

**CHRIS DELCHER, MS, PhD**  
CURRICULUM VITA

1. **CONTACT INFORMATION**

**OFFICE:**

Dept. of Health Outcomes and Policy  
Institute for Child Health Policy  
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2. **EDUCATION**

	<b>YEAR</b>	<b>DEGREE</b>	<b>MAJOR</b>
<b>Graduate</b>			
University of Florida	2014	PhD	Epidemiology
University of North Carolina (Chapel Hill)	2003	MS	Envir. Engineering
<b>Undergraduate</b>			
Florida State University	1996	BS	Biology

3. **ACADEMIC POSITIONS/EMPLOYMENT**

2/2015-pres	<b>Assistant Professor</b> Department of Health Outcomes and Policy	Gainesville, FL
8/2014-2/2015	<b>Adjunct Research Assistant Professor</b> Department of Health Outcomes and Policy	Gainesville, FL
2010-2014	<b>Graduate Student</b> Department of Epidemiology	Gainesville, FL
2010-2014	<b>Pre-Doctoral Fellow</b> Department of Health Outcomes and Policy Institute for Child Health Policy	Gainesville, FL
2010-	<b>HIV/AIDS Surveillance Database Designer</b> National Alliance of State & Territorial AIDS Directors, US Centers for Disease Prevention and Control (CDC)	Florida/Haiti

2007-2010	<b>Public Health Analyst</b> Virginia Health Information	Richmond, VA
2003-2007	<b>Epidemiologist</b> Virginia Department of Health	Richmond, VA
2001-2003	<b>Teaching Assistant</b> University of North Carolina	Chapel Hill, NC
2000-2001	<b>Hispanic Liaison</b> Triangle United Way	Raleigh, NC
1998-2000	<b>Water/Sanitation Engineer</b> US Peace Corps	El Salvador

#### 4. HONORS AND AWARDS

2014	UF Howard Hughes Medical Institute Science for Life Graduate Student Mentor Award
2010-2014	Institute for Child Health Policy Fellowship
2007	Employee Recognition, Virginia Department of Health
2006	Public Health Disparities Geocoding Project, Harvard University Public Health Hero Award, Virginia Department of Health Governor's Award Nominee for Innovation Employee Recognition, Virginia Department of Health
1995	Mayo Clinic Summer Fellowship
1992-1996	Florida Undergraduate Scholarship

#### 5. RESEARCH/FUNDED SUPPORT

2016-	<b>Principal Investigator</b> —"HIV/AIDS Case-Based Surveillance and Health Outcomes in Haiti" (\$51,000, National Alliance of State and Territorial AIDS Directors)
2015-2016	<b>Principal Investigator</b> —"New Collaboration to Increase the Development of Computable Phenotypes for Improving Health Outcomes" (\$50,000, University of Florida Informatics Institute)
2015	<b>Principal Investigator</b> —"Characterizing Populations with Severe Mental Illness" (\$5,000, SAMHSA)
2015-2016	<b>Co-Principal Investigator</b> —"Seizing the Momentum: A Multidisciplinary

- Approach to Reduce Prescription Drug Abuse in Florida” (\$399,950, US Bureau of Justice Assistance and Florida Department of Health)
- 2015 **Principal Investigator**—“Mapping Premature Births in Florida Counties” (\$50,000, March of Dimes Foundation)
- 2012 **Co-Investigator**— “Concussion Awareness in the Community: Outreach, Education, and Assessment” (\$10,000, University of Florida)
- 2006-2009 **Co-Investigator**— “Integration of HIV/AIDS Surveillance Data using Geographic Information Systems (GIS)” (\$270,000, US Centers for Disease Control and Prevention)
- 2004-2005 **Principal Investigator**— “Informatics Capacity Building” (\$140,000, US Centers for Disease Control and Prevention)
- 2000 **Manager**— “Public Health Infrastructure”—(\$5,000, United States Agency for International Development)

## 6. PUBLICATIONS

### Peer-reviewed Manuscripts

\*Student/post-doc/fellow

1. Peterson A.B., Gladden R.M., **Delcher C.**, Spies E., Garcia-Williams A., Wang Y., Halpin J., Zibbell J., McCarty C.L., DeFiore-Hyrmer J., DiOrio M., Goldberger B.A. (2016) Increases in Fentanyl-Related Overdose Deaths — Florida and Ohio, 2013-2015. US Centers for Disease Control and Prevention. *MMWR Morb Mortal Wkly Rep.* 2016 Aug 26;65(33):844-9. doi: 10.15585/mmwr.mm6533a3.
2. Yang C., **Delcher C.**, Shenkman E.A., and Ranka S. (2016) Predicting 30-Day All-Cause Readmissions from Hospital Inpatient Discharge Data. *International Conference on E-health Networking, Application & Services (HealthCom)* (accepted)
3. Hogan W., Hanna J., Hicks A., Amirova S., Bramblett B., Diller M., Enderez R., Modzelewski T., Vasconcelos M. and **Delcher C.** (2016) Therapeutic Indications and Other Use-case-driven Updates in the Drug Ontology Anti-malarials, Anti-hypertensives, Opioid Analgesics, and a Large Term Request. *Vaccine and Drug Ontology Studies* (accepted)
4. **Delcher C.**, Wang Y., Wagenaar A.C., Goldberger B.A., Cook R.L., Maldonado-Molina M.M. (2016) Prescription and Illicit Opioid Deaths and the Prescription Drug Monitoring Program in Florida. *American Journal of Public Health* doi: 10.2105/AJPH.2016.303104

5. **Delcher C.**, Puttkammer N., Arnoux R., Francois K., Griswold M., Zaidi I., Marston B.J. (2016). Validating Procedures used to Identify Duplicate Reports to Haiti's National HIV/AIDS Case Surveillance System, *Journal of Registry Management* PMID: 27195993
6. Lee D., **Delcher C.**, Maldonado-Molina M.M., Thogmartin J.R., Goldberger B.A. (2016) Manners of Death in Drug-Related Fatalities in Florida, *Journal of Forensic Sciences* doi: 10.1111/1556-4029.12999
7. **Delcher C.**, Wagenaar A.C., Goldberger B.A., Cook R.L., Maldonado-Molina M.M. Abrupt decline in oxycodone-caused mortality after implementation of Florida's Prescription Drug Monitoring Program. (2015) *Drug Alcohol and Dependence*. doi:10.1016/j.drugalcdep.2015.02.010.
8. Lee D., **Delcher C.**, Maldonado-Molina M.M., Bazydlo L.A.L, Thogmartin J.R., Goldberger B.A.. (2014). Trends in licit and illicit drug-related deaths in Florida from 2001 to 2012. *Forensic Science International*. doi:10.1016/j.forsciint.2014.10.024.
9. **Delcher, C.**, Wang, Y., & Maldonado-Molina, M.M. (2013). Trends in financial barriers to medical care for women veterans, 2003–2004 and 2009–2010. *Prev Chronic Dis*; 10:130071
10. **Delcher, C.**, Johnson, R., & Maldonado-Molina, M.M. (2013). Driving after drinking among young adults of different race/ethnicities in the United States: unique risk factors in early adolescence? *Journal of Adolescent Health*, 52(5): 584-591
11. Noel E., Esperance, M., McLaughlin, M., Bertrand, R., Devieux J., Severe, P., Marcelin, A., Nicotera, J., **Delcher, C.**, Griswold, M., Meredith, G., Pape J.W., Koenig, S. (2013). Attrition from HIV testing to antiretroviral therapy initiation among patients newly diagnosed with HIV in Haiti. *Journal of Acquired Immune Deficiency Syndromes*, 62(3):e61-e69
12. **Delcher C.**, Meredith, G., Griswold, M., Roussel, B., Duval, N., Louissaint, E., & Joseph, P. (2012). Lost to follow-up but perhaps not lost in the health system. *Journal of Acquired Immune Deficiency Syndromes*, 61(5): e75-e77.
13. **Delcher C.**, Wang Y. (2012). Re: "Longitudinal health study of US 1991 Gulf War veterans: changes in health status at 10-year follow-up". *American Journal of Epidemiology*, 175 (5), 473-473
14. **Delcher, C.**, Maldonado-Molina, M. M., & Wagenaar, A. C. (2012). Effects of alcohol taxes on alcohol-related disease mortality in New York State from 1969 to 2006. *Addictive Behaviors*, 37(7): 783-789

15. Maldonado-Molina, M.M. and **Delcher, C.** (2012). Commentary on Caetano, Mills, and Vaeth (2012): The role of context on alcohol consumption among Mexican Americans. *Alcoholism: Clinical and Experimental Research*, 36: 566–567
16. Maldonado-Molina, M.M., Reingle, J.M., **Delcher, C.**, and Branchini, J. (2011). The role of parental alcohol consumption on driving under the influence of alcohol: results from a longitudinal, nationally representative sample. *Accident Analysis and Prevention*, 43, 2182-2187
17. Stover, J.A., Kheirallah, K.A., **Delcher, C.**, Dolan, C.B., & Johnson, L.S. (2009). Improving surveillance of sexually transmitted diseases through geocoded morbidity assignment. *Public Health Reports*, 124(Suppl 2), 65
18. Bissette, J. M., Stover, J. A., Newman, L. M., **Delcher, C.**, Bernstein, K. T., & Matthews, L. (2009). Assessment of geographic information systems and data confidentiality guidelines in STD programs. *Public Health Reports*, 124(Suppl 2), 58
19. Dolan, C., & **Delcher, C.** (2008). Monitoring health inequities and planning in Virginia: poverty, human immunodeficiency virus, and sexually transmitted infections. *Sexually Transmitted Diseases*, 35(12), 981-984
20. **Delcher, C.**, Edwards, K. T., Stover, J.A., Newman, L.M., Groseclose, S.L., & Rajnik, D.M. (2008). Data suppression strategies used during surveillance data release by sexually transmitted disease prevention programs. *Journal of Public Health Management and Practice*, 14(2), E1-E8

#### **Other Invited Written Contributions**

1. **Delcher C.**, Poston R., Marshall E., Lee D, Maldonado-Molina, MM and Goldberger BA. (2015) "Florida's Prescription Drug Monitoring Program (E-FORCSE) Annual Report"
2. **Delcher C.**, Poston R., Marshall E., Lee D, Maldonado-Molina, MM and Goldberger BA. (2014) "Florida's Prescription Drug Monitoring Program (E-FORCSE) Annual Report"
3. Dolan C.B, **Delcher, C.**, Harris, C., Decatur, A. (2013). Introduction to ArcGIS using AidData. College of William and Mary, Williamsburg, VA.
4. Maldonado-Molina, M.M., **Delcher, C.**, & Snyder, N. (2012). Longitudinal designs. *The Encyclopedia of Theoretical Criminology*

#### **Refereed Abstracts & Posters**

##### **National**

1. Mining Twitter to Assess the Public Perception of Controlled Substances. **C Delcher and J Bian**. Society for Prevention Research. San Francisco, CA, 2016
2. The geospatial and temporal correlation of Oxycodone and heroin deaths in Florida counties, 2011 to 2013. **C Delcher**, M Maldonado-Molina, D Lee, J Hall. College on Problems of Drug Dependence. Phoenix, AZ, 2015.
3. "Prescription Drug Misuse Among American Indian and White High School Students." **C Delcher**, M Maldonado-Molina, B Garrett, M Boyd, K Komro. Society for Prevention Research, Washington, DC, 2015.
4. Risk for DUI Among American Indian and White Adolescents. M Maldonado-Molina, W Jennings, Kominsky, **C Delcher**, A Wagenaar. Society for Prevention Research, Washington, DC, 2015
5. "Epidemiologic surveillance and data utilization toward improved maternal and child health in Haiti." N Joseph, **C Delcher**, M Griswold, R.G. Pierre, G Meredith, J Hall. Innovations in Global Health, University of Florida, Gainesville, FL, 2015.
6. "Use, misuse, and diversion of the Methylphenidate Transdermal System: results from the National Monitoring of Adolescent Prescription Stimulants Study (N-MAPSS)" **C Delcher**, C Striley, S Schnoll, M Sembower, L Cottler. Society for Adolescent Health and Medicine, Atlanta, GA, 2013.
7. "Use of electronic medical records and other information systems to track the response to HIV in resource-limited settings" G Meredith, **C Delcher**, N Durval, B Roussel. XIX International AIDS Conference, Washington, DC, 2012.
8. "Early adolescent predictors of drinking after driving for young adults in the United States" **C Delcher**, R Johnson, M Maldonado-Molina. Pediatric Academic Societies, Boston, MA, 2012.
9. "The role of parents' beliefs and provider recommendation in HPV vaccine initiation" S Staras, R Patel, **C Delcher**, S Vadaparampil, E Shenkman. Pediatric Academic Societies, Boston, MA, 2012.
10. "New York City's 5-point tobacco control policy: exploring the effects on smoking-attributable cancer mortality, 1989 to 2009" **C Delcher**, M Maldonado-Molina, A Wagenaar. Society for Research on Nicotine and Tobacco, Houston, TX, 2012.
11. "Modifying AHRQ QI software using SAS: a case study for the Virginia Rural Health Plan" **C Delcher**. National Association of Health Data Organizations Annual Meeting, San Antonio, TX, 2008.

12. "Cardiac care reporting in Virginia" **C Delcher** and K Bernard. National Association of Health Data Organizations Annual Meeting, San Antonio, TX, 2008.
13. "When datasets collide: administrative data meets crash data" **C Delcher** and K Bernard. National Association of Health Data Organizations Annual Meeting, San Antonio, TX, 2008.
14. "Turning data into information: an event-driven approach to informatics education" J Stover, **C Delcher**, C Dolan. Public Health Information Network Conference. Atlanta, GA, 2007.
15. "Health disparities and planning in Virginia: poverty, HIV/AIDS, and sexually transmitted diseases (STDs)" C Dolan and **C Delcher**. American Public Health Association (APHA) Annual Meeting. Washington, DC, 2007
16. "Strategic aberration monitoring (SAM): using analysis, visualization, and reporting (AVR) mechanisms to improve sexually transmitted disease surveillance" **C Delcher**, C Dolan, J Stover. 4th Annual Public Health Information Network Conference. Atlanta, GA, 2006.
17. "Who is using geographic information systems (GIS): a survey of sexually transmitted disease programs" J Bissette, J Stover, **C Delcher**. National Sexually Transmitted Disease Prevention Conference, Jacksonville, FL, 2006.
18. "Geographic and spatial regression analysis of sexually transmitted diseases in Richmond, Virginia" **C Delcher** and J Stover. National Sexually Transmitted Disease Prevention Conference, Jacksonville, FL, 2006.
19. "Suppression of sexually transmitted disease (STD) data to protect confidentiality: at what cost?" K Edwards, **C Delcher**, J Stover, L Newman, S Groseclose. National Sexually Transmitted Disease Prevention Conference, Jacksonville, FL, 2006.
20. "Geographic and spatial regression analysis of sexually transmitted diseases in Richmond, Virginia" **C Delcher**, J Stover. Geographic Information Systems Open House, Centers for Disease Control and Prevention, Atlanta, GA, 2004.
21. "Enhancing surveillance to better understand STD risks and demographics" J Bissette, J Stover, **C Delcher**. National Sexually Transmitted Disease Prevention Conference, Philadelphia, PA, 2004.

## International

1. "Florida's Prescription Drug Monitoring Program and oxycodone-caused mortality: a monthly time series analysis, 2003-2012" **C Delcher**, A Wagenaar, B Goldberger, and M Maldonado-Molina. The College on Problems of Drug Dependence, San Juan, PR, 2014.

2. "Building an HIV/AIDS case surveillance system: peer-to-peer skills building"  
G Meredith, B Roussel, **C Delcher**, D Dabady, J Chandler, KJ Charles, L Pessoa-Brandao, N Durval, C Hecdivert, E Louissaint. Caribbean HIV Conference, 2011.
3. "Assessment of available HIV case data to determine the ability of the Haiti national HIV case notification system to estimate disease burden" G Meredith, **C Delcher**, C Dolan, L Pessoa-Brandão, B Roussel. XVIII International AIDS Conference, Vienna, Austria, 2010.
4. "Aberration detection in sexually transmitted diseases (STD) surveillance" M Samuel, J Stover, **C Delcher**, D Gilson, J Chase, T Aragon, G Bolan. International Society of Sexually Transmitted Disease Research (ISSTD) Amsterdam, Netherlands, 2005.

### **Invited Presentations**

1. "Florida drug-Related Outcomes Surveillance and Tracking System (FROST)"  
Prescription Drug Monitoring Programs Training and Technical Assistance Center  
Webinar Series. Jun 2016
2. "New Developments in Prescription Drug Monitoring Programs: South Carolina,  
Wisconsin, and Florida," National Rx Drug Abuse and Heroin Summit, Atlanta, GA,  
Mar 2016
3. "Predictive Analytics for Identifying Emergency Department Superutilizers in Texas  
Medicaid", Panelist for the Texas Annual Quality Forum, Austin, TX, Nov 2015.
4. "Mapping Premature Births in Florida", March of Dimes Prematurity Summit, Tampa, FL,  
Nov 2015.
5. "Prescription Drug Monitoring Programs: Intended and Unintended Consequences",  
University of Kentucky, Lexington, KY, Aug 2015.
6. PDMP Research Forum: Identifying Priorities to Optimize Use and Improve Public  
Health. Pew Charitable Trust, Washington, DC, May 2015.
7. "Doctor Shopping for Prescription Opioids in Texas Medicaid", Panelist for the Texas  
Annual Quality Forum, Austin, TX, Dec 2014.
8. "Florida Trends in Pain Reliever Prescriptions and Mortality Among Adolescents",  
Panelist for the Institute for Child Health Policy Research Annual Research Day,  
Gainesville, FL, Nov 2014.
9. Medical Spotlight: Prescription Painkiller Abuse in Florida. WCJB-TV 20 interview, Sep  
2014. Available at <http://www.wcjb.com/your-health/2014/09/medical-spotlight-prescription-painkillers>



10. "Alcohol Policy and Driving Fatalities & DUI among Adolescents: 5 Studies You Should Know" **C Delcher**. Florida Impaired Driving Coalition, Havana, FL, May 2014.
11. "Oxycodone-caused mortality and prescription drug monitoring in Florida" **C Delcher**. The Center of Innovation on Disability and Rehabilitation Research, North Florida/South Georgia Veterans Health System in Gainesville, FL, Feb 2014.
12. "The effect of Florida's prescription drug monitoring program on oxycodone-caused mortality" **C Delcher**. Florida Medical Examiner's Commission, Tallahassee, FL, Feb 2014.
13. "Detecting county-level clusters of mortality due to excessive alcohol consumption in the United States: a space-time analysis from 1979 to 2007" **C Delcher**, J Blackburn, M Maldonado-Molina. The Society for Prevention Research. San Francisco, CA, May 2013.
14. "HIV/AIDS surveillance systems in Central America" **C Delcher**. Centers for Disease Prevention and Control (CDC). Guatemala City, Guatemala, May 2013.
15. "Using intensive longitudinal data to evaluate alcohol and drug policies" M Maldonado-Molina, **C Delcher**. The Methodology Center, Penn State University, University Park, PA, Apr 2013.
16. "Geographic information systems (GIS) and public health" **C Delcher**. Virginia Commonwealth University, School of Nursing, Richmond, VA, Mar 2007.
17. "Data suppression strategies used during surveillance data release by sexually transmitted disease prevention programs" **C Delcher**. Analysis, Visualization, and Reporting Workgroup. National conference call, Feb 2007.
18. "Geographic information systems in health and research informatics" **C Delcher**, J Stover. Centers for Disease Control and Prevention, Atlanta, GA, Jan 2007.
19. "Data suppression strategies used during surveillance data release by sexually transmitted disease prevention programs" **C Delcher**. Virginia Epidemiology Seminar, Charlottesville, VA, Nov 2006.
20. "Geographic information systems (GIS) and public health" **C Delcher**. Virginia Commonwealth University, Department of Epidemiology and Community Health Richmond, VA, Sep 2006.
21. "Programmatic use of spatial data and spatial analysis" **C Delcher**. Richmond Regional Geographic Information Systems Users Conference, Richmond, VA, Jun 2005.

### Teaching

1. Instructor for “Experimental and Quasi-experimental Research Designs for Community Settings (GMS 6844, Spring 2016), University of Florida
2. Co-instructor for “Measuring and Analyzing Health Outcomes” (GMS 6822, Spring 2015), University of Florida
3. Co-instructor for “Advanced Longitudinal Designs” (GMS 6829, Fall 2014), University of Florida
4. Graduate Teaching Assistant for “Introduction to Public Health” (PHC 4101, Fall 2012), University of Florida
5. Guest Lecture for Advanced Longitudinal Designs, (GMS 6829, Fall 2012), “Introduction to R for Time Series Analysis”, University of Florida
6. Guest Lecture, “Introduction to EpiInfo” , GHESKIO Clinic, Port-au-Prince, Haiti, 2011.
7. Trainer, “Introduction to Geographic Information Systems” National Alliance of State and Territorial AIDS Directors (NASTAD), Washington, DC, 2010.
8. Trainer, “Introduction to Geographic Information Systems” Virginia Department of Health, Richmond, VA, 2008.
9. Trainer, “Introduction to SAS programming” Virginia Department of Health, Richmond, VA, 2008.

7. **ADVISING**

**PhD**

**Committee Member**, Monica Munoz, PhD student in Pharmaceutical Outcomes and Policy, University of Florida. *FDA’s Adverse Event Reporting System: Impact and Challenges*, 2016-present

**Member**, Chengliang Yang, PhD student in Computer Science and Engineering, University of Florida. 2016-present

**Undergraduate**

**Chair**, Anthony Rainho, student in Junior Honors Medical Program, *Risk Factors For “Silent” Transfers by HIV-Positive Patients in Haiti*, June 2015

8. **COMMITTEES, BOARD MEMBERSHIPS, AND SERVICE**

- 2015 Judge for undergraduate science posters, Creativity in the Arts and Science Event (CASE), University of Florida

- 2014-pres Education subcommittee-Department of Health Outcomes and Policy
- 2008 US Centers for Disease Control and Prevention (CDC), Geographic Information Systems and Confidentiality Workgroup
- 2008 Virginia Department of Health, Geographic Information Systems Task Force

9. **EDITORIAL RESPONSIBILITIES**

**Ad hoc Reviewer**

- 2016- Pain Medicine
- 2016- AIDS Research and Treatment
- 2015- Health Affairs
- 2015- Journal of the American Medical Association
- 2014- Journal of Adolescent Health
- 2014- Drug and Alcohol Dependence
- 2014- Spanish Journal of Psychology
- 2014- Global Health Action
- 2012- Addiction
- 2012- European Addiction Research
- 2011- Alcoholism: Clinical and Experimental Psychology
- 2011- Journal of Primary Prevention
- 2011- Current Drug Abuse Reviews

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