a.html>

Notes: "For imports, the value reported is the U.S. Customs and Border Protection appraised value of merchandise; generally, the price paid for merchandise for export to the United States. Import duties, freight, insurance, and other charges incurred in bringing merchandise to the United States are excluded." (<http://www.census.gov/foreign-trade/reference/guides/tradestatsinfo.html>)

Year: 2016

Source: United States Census Bureau. (2016, December). *Exhibit 4a - U.S. general imports - U.S. port of unloading and method of transportation* [Data file]. Retrieved July 20, 2017, from <https://www.census.gov/foreign-trade/Press-Release/2016pr/12/ft920/ft920.pdf>

3.4 Number of non-stop international destinations from NC airports

Variables: County, FIPS, Airport Name, Total, Destination, Destination Country, Notes

Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"

Year: Current as of September 1, 2017

Sources: Asheville Regional Airport. (n.d.). *Airlines*. Retrieved June 1, 2016, from <http://flyavl.com/flights-and-airlines/airlines/>

City of Fayetteville, North Carolina. (n.d.). *Flight information*. Retrieved June 1, 2016, from <http://fayettevillenc.gov/government/city-departments/fayetteville-regional-airport/flight-information>

Coastal Carolina Regional Airport. (n.d.). *Arrivals and Departures*. Retrieved June 1, 2016, available at <http://www.newbernairport.com/flights/>

Ellis Airport, Jacksonville North Carolina. (n.d.). *OAJ-Ellis airport flight status of departures from Jacksonville, NC*. Retrieved June 1, 2016, from <http://www.flyoj.com/departures>

FlightView. (n.d.). *Pitt Greenville*. Retrieved from June 1, 2016, from <http://tracker.flightview.com/customerssetup/greenville/fidstern/720x480/>

Official City of Charlotte and Mecklenburg County Government. (2015, October). *Cities served report*. Retrieved June 1, 2016, from <http://charmeck.org/city/charlotte/Airport/AirlineandFlightInformation/Documents/CitiesServedReportOctober2015.pdf>

Piedmont Triad International Airport. (n.d.). *International one-stop destinations*. Retrieved June 1, 2016, from <http://flyfrompti.com/wp-content/uploads/2010/02/Intl-one-stop-cities.pdf>

RDU Airport Authority. (n.d.). *Airline destinations*. Retrieved June 1, 2016, from <https://www.rdu.com/airline-information/airline-destinations/>

Wilmington International Airport. (n.d.). *Non-stop destinations*. Retrieved June 1, 2016, from <http://www.flyilm.com/flights-airlines/non-stop-destinations/>

3.5a Number of international passengers departing from NC airports

Variables: Airport, Number of International Passengers

Years: 2002 -2015

Data Release Schedule: Annually (broken down by month)

Source: United States Department of Transportation, Bureau of Transportation Statistics. (n.d.). *Passengers all carriers* [Data file]. Retrieved June 1, 2016, available at <http://www.transtats.bts.gov/DataElements.aspx?Data=3>

Year: 2016

Source: United States Department of Transportation, Bureau of Transportation Statistics. (n.d.). *Passengers all carriers* [Data file]. Retrieved July 20, 2017, available at <http://www.transtats.bts.gov/DataElements.aspx?Data=3>

3.5b Number of international passengers arriving to NC airports

Variables: Airport, Number of International Passengers

Years: 2002 -2015

Data Release Schedule: Annually (broken down by month)

Source: United States Department of Transportation, Bureau of Transportation Statistics. (n.d.). *Passengers all carriers* [Data file]. Retrieved June 1, 2016, available at <http://www.transtats.bts.gov/DataElements.aspx?Data=3>

Year: 2016

Source: United States Department of Transportation, Bureau of Transportation Statistics. (n.d.). *Passengers all carriers* [Data file]. Retrieved July 20, 2017, available at <http://www.transtats.bts.gov/DataElements.aspx?Data=3>

4 GLOBAL ECONOMIC DEVELOPMENT

Optimize global economic development opportunities through concerted efforts both inside and outside NC

4.1 Foreign direct investment (FDI) in NC

Variables: Location, First Year Expenditures, Planned Total Expenditures

Years: 2014-2015

Data Release Schedule: Annually

Source: United States Department of Commerce, Bureau of Economic Analysis. (n.d.). *Data on new foreign direct investment in the United States* [Data file]. Retrieved April 27, 2016, available at

<http://www.bea.gov/iTable/iTable.cfm?reqid=2&step=1&isuri=1#reqid=2&step=7&isuri=1&202=1&203=62&204=26&205=1&200=2&201=3>

Notes: To get to specific table: Investment Expenditures > U.S. State by Type of Investment > Year > All Types of Investment > North Carolina. “The BEA’s numbers come from mandatory surveys they do with corporations where a foreign entity/individual owns 10% or more of the corporation’s voting securities. You can find more information on their methodology [here](#). Foreign direct investment can come – for big projects – over multiple years. The first year number is reporting actual spending for that year. BEA separates that from planned spending (spending to be done in ALL years). This way of reporting FDI is a different than what other sources use. Many sources (including EDPNC and FDI Markets) count all planned FDI for a project at once. So if a project had FDI for \$100M, but \$50M of that was coming in 2014, BEA would report \$50M for that year under first year expenditures. But other sources would just count all the FDI planned (\$100M at the time the announcement was made – and what BEA calls planned total expenditures).” – Jamie McCall

Years: 2015 – 2016, reported under 2016

Source: United States Department of Commerce, Bureau of Economic Analysis. (n.d.). *Data on new foreign direct investment in the United States* [Data file]. Retrieved April 27, 2017, available at

<http://www.bea.gov/iTable/iTable.cfm?reqid=2&step=1&isuri=1#reqid=2&step=7&isuri=1&202=1&203=62&204=26&205=1&200=2&201=3>

4.1a Top countries investing in NC

Description: Ranked by total capital investment 2007-2016

Variables: Location, Value of Investment

Years: 2007-2016, reported under 2017

Source: The Economic Development Partnership of North Carolina. (2017, June). *An Overview of Foreign Direct Investment in North Carolina, Top Countries Investing in North Carolina*. Retrieved July 24, 2017, from <https://edpnc.com/wp-content/uploads/2016/03/FDI-report.pdf>

4.1b Jobs added by top investing countries in NC

Description: Ranked by total capital investment 2007-2016

Variables: Location, Number of Jobs Added

Years: 2007-2016, reported under 2016

Source: The Economic Development Partnership of North Carolina. (2017, June). *An Overview of Foreign Direct Investment in North Carolina, Top Countries Investing in North Carolina*. Retrieved July 24, 2017, from <https://edpnc.com/wp-content/uploads/2016/03/FDI-report.pdf>

4.1c Jobs added by top investing countries in NC

Description: Ranked by total number of jobs committed through foreign direct investment projects 2007-2016

Variables: Industry, Number of Jobs Added

Years: 2007-2016, reported under 2016

Source: The Economic Development Partnership of North Carolina. (2017, June). *An Overview of Foreign Direct Investment in North Carolina, Job Creation via FDI in North Carolina*. Retrieved July 24, 2017, from <https://edpnc.com/wp-content/uploads/2016/03/FDI-report.pdf>

4.1d Top foreign direct investment (FDI) industries in NC

Description: Ranked by total capital investment 2007-2016

Variables: Industry, Value of Investment

Years: 2007-2016, reported under 2016

Source: The Economic Development Partnership of North Carolina. (2017, June). *An Overview of Foreign Direct Investment in North Carolina, Top FDI Industries in North Carolina*. Retrieved July 24, 2017, from <https://edpnc.com/wp-content/uploads/2016/03/FDI-report.pdf>

4.2 Foreign direct investment (FDI) employment in NC

Variables: Employment of Majority-Owned U.S. Affiliates, State by Country of UBO; Employment of Majority-Owned U.S. Affiliates, State by Industry of Affiliate

Years: 2007-2015

Data Release Schedule: Annually

Source: United States Department of Commerce, Bureau of Economic Analysis. (n.d.). *Employment by state and country 2007-2014* [Data file]. Retrieved August 23, 2017, from <https://www.bea.gov/international/di1fdiop.htm>

Notes: Document: "Employment by State and Country 2007-2015" Ultimate Beneficial Owner (UBO) BEA Definition of FDI - Foreign direct investment in the United States (inward direct investment) is ownership by a foreign investor of at least 10 percent of a U.S. business.

4.2a Foreign direct investment (FDI) employment in the United States

Variables: Employment of Majority-Owned U.S. Affiliates, State by Country of UBO, POPESTIMATE2010-POPESTIMATE2015

Modifications: FDI jobs per million inhabitants was calculated to normalize values across states. Yearly population estimates were sourced from United States Census Bureau.

Year: 2015

Data Release Schedule: Annually

Sources: United States Department of Commerce, Bureau of Economic Analysis. (n.d.). *Employment by state and country 2007-2015* [Data file]. Retrieved August 23, 2017, from <http://www.bea.gov/international/di1fdiop.htm>

United States Census Bureau. (January 5, 2017). *National, State, and Puerto Rico Commonwealth Totals Datasets: Population, population change, and estimated components of population change: April 1, 2010 to July 1, 2016* [Data file]. Retrieved February 7, 2017 from <https://www.census.gov/data/datasets/2016/demo/popest/nation-total.html>

Years: 2007-2014

Data Release Schedule: Annually

Sources: United States Department of Commerce, Bureau of Economic Analysis. (n.d.). *Employment by state and country 2007-2014* [Data file]. Retrieved June 1, 2016, from <http://www.bea.gov/international/di1fdiop.htm>

United States Census Bureau. (January 5, 2017). *National, State, and Puerto Rico Commonwealth Totals Datasets: Population, population change, and estimated components of population change: April 1, 2010 to July 1, 2016* [Data file]. Retrieved February 7, 2017 from <https://www.census.gov/data/datasets/2016/demo/popest/nation-total.html>

Notes: Document: "Employment by State and Country 2007-2014" Ultimate Beneficial Owner (UBO) BEA Definition of FDI - Foreign direct investment in the United States (inward direct investment) is ownership by a foreign investor of at least 10 percent of a U.S. business.

4.3 NC's rank among US states for employment by foreign investors

Variables: Year, Location, Industry, Rank

Modifications: Data sorted by "All Industries: Total Employment" to determine rankings

Years: 2007-2015

Data Release Schedule: Annually

Source: United States Department of Commerce, Bureau of Economic Analysis. (n.d.). *Employment by state and country 2007-2014* [Data file]. Retrieved August 23, 2017, from <https://www.bea.gov/international/di1fdiop.htm>

Notes: Document: "Employment by State and Industry 2007-2015"

Definition of FDI - Foreign direct investment in the United States (inward direct investment) is ownership by a foreign investor of at least 10 percent of a U.S. business.

4.4 US jobs supported by goods exports from NC

Year: 2014

Source: United States Department of Commerce, International Trade Administration. (n.d.). *North Carolina exports, jobs, and foreign investment, exports support jobs for American workers* [Data file]. Retrieved June 1, 2016, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

Year: 2015

Source: United States Department of Commerce, International Trade Administration. (2017, February). *North Carolina exports, jobs, and foreign investment, exports support jobs for American workers* [Data file]. Retrieved July 22, 2017, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

4.5 Number of companies exporting internationally from NC

Year: 2013

Source: United States Department of Commerce, International Trade Administration. (n.d.). *North Carolina exports, jobs, and foreign investment, exports sustain North Carolina businesses* [Data file]. Retrieved June 1, 2016, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

Year: 2014

Source: United States Department of Commerce, International Trade Administration. (2017, February). *North Carolina exports, jobs, and foreign investment, exports sustain North Carolina businesses* [Data file]. Retrieved July 22, 2017, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

4.6 Value of total exports of merchandise from NC

Year: 2015

Source: United States Department of Commerce, International Trade Administration. (n.d.). *North Carolina exports, jobs, and foreign investment, North Carolina depends on world markets* [Data file]. Retrieved June 1, 2016, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

Year: 2016

Source: United States Department of Commerce, International Trade Administration. (n.d.). *North Carolina exports, jobs, and foreign investment, North Carolina depends on world markets* [Data file]. Retrieved June 1, 2017, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

4.7 NC's top 5 export industries

Variables: Industry, Value of Exports

Year: 2014

Source: United States Department of Commerce, International Trade Administration. (2016, January). *North Carolina exports, jobs, and foreign investment, North Carolina's top 5 export industries* [Data file]. Retrieved June 1, 2016, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

Year: 2015

Source: United States Department of Commerce, International Trade Administration. (2017, February). *North Carolina exports, jobs, and foreign investment, North Carolina's top 5 export industries* [Data file]. Retrieved July 22, 2017, from <http://www.trade.gov/mas/ian/statereports/states/nc.pdf>

4.8 Value amount spent in NC tourism

Year: 2015

Source: North Carolina Department of Commerce. (2016, May 2). *North Carolina attracts record visitor spending; highlights tourism week*. Retrieved June 1, 2016, from https://www.nccommerce.com/news/press-releases?udt_4733_param_detail=192523

Year: 2016

Source: U.S. Travel Association. (2017). *Economic Impact of Domestic Travel on North Carolina - 2015/2016*. Retrieved August 4, 2017, from <https://partners.visitnc.com/contents/sdownload/65237/file/2016-Economic-Impact-of-Domestic-Travel-on-North-Carolina.pdf>

4.9 Number of supported jobs from tourism

Year: 2015

Source: North Carolina Department of Commerce. (2016, May 2). *North Carolina attracts record visitor spending; highlights tourism week*. Retrieved June 1, 2016, from https://www.nccommerce.com/news/press-releases?udt_4733_param_detail=192523

Year: 2016

Source: U.S. Travel Association. (2017). *Economic Impact of Domestic Travel on North Carolina - 2015/2016*. Retrieved August 4, 2017, from <https://partners.visitnc.com/contents/sdownload/65237/file/2016-Economic-Impact-of-Domestic-Travel-on-North-Carolina.pdf>

4.10 Number of supported businesses from tourism

Year: 2015

Source: North Carolina Department of Commerce. (2016, May 2). *North Carolina attracts record visitor spending; highlights tourism week*. Retrieved June 1, 2016, from https://www.nccommerce.com/news/press-releases?udt_4733_param_detail=192523

4.11 Number of global employers who have operations in NC

Year: 2013

Source: Organization for International Investment. (n.d.). *Foreign direct investment supports the jobs North Carolina needs*. Retrieved June 1, 2016, from http://www.ofii.org/sites/default/files/North%20Carolina_2.pdf

Year: 2014

Source: Organization for International Investment. (n.d.). *Foreign direct investment supports the jobs North Carolina needs*. Retrieved July 22, 2017, from http://www.ofii.org/sites/default/files/North%20Carolina_3.pdf

4.12 Number of companies headquartered in NC with a foreign parent

Description: Number of companies with headquarters (national or regional) in NC with a foreign parent

Variables: Company Name, Address, City, Corporate Parent Name, Country Name

Year: 2015

Source: Dun and Bradstreet, FDI Markets. Personal communication, 2016.

Notes: We used D&B to start. However, it was supplemented with a FDI Markets list of corporate HQ announcements in the past two years. Duplicates were removed -- most have corporate holding companies at the same location as their NC HQ. There may be companies included that have moved since the D&B pull.

Year: 2016

Source: Dun and Bradstreet, FDI Markets. Personal communication, 2017.

4.13 Value amount of agricultural exports from NC

Variables: Rank, Value

Years: 2004-2016

Data Release Schedule: Annually

Source: United States Department of Agriculture, Foreign Agricultural Service. (n.d.). *Total agricultural exports* [Data file]. Retrieved August 4, 2016, available at <https://apps.fas.usda.gov/gats/ExpressQuery1.aspx>

Notes: Filtered by "North Carolina," "Agricultural Total," "BICO-HS6," "2004-2016"
Value of total agricultural exports from NC

Year: 2016

Source: United States Department of Agriculture, Foreign Agricultural Service. (n.d.). *Total agricultural exports* [Data file]. Retrieved July 22, 2017, available at <https://apps.fas.usda.gov/gats/AdvancedQuery.aspx>

4.14 Number of private industry firms

Variables: Year, Annual Establishments, Annual Average Employment, Annual Average Weekly Wage, Annual Average Employment Location Quotient, Annual Average Weekly Wage Location Quotient, Annual Average Employment Change Over the Year, Annual Average Employment % Change Over the Year, Annual Average Weekly Wage Change Over the Year, Annual Average Weekly Wage % Change Over the Year

Years: 2012-2016

Data Release Schedule: Annually

Source: United States Department of Labor, Bureau of Labor Statistics. (n.d.). *Quarterly census of employment and wages private, total, all industries, North Carolina annual averages 2012 - 2016, all establishment sizes* [Data file]. Retrieved August 23, 2017, from

https://data.bls.gov/cew/apps/table_maker/v4/table_maker.htm#type=0&year=2016&qtr=4&own=5&ind=10&supp=0

Notes: "Private sector firms include incorporated for profit firms and nonprofit firms, but do not include unincorporated private sector firms or public sector (government) establishments. The self-employed and firms with no employees are also not included"

4.15 Number of certified international documents authenticated by the NC Department of the Secretary of State

Description: Documents are authenticated by issuing apostilles, authentications and certificates for a variety of NC documents, including: business documents such as articles of incorporation, corporate bylaws, certificates of merger, powers of attorney, patent applications, and trademarks. NC Department of the Secretary of State issued other international authentications such as diplomas, school transcripts, deeds, assignments of interest, birth certificates, marriage certificates and many others.

Year: July 2014-June 2015, reported under 2014

Source: Elaine F. Marshall, North Carolina Secretary of State. Personal communication, July 1, 2014 - June 30, 2015.

Notes: "There are basically two types of certifications: Apostille - An "apostille" is a form of authentication issued to documents for use in countries that participate in the 1961 Hague Convention. A list of countries that accept apostilles is provided by the Hague Conference on International Law and is available here (<https://www.hcch.net/en/instruments/conventions/authorities1/?cid=41>). Authentication or Certification - If the country of intended use does not participate in the Hague Convention, documents being sent to that country can be "authenticated" or "certified"."

Year: July 1, 2015 - June 30, 2016, reported under 2015

Source: Elaine F. Marshall, North Carolina Secretary of State. Personal communication, July 27, 2017.

Year: July 1 2016 – June 30 2017, reported under 2016

Source: Elaine F. Marshall, North Carolina Secretary of State. Personal communication, July 27, 2017.

4.16 Top 25 NC Export Countries Based on 2015 Dollar Value

Description: Based on 2015 dollar value

Variables: Rank, Country, Country_Name Trimmed, 2012 Value, 2013 Value, 2014 Value, 2015 Value, 2012 % Share, 2013 % Share, 2014 % Share, 2015 % Share, % Change 2014-2015

Years: 2012-2015

Data Release Schedule: Annually

Source: United States Census Bureau. (n.d.). *Total U.S. exports (origin of movement) from North Carolina top 25 countries based on 2015 dollar value* [Data file]. Retrieved June 1, 2016, available at

<https://www.census.gov/foreign-trade/statistics/state/data/nc.html>

Year: 2016

Source: United States Census Bureau. (n.d.). *Total U.S. exports (origin of movement) from North Carolina top 25 countries based on 2016 dollar value* [Data file]. Retrieved July 23, 2017, available at

<https://www.census.gov/foreign-trade/statistics/state/data/nc.html>

5 CROSS CULTURAL COMPETENCE

Ensure that NC citizens are educated and prepared to succeed and thrive in a global community and marketplace

5.1 Number of international students at higher education institutions

Description: Undergraduate and graduate students

Variables: Unit ID, Institution, State, Carnegie 2010 Type, Total International, County, FIPS

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Year: 2014 - 2015, reported under 2015

Source: Institute of International Education, Open Doors Data. (n.d.). *International students: all institutions* [Data file]. Retrieved June 1, 2016, from <http://www.iie.org/Research-and-Publications/Open-Doors/Data/International-Students/All-Institutions/2014-15>

Year: 2015 - 2016, reported under 2016

Source: Institute of International Education, Open Doors Data. (n.d.). *International students: all institutions* [Data file]. Retrieved June 1, 2017, from <http://www.iie.org/Research-and-Publications/Open-Doors/Data/International-Students/All-Institutions/2015-16>

5.2 Number of NC study abroad students from higher education

Description: Number of students at institutions with 10 or more US study abroad students

Variables: Unit ID, Institution, State, Institution Type, Total Study Abroad, County, FIPS

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Year: 2013 - 2014, reported under 2014

Source: Institute of International Education, Open Doors Data. (n.d.). *U.S. study abroad: all institutions* [Data file]. Retrieved June 1, 2016, from <http://www.iie.org/Research-and-Publications/Open-Doors/Data/US-Study-Abroad/All-Institutions/2013-14>

Year: 2014 - 2015, reported under 2015

Source: Institute of International Education, Open Doors Data. (n.d.). *U.S. study abroad: all institutions* [Data file]. Retrieved June 1, 2017, from <http://www.iie.org/Research-and-Publications/Open-Doors/Data/US-Study-Abroad/All-Institutions/2014-15>

5.3 Degrees awarded to international students at UNC system colleges and community colleges

Variables: County, Institution, Total, Academic Level

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Year: 2013

Source: University of North Carolina General Administration. (2015). *Fall 2013 International student data* [Data file]. Retrieved June 1, 2016.

Year: 2015-2016, reported under 2016

Source: Institute of International Education, Open Doors Data. (n.d.). *International students at UNC system colleges* [Data file]. Personal communication. Retrieved August 18, 2017.

5.4 Number of K–12 students enrolled in world languages

Description: Number of K–12 students enrolled in foreign language(s) at public schools

Variables: Year, CourseCode, Course Description, Elementary No. of Classes, Elementary No. of Students, Middle No. of Classes, Middle No. of Students, High No. of Classes, High No. of Students

Modifications:

Year: Academic year 2012-2013

Source: North Carolina Department of Public Instruction. (n.d). *Table 33 - Course membership summary* [Data file]. Retrieved June 1, 2016, from <http://apps.schools.nc.gov/pls/apex/f?p=1:51:0:::>

Notes: Selected Course Code: "0000-1999 Languages", then manually filtered to only include foreign language courses. ESL courses were excluded.

5.5 Number of students enrolled in advanced placement foreign languages

Variables: Year, Course Code, Course Description, Academic Level, Sex, Ethnicity

Year: 2002-2013

Source: North Carolina Department of Public Instruction. (n.d). *Table 33.2 - (at state level) Enrollment by academic level, course, ethnicity, gender* [Data file]. Retrieved June 1, 2016, available at <http://apps.schools.nc.gov/pls/apex/f?p=1:53:0::NO::>

Notes: Used filters "Languages" and "Advanced Placement", then excluded AP English courses (course codes 1023, 1024, 1033-1036)

5.6 Number of K-12 students enrolled in ESL

Year: Academic Year 2015-2016

Source: Terri Manning and Kristen Corbell, NC Community College System. Personal communication, May 17, 2016.

Year: Academic Year 2016-2017, reported under 2017

Source: Ashley Sieman, NC Community College System. Personal communication, August 24, 2017.

5.7 Number of community college students enrolled in ESL

Variables: Year, CourseCode, Course Description, Elementary No. of Classes, Elementary No. of Students, Middle No. of Classes, Middle No. of Students, High No. of Classes, High No. of Students

Year: 2004-2013

Source: North Carolina Department of Public Instruction. (n.d). *Table 33 - Course membership summary* [Data file]. Retrieved June 1, 2016, from <http://apps.schools.nc.gov/pls/apex/f?p=1:51:0:::>

Notes: Search by Course Description "English As A Second Language"

5.8 Number of students enrolled in UNC's global certificate initiative

Description: A certificate program that recognizes student participation in courses, co-curricular activities and/or study abroad experiences that support a campus-identified set of competencies relevant to global learning.

Variables: Campus, County, FIPS, Current # of Certificate Graduates/Year, Target Future # of Certificate Graduates/Year, How would it be recognized?, Marketing Strategies

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Year: 2015

Source: University of North Carolina General Administration, Board of Governors Global Certificate Initiative. (2016, May 26). *UNC campus global certificate status summary*. Retrieved June 22, 2016, available at http://www.northcarolina.edu/apps/bog/index.php?mode=browse_premeeting&mid=5632&code=bog

5.9 Number of schools and districts globally badged/certified

Description: NC State Board of Education recognition for NC Public Schools. Designated November 2015
Year: 2015-2016

Source: Personal Communication

Notes: Designated November 2015 (criteria adopted by State Board in January 2015) next designation to occur November 2016. Additional information: <http://www.ncpublicschools.org/global/actions/item4-2>

Year: 2016 – 2017, reported under 2017

Source: NC Department of Public Instruction. Retrieved July 27, 2017, from <http://gled.ncdpi.wikispaces.net/School+and+District+Global-Ready+Designation>

5.10 Number of sister city relationships

Variables: Number of sister city relationships, Sister Cities

Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"

Year: Current as of 2017

Source: Sister Cities International. (n.d.). Retrieved June 1, 2016, from <http://www.sister-cities.org/interactive-map-location?city=&country=All&province=North+Carolina>

Notes: Geographic coordinates (WGS84) for sister cities were located through Wikipedia's Geohack service. Tools.wmflabs.org. Accessed 23-27 September 2016.

5.11 Number and country of origin for UNC international students by academic level & Number of UNC international students by county and academic level

Variables: County, FIPS, Number, Country

Modifications: University to County recoded

Year: 2015

Source: University of North Carolina General Administration. (2015). [Number and country of origin for UNC international students]. Retrieved June 1, 2016.

Notes: "Unknown" and "Other Places" categories not included on the Global Level only, so values reported may not sum to totals reported on County and State Level. These "Unknown" and "Other Places" categories were excluded on global map within dashboard.

Year: 2015-2016, reported under 2016

Source: Institute of International Education, Open Doors Data. (n.d.). *International students at UNC system colleges* [Data file]. Julie Baer. Personal communication, August 28, 2017.

5.12 Number of UNC students who participate in study abroad or exchange programs

Variables: Institution, County, FIPS, Study Abroad Total Numbers, Study Abroad, Numbers by Gender and Ethnicity, While Abroad

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Year: Fall 2012- Summer 2013, reported under 2013

Source: University of North Carolina General Administration. (n.d.). *2012-2013 Study abroad total numbers*. Retrieved June 1, 2016.

Year: 2015-2016, reported under 2016

Source: Institute of International Education, Open Doors Data. (n.d.). *U.S. Study Abroad from UNC system colleges* [Data file]. Julie Baer. Personal communication, August 28, 2017.

5.13 Financial contribution of international students

Variables: County, Top Higher Education Institutions, Dollars, Supporting Jobs

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Year: 2014-2015 Academic Year, reported under 2015

Source: NAFSA: Association of International Educators. (n.d.). *North Carolina benefits from international students [Data file]*. Retrieved June 1, 2016, from

<https://istart.iu.edu/nafsa/reports/state.cfm?state=NC&year=2014>

Notes: Values reported slightly differ from source's summary reported (p.1) most likely attributed to rounding errors. "The economic contributions of international students are in addition to the immeasurable academic and cultural value these students bring to our campuses and local communities. For a more detailed analysis, access NAFSA's International Student Economic Value Tool [atnafsa.org/economic value](http://atnafsa.org/economic%20value)."

Year: 2015 – 2016 Academic Year, reported under 2016

Source: NAFSA: Association of International Educators. (n.d.). *North Carolina benefits from international students [Data file]*. Retrieved July 24, 2017, from

<https://istart.iu.edu/nafsa/reports/state.cfm?state=NC&year=2015>

5.14 Number of immersion language programs in public schools (K-12)

Description: Dual language/immersion programs help students become proficient in a target language, in addition to English. These students master subject content from other disciplines, using the target language or both languages.

Variables: County; FIPS; Education District; Name of District, Charter School, or Independent School; LEA Code; Contact Information

Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"

Year: 1990-2017, but data not available for 1993-1995, 1999-2000, and 2002. School year 1990-1991 reported as 1991.

Source: North Carolina Department of Public Instruction. (n.d.). *North Carolina dual language/immersion (DL/I) program directory [Data file]*. Retrieved June 1, 2016, from

<https://docs.google.com/spreadsheets/d/1IsK82ybITzOPZNoKDB3CVQBbtYDoBwBtOaqrsjTNOEU/edit#gid=0>

Note: Additional information available at: <http://ncdliprograms.ncdpi.wikispaces.net/>

Year: Current as of 2017

Source: North Carolina Department of Public Instruction. (n.d.). *North Carolina dual language/immersion (DL/I) program directory [Data file]*. Retrieved July 27, 2017, from

<https://docs.google.com/spreadsheets/d/1IsK82ybITzOPZNoKDB3CVQBbtYDoBwBtOaqrsjTNOEU/edit#gid=0>

6 COLLABORATION & RESEARCH

Encourage business, academic, public and private sector collaboration, and research with domestic & international partners

6.1 Total research and development spending patterns

Description: The National Science Foundation (NSF) tracks the R&D spending patterns of all the major performers in the overall U.S. R&D system: businesses, the intramural R&D activities of federal agencies, federally funded research and development centers (FFRDCs), universities and colleges, and other nonprofit organizations and reports on this number for each state and the nation.

Variables: Year, Characteristic, Location (Value, Rank)

Years: 2003-2012

Source: National Science Foundation. (n.d.). *Science and engineering state profiles* [Data file]. Retrieved June 1, 2016, from <http://www.nsf.gov/statistics/states/interactive/show.cfm?stateID=53,34&year=0>,"<http://www.nsf.gov/statistics/states/interactive/show.cfm?stateID=53,34&year=2014>

Year: 2013 – 2014

Source: National Science Foundation. (n.d.). *Science and engineering state profiles* [Data file]. Retrieved June 1, 2017, from <https://www.nsf.gov/statistics/states/interactive/show.cfm?stateID=53,34&year=2014>

6.2 Number of employed science, engineering, health labor doctorates

Description: Individuals who have college degrees in science & engineering (S&E) or related fields or who are working in S&E and S&E-related occupations.

Variables: Year, Characteristic, Location (Value, Rank)

Years: 2003, 2006, 2008, 2010, 2013

Data Release Schedule: Every 2-3 years

Source: National Science Foundation. (n.d.). *Science and engineering state profiles* [Data file]. Retrieved June 1, 2016, from

<http://www.nsf.gov/statistics/states/interactive/show.cfm?stateID=53,34&year=0>,"<http://www.nsf.gov/statistics/states/interactive/show.cfm?stateID=53,34&year=0>

6.3a Direct monetary awards to UNC campuses from foreign sponsors

Variables: County, FIPS, Campus, Award_No, Dollars_Feed_Date, Sponsor_Name, Category, Country_Code, Country_Name, Country_Name Trimmed, Award_Amount

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Years: FY 2014-2015, reported under 2015

Source: University of North Carolina General Administration. (2015). [Direct monetary awards to UNC campuses from foreign sponsors]. Retrieved June 1, 2016.

Notes: Country_Name values of "United Kingdom (No New Registrations)" and "United Kingdom" were assigned to "United Kingdom".

Years: 2015-2016, reported under 2016; 2016-2017, reported under 2017

Source: University of North Carolina General Administration. (2017). [Direct monetary awards to UNC campuses from foreign sponsors]. Retrieved July 27, 2017.

6.3b Subcontracts from UNC campuses to foreign collaborators

Variables: County, FIPS, Campus, Subcontract_No, Execution_Date, Sponsor_Name, Category, Country_Name, Country_Name Trimmed, Amount

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Years: FY 2014-2015, reported under 2015

Source: University of North Carolina General Administration. (2015). [Subcontracts from UNC campuses to foreign collaborators]. Retrieved June 1, 2016.

Years: 2015-2016, reported under 2016; 2016-2017, reported under 2017

Source: University of North Carolina General Administration. (2017). [Direct monetary awards to UNC campuses from foreign sponsors]. Retrieved July 27, 2017.

7 DEMOGRAPHICS

7.1a Place of birth for foreign born population

Variables: Place of Birth, United States, North Carolina, All North Carolina Counties

Modifications: Burma reported as Myanmar

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B05006 Place of birth for the foreign-born population in the United States* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B05006/0100000US|0400000US37|0400000US37.05000

Notes: "Other Categories" i.e. "Other Northern European" were excluded from Global Level only, as they cannot be matched to a single country. Therefore, values reported will not add up to "Totals" reported.

Years: 2011 – 2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B05006 Place of birth for the foreign-born population in the United States* [Data file]. Retrieved June 2, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B05006/0100000US|0400000US37|0400000US37.05000

7.1b Place of birth for foreign born population – percentage per county

Variables: Place of Birth, North Carolina, All North Carolina Counties

Modifications: Percentage was calculated by dividing value of each place of birth by total county population

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B05006 Place of birth for the foreign-born population in the United States* [Data file]. Retrieved June 2, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B05006/0100000US|0400000US37|0400000US37.05000

Notes: "Other Categories" i.e. "Other Northern European" were excluded from Global Level only, as they cannot be matched to a single country

7.2 Hispanic or Latino origin by country of origin

Variables: Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B03001 Hispanic or Latino origin by specific origin* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B03001/0100000US|0400000US37|0400000US37.05000

Notes: "Other Categories" i.e. "Other Central American" were excluded from Global Level only, as they cannot be matched to a single country. Therefore, values reported will not add up to "Totals" reported.

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B03001 Hispanic or Latino origin by specific origin* [Data file]. Retrieved June 1, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B03001/0100000US|0400000US37|0400000US37.05000

7.3 Number of residents born in NC

Description: Born in state of residence (NC)

Variables: Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B05002 Place of birth by nativity and citizenship status* [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B05002/0100000US|0400000US37|0400000US37.05000

Years: 2011-2015 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B05002 Place of birth by nativity and citizenship status* [Data file]. Retrieved June 1, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B05002/0100000US|0400000US37|0400000US37.05000

7.4 Ancestry - reported by country of ancestry

Variables: Country

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B04006 People reporting ancestry* [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_14_5YR_B04006&prodType=table

Notes: Some categories were excluded as they cannot be matched up to a single country (e.g. Alsatian) and therefore values reported will not add up to "Totals" reported.

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B04006 People reporting ancestry* [Data file]. Retrieved July 24, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B04006/0100000US|0400000US37|0400000US37.05000

7.5a Languages spoken at home - only English

Variables: Language, Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved July 1, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

7.5b Languages spoken at home - Spanish or Spanish Creole

Variables: Language, Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved July 1, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

7.5c Languages spoken at home - Other Indo-European languages

Variables: Language, Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved July 1, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

7.5d Languages spoken at home - Asian and Pacific Island languages

Variables: Language, Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved July 1, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

7.5e Languages spoken at home - other languages

Variables: Language, Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *S1601 Language spoken at home* [Data file]. Retrieved July 1, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S1601/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

7.6 Unemployment rate

Variables: Unemployment Rate

Year: January 2015 – December 2015

Data Release Schedule: Monthly

Source: United States Department of Labor, Bureau of Labor Statistics. (n.d.). *Local Area Unemployment Statistics Map annual average January 2015- December 2015* [Data file]. Retrieved September 28, 2016, from <http://data.bls.gov/map/MapToolServlet>

Year: 2016

Source: United States Department of Labor, Bureau of Labor Statistics. (n.d.). *Local Area Unemployment Statistics Map annual average January 2016- December 2016* [Data file]. Retrieved July 2017, from <http://data.bls.gov/map/MapToolServlet>

7.7 Median household income

Description: In the past 12 months, in 2014 Inflation-adjusted dollars

Variables: Location

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B19013 Median household income in the past 12 months (in 2014 inflation-adjusted dollars)* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B19013/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B19013 Median household income in the past 12 months (in 2015 inflation-adjusted dollars)* [Data file]. Retrieved July 21, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B19013/0400000US37.05000|1600000US5348550

7.8 Percent of individuals who moved to NC from abroad

Description: Percent of respective population

Variables: Location, Age, Sex, Race, Nativity, Marital Status, Educational Attainment, Income, Poverty Status, Housing Tenure

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *S0701 Geographic mobility by selected characteristics in the United States* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/S0701/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B19013 Median household income in the past 12 months (in 2015 inflation-adjusted dollars)* [Data file]. Retrieved July 21, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B19013/0400000US37.05000|1600000US5348550

7.9 Percent of high school graduation

Description: 4-year cohort graduation percentage

Variables: Year, LEA, County, FIPS, LEA Name, 4 Year Cohort Students, 4 Year Cohort Graduation Rates, 5 Year Cohort Students, 5 Year Cohort Graduation Rates, Grade 7-12 Duplicated Dropout Students, Grade 7-12 Duplicated Dropout Rates, Grade 9-12 Duplicated Dropout Students, Grade 9-12 Duplicated Dropout Rates

Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"

Year: 2011-2012 Academic Year, reported under 2012

Data Release Schedule: Annually

Source: North Carolina Department of Public Instruction. (n.d.). *Table 15 -Public school dropout and cohort graduation data* [Data file]. Retrieved June 1, 2016, from <http://apps.schools.nc.gov/pls/apex/f?p=1:19:0::NO::>

Year: 2013-2014 Academic Year, reported under 2014

Source: North Carolina Department of Public Instruction. (n.d.). *Table 15 -Public school dropout and cohort graduation data* [Data file]. Retrieved June 1, 2017, from <http://apps.schools.nc.gov/pls/apex/f?p=1:19:0::NO::>

7.10a Male students enrolled in K-12 public schools

Variables: Sex, Enrollment, Location

Modifications: FIPS codes added

Data Release Schedule: Annually

Years: 2010-2014 ACS 5-Year Estimates

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B14002/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over* [Data file]. Retrieved July 22, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B14002/0400000US37|0400000US37.05000

7.10b Female students enrolled in K-12 public schools

Variables: Sex, Enrollment, Location

Modifications: FIPS codes added

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over* [Data file]. Retrieved June 1, 2016, from

http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B14002/0100000US|0400000US37|0400000US37.05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over* [Data file]. Retrieved July 22, 2017, from

https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B14002/0400000US37|0400000US37.05000

7.10c Race and gender of students enrolled in NC public schools

Variables: Year, LEA, LEA Name, FIPS, County, Race

Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"

Year: 2015

Data Release Schedule: Annually

Source: North Carolina Department of Public Instruction. (n.d). *Table 10 - Pupils in membership by race and sex starting from year 2011* [Data file]. Retrieved June 1, 2016, from <http://apps.schools.nc.gov/pls/apex/f?p=1:216:0::NO::>

Year: 2016

Source: North Carolina Department of Public Instruction. (n.d). *Table 10 - Pupils in membership by race and sex starting from year 2011* [Data file]. Retrieved July 28, 2017, from <http://apps.schools.nc.gov/ords/f?p=1:15:0::NO::>

7.11 Educational attainment

Description: Population 25 years and over with the following educational attainments: High school graduate (includes equivalency); Some college/associate's degree; or Bachelor's degree or higher

Variables: Location, Sex, Educational Attainment, Age, Poverty Rate, Median Earnings

Years: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *S1501 Educational attainment* [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/S1501/0100000US|0400000US37|0400000US37.05000

Years: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *S1501 Educational attainment* [Data file]. Retrieved July 21, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/S1501/0100000US|0400000US37|0400000US37.05000

7.12 Number of passports issued to NC residents

Years: 2009-2015

Data Release Schedule: Annually

Source: United States Department of State, Bureau of Consular Affairs. (n.d.). *Passport issuance by state per fiscal year 2009 to 2015* [Data file]. Retrieved June 1, 2016, available at <https://travel.state.gov/content/passports/en/passports/statistics.html>

Year: 2016

Source: United States Department of State, Bureau of Consular Affairs. (n.d.). *Passport issuance by state per fiscal year 2009 to 2016* [Data file]. Retrieved July 23, 2017, available at <https://travel.state.gov/content/passports/en/passports/statistics.html>

7.13 Number of naturalized US citizens in NC

Variables: Place of Birth

Year: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B05002 Place of birth by nativity and citizenship status* [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_14_5YR_B05002&prodType=table

Year: 2011-2015 ACS 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B05002 Place of birth by nativity and citizenship status* [Data file]. Retrieved June 1, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B05002/0100000US|0400000US37|0400000US37_05000

7.14 Population

Variables: Population by county

Year: 2010-2014 ACS 5-Year Estimates

Data Release Schedule: Annually

Source: United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.). *B01003 Total population* [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B01003/0400000US37|0400000US37.05000

Year: 2011-2015 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B01003 Total population* [Data file]. Retrieved July 22, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B01003/0400000US37|0400000US37.05000

7.15 Percentage of residents born in NC

Variables: Location

Modifications: Percentage was calculated by dividing in state born population by total county population

Years: 2011-2015 American Community Survey 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B05002 Place of birth by nativity and citizenship status* [Data file]. Retrieved June 1, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B05002/0100000US|0400000US37|0400000US37_05000

Year: 2011-2015 5-Year Estimates

Source: United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.). *B01003 Total population* [Data file]. Retrieved July 22, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B01003/0400000US37|0400000US37.05000

8 Recoding of Data

8.1 City to County Recoding

Cities that crossed into two or more counties were attributed to the county with the greatest 2014 population as defined by the Census. For example, the city of Burlington crosses into Alamance and Guilford County with 51,216 people who reside in Alamance and 703 people in Guilford; therefore, Burlington was recoded as Alamance county.

8.2 University to County Coding

Universities were coded to the county in which they reside, for example, University of North Carolina at Chapel Hill was recoded to Orange County.