

Andrew Choens, MSW - Résumé

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DATA SCIENCE EXPERIENCE:

Data Scientist / Data Architect

Troy, NY

Acuitas Health

September 2017 - Present

Acuitas is a population health services organization which helps physicians and physician practices succeed. In my role as lead Data Scientist, responsibilities include development of the Acuitas Data Warehouse and collaborating with domain experts to develop physician risk scores and quality outcomes.

Healthcare Program Advisor

Albany, NY

**PCG Staffing Solutions Organization -
New York State Department of Health**

July 2017 - August 2017

Embedded consultant with the New York State Department of Health. Supervise the evaluation of the State's diverse care management programs. Includes working with external program evaluators and internal stakeholders to understand the impact and effectiveness of care management programs and how to improve them.

Responsibilities include care management programs administered by the Medicaid Managed Care Plans and Health Homes. Care management programs are an administrative (case management) intervention for people with complex health care needs and high utilization of emergency and inpatient services. Care management programs provide integrated, supportive, and preventative health care services intended to improve participants' health and well-being while reducing the unnecessary utilization of inpatient and emergency department services.

Accomplishments:

- Monitor Emergency Department, Inpatient, and Primary Care utilization of Medicaid enrollees who agreed to receive care management services. Includes program improvement and pre-post analyses.
- Supervise the development and reporting of HEDIS quality metrics as listed in New York State's SPA to State Agency Partners, Health Homes and CMS.
- Redesigned the Care Management Assessment Reporting Tool: [HH CMART3 Specifications \(PDF\)](#).
- Developing data-warehouse structure and ETL tools to combine care management data from a number of different data sources.
- Peer Leader - Epidemiology and Biostatistics Community of Practice (EBCoP). Developed the [Titanic Introduction To R](#) workshops to introduce DOH research scientists to the R programming language. Manage other Learning Pathways workshops.

Healthcare Program Research Manager

Albany, NY

**IPRO (Island Peer Review Organization) -
New York State Department of Health**

March 2014 - June 2017

Transferred from IPRO to PCG in July because PCG outbid IPRO for the contract renewal. The change in employer and job title are misleading. I continue to report to the same DOH staff person and have the same responsibilities.

Policy Analyst

Troy, NY

Hornby Zeller Associates

September 2007 - March 2014

Hornby Zeller Associates (HZA) is a consulting firm specializing in child welfare, elder care, juvenile justice, and mental health. As a policy analyst, I was responsible for developing research hypotheses and methodologies. I was also responsible for providing support and mentoring to less experienced staff. Other responsibilities include data collection, management and analysis of research data and dissemination of results.

Example projects:

- Program / Systems Evaluation: Arkansas (IV-E Waiver), West Virginia (Jacob's Law), Alaska (Mental Health Beneficiary Program)
- Time Study: Virginia, Westchester County, Wisconsin
- Accounting & Title IV-E Funding: Wisconsin, Georgia, Mississippi

Accomplishments:

- Started an internship program and supervised two interns.
- Developed templates and processes to automate the production of reports.
- Provided staff training & support for PostgreSQL, SQL Server, R, and SPSS.
- Mentored junior staff in of research methods and application of statistical tests.
- Introduced version control resulting in more reliable, reproducible results.

Principal Investigator

Albany, NY

Coalition for the Homeless

September 2006 - June 2007

Principal Investigator for an exploratory research project which established the existence of homeless men and women with borderline intellectual functioning in New York State homeless shelters.

Accomplishments:

- Demonstrated the validity of the Mini Mental Status Exam to identify homeless adults with borderline intellectual functioning.
- Recruited, trained, and supervised a team of BSW students.
- Interviewed over 150 homeless New Yorkers. Successfully identified homeless adults with a historical diagnosis of borderline intellectual functioning.
- Presented results to the Assistant Commissioner of the Office of Mental Retardation and Developmental Disabilities¹.

CLINICAL SOCIAL WORK EXPERIENCE:

Residential Habilitation Provider

Albany, NY

Catholic Charities

October 2005 - September 2007

Delivered in-home services to Albany residents with mental retardation and other developmental disabilities. Services included family support, socialization skills, and crisis counseling.

Advocate / Case Manager

Troy, NY

Joseph's House & Shelter

September 2005 - May 2006

Worked with homeless guests to find housing and income in the form of jobs or social services such as SSD. Addressed other needs on a case-by-case basis. Developed a Guest Satisfaction Survey for the shelter. Surveyed guests in the shelter during the winter of 2005 - 2006.

Teen Leadership Program Director

Rhinebeck, NY

Ramapo for Children

June 2003 - September 2005

Supervised an outdoor experiential program for teens with developmental disabilities and mental health diagnoses. Responsibilities included staff supervision and program development. Implemented a unique peer support program for high-risk teens using conference calls. Led multi-day canoe trips on Indian Lake in the Adirondacks. Facilitated team building activities including low and high ropes facilitation.

¹Now called the Office for People With Developmental Disabilities.

SOFTWARE DEVELOPMENT EXPERIENCE:

Data Analysis: R, Python, SAS, SPSS, Excel

Data Management: PostgreSQL, MySQL, Vertica, SQL Server, Access

Reproducible Research: L^AT_EX, Sweave, knitr, Org-Mode

EDUCATION:

Master of Social Work	The State University of New York	Albany, NY
	at Albany	2007
Bachelor of International	Georgia Institute of Technology	Atlanta, GA
Affairs		2002

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L^AT_EXversion of this document available at: <https://github.com/Choens/Resume/>