**ANDREW SANCHEZ**

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**PROFESSIONAL SUMMARY**

Results oriented professional with more than 15 years of solid analytical experience in the healthcare industry. Experience conducting research and analysis across multiple areas in healthcare including healthcare professional/provider engagement, information seeking patterns of healthcare providers, educational needs, practice gap closure, CME education evaluation, and healthcare management program evaluation based on clinical, utilization and financial outcomes.

Enjoy opportunities to develop solutions that address challenging organizationalproblems using a detail-oriented approach. Exceptional ability to comprehend, coordinate, and manage concurrent projects while focusing on the overall scope, with the ability to balance creative thinking with logical design ideas. Exceptional interpersonal relationship and communication skills with a keen focus on excellence in job performance and teamwork to obtain optimal results. Work effectively in both self-managed and team-based projects, maintaining high ethical and quality standards, professional demeanor, cooperative attitude, and demonstrated leadership skills.

**Core Competencies:**

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| Research Design | Big Data | Healthcare economics |
| Survey research | Machine Learning  Modeling/Forecasting | Real World Data/ Real World Evidence |
| Natural Language Processing | Front End Web Visualization | Psychometrics |

*Verbal and Written Communication Skills in English and Spanish.*

##### Proficient in Microsoft Office, R, Python (pandas, NumPy, matplotlib, Scikit-learn, SciPy, etc.), SPSS,

##### SQL, Spark, AWS, GitHub, HTML5/CSS, API Interactions, ETL, MongoDB,

##### Tableau, HTML/CSS, Bootstrap, JavaScript charting, Geomapping with Leaflet.js

**EDUCATION**

Data Analysis and Visualization Certificate

University of Texas at Austin

Master’s Industrial Organizational Psychology

Saint Mary’s University, San Antonio, TX

Bachelor’s Psychology

New Mexico State University, Las Cruces, NM

**PROFESSIONAL EXPERIENCE**

**Optum (Acquired Alere Health). 2015 – Current**

**Client Analytic Manager/Sr. Data Analyst Remote**

Provide in depth analysis of data from multiple sources including medical and pharmacy claims, survey data and other secondary sources to provide insight into program efficacy and utility across a number of products including disease management, maternity and NICU outcomes (operational, clinical, Rx, labs, outpatient, utilization and financial data) for employer and payer clients.

* Data mining and analysis from large databases to learn about process and outcomes measures that impact a client’s value story
* Work on multiple client accounts and meet with clients in person to consult with them on progress and next steps
* Present customized reports to a wide variety of stakeholders (C-suite, management, internal/external consultants as well as benefits, informatics and clinical personnel)
* Document technical requirements of each clients’ reporting needs
* Lead monthly meetings offering relevant topics for client reporting team
* Involved in ongoing quality control procedures to ensure accuracy and reliability of reporting
* Use a variety of software tools for data management, analysis and visualization including SAS, SQL, Excel, R, Python, Tableau, and VBA
* Conduct inferential and predictive analytics (including but not limited to General Linear Modeling, Linear and non-linear regression, General Estimation Equation, Structural Equation Modeling, Segmentation/classification) and custom ad hoc client requested analysis including program financial performance analysis using a variety of techniques (e.g. propensity score match control par non par comparison)

**Alere Health 2012- 2015**

**Outcomes Consultant Remote**

Responsible for client relations involving Alere products and programs. Provided technical and analytical expertise in the development and support of various multi-project analyses necessary to analyze and track issues involving healthcare cost and utilization trends, provider performance, clinical and disease state management analysis, patient outcomes, and quality measurement, as well as providing general research and decision support activities.

* Provided detailed analysis of clinical, utilization and financial data as well as recommendations for improvement and/or programmatic enhancements
* Led design and refinement of the outcomes report presentations to meet client needs including custom ad-hoc analyses and synthesis
* Led efforts to monitor and identify account specific outcomes issues and effectively communicate the issues to the client
* Developed business requirements and/or report production for custom analysis
* Developed opportunities to improve goals for outcomes area with operations
* Served as a liaison for sales/business development teams and support upsell and new business opportunities with new and existing clients
* Communicated with management on strategies, competitive activity and project progress
* Provided communication and presentation of performance reporting as defined by the customer needs and provided feedback to the Analytic Solutions team on opportunities to exceed client expectations related to their outcomes

**Morehead Associates 2011- 2012**

**Client Services Consultant Charlotte, NC**

Consulted with business leaders to provide data and recommendations to assist with better human capital decisions focused on improving employee retention and driving performance. Prioritized systemic changes to align employees with business strategies utilizing survey data, statistical metrics, and targeted solutions.

* Strategized with clients to develop targeted solutions including developing a roadmap for follow through on initiatives designed to meet specific client goals
* Led design meetings and refinement of surveys based on proprietary behavior prediction models
* Conducted statistical analysis of employee data to determine drivers for engagement and predict turnover and absenteeism
* Impacted client financial performance through reduction of absenteeism, employee engagement and reduction in labor relations issues

**The Assessment Group, LLC. (Marketing arm of Outcomes, LLC) 2009- 2010**

**Director of Research and Analytics Birmingham, Alabama**

Responsible for the design, development, and implementation of studies across multiple therapeutic areas for the marketing arm of Outcomes, LLC. (The Assessment Group, LLC.)

* Directed and mentored junior analysts in research design and statistics
* Developed sampling plans, surveys, tab plans, final reports and presentations, and submitted IRB review requests
* Assisted with creating and customizing capabilities presentations for clients with unique needs
* Worked directly with clients to create and submit customized research proposals
* Conducted statistical analysis (GLM, HLM, conjoint, SEM, regression, etc.) using SPSS, AMOS, SAS and R
* Conducted Geographic Information Systems (GIS) mapping for multiple projects
* Mapped disease prevalence, treatment centers, physician geographic distribution, etc.
* Modeled factors leading to successful placement of clinical trials
* Presented study findings to clients through in-person and virtual meeting presentations
* Presented scientific posters at medical and educational association conferences
* Wrote and contributed to multiple research articles submitted to medical and research journals

**Outcomes, LLC 2008-2010**

**Senior Research Analyst/Research Consultant Birmingham, Alabama**

Conducted research projects across multiple therapeutic areas for continuing medical education, physician script patterns, and patient health to better understand knowledge and practice gaps, market share, trends, growth, new product development, etc.

* Mentored junior analysts, medical directors, and business development team members on assessment and analytical techniques
* Collaborated with cross-functional team members to prepare assessment plans, including data collection and analysis planning to address client objectives
* Reviewed surveys to ensure the assessment questions would yield meaningful results
* Performed statistical analysis on both small and large data sets, including primary and secondary data sources
* Produced SPSS syntax and statistical reports and conducted geographic information systems mapping and GIS modeling using ESRI ArcGIS
* Presented findings to teams of statisticians, medical directors, and c-suite executives
* Developed and presented abstracts, posters and study manuscripts

**Frost and Sullivan 2007**

**Market Research Analyst San Antonio, Texas**

Conducted research studies to provide clients with a better understanding of market share, trends, growth, new product development, etc. across multiple industries.

* Designed and submitted research proposals, sampling plans, surveys, tab plans, final reports, and white papers
* Conducted univariate and multivariate statistical analysis and presented results to internal and external clients
* Consulted with cross functional, multinational team to complete projects supporting various business units