Robert J. Reynolds, MS MPH PhD PStat®

Curriculum Vitae April 2026

Mortality Research & Consulting, Inc. ▪ Houston, TX

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EMPLOYMENT

2025-Present

Adjunct (Volunteer) Associate Professor of Aerospace Medicine, University of Central Florida Department of Medicine, Orlando, FL.

2022-2025

Data Scientist at National Aeronautics and Space Administration (NASA),

KBR, Inc., Johnson Space Center, Houston, TX.

2019-2021

Visiting Data Scientist at National Aeronautics and Space Administration (NASA), Mortality Research & Consulting, Incorporated, Johnson Space Center, Houston, TX.

2014-Present

Consulting Research Scientist & Director of Research, Mortality Research & Consulting, Incorporated, Diamond Bar, CA; Satellite office Houston, TX.

EDUCATION

PhD, Epidemiology, August 2013

University of Texas Health Science Center at Houston

MS, Statistics, August 2017

Texas A&M University

MPH, Epidemiology, December 2001

University of Arizona

BS, Psychology, December 1998

University of Arizona

CONTINUING EDUCATION

Johns Hopkins University (via Coursera):

- COVID-19 Contact Tracing (2021)
- Measuring and Maximizing Impact of COVID-19 Contact Tracing (2021)
- Data Science Specialization (2017)

- Executive Data Science Specialization (2016)

Microsoft Academy (via edX):

- Microsoft Professional Program in Data Science (2018)

PEER REVIEW ACTIVITIES

Peer reviewer of manuscripts for the following journals:

1. *Developmental Medicine & Child Neurology*
2. *Journal of Pediatric Rehabilitation Medicine*
3. *Aerospace Medicine and Human Performance*
4. Guest Editor "Human Systems Risks" collection, *npj Microgravity*

BOOKS EDITED

1. Reynolds RJ, editor. Beyond LEO: Human Health Issues for Deep Space Exploration. London: IntechOpen; 2020.
2. Reynolds RJ, Day SM, editors. Aging: Life span and life expectancy. London: IntechOpen; 2020.

PEER REVIEWED PUBLICATIONS - MEDICAL AND MORTALITY RESEARCH

1. Reynolds, Robert J. "Living DAGs: The Future of DAGs in Epidemiology." American Journal of Epidemiology, 2026, kwag029, https://doi.org/10.1093/aje/kwag029.
2. Reynolds RJ, Day SM. Estimating cerebral palsy incidence from prevalence in Tanna Island, Vanuatu: Prevention is more important than rehabilitation. Dev Med Child Neurol. 2026 Feb 9. doi: 10.1111/dmcn.70179. Epub ahead of print. PMID: 41662450.
3. Reynolds RJ, Goldsmith S, Mcintyre S, Day SM. Causal diagrams for research about childhood-onset disabilities. Dev Med Child Neurol. 2026 May;68(5):614-622. doi: 10.1111/dmcn.70064. Epub 2025 Nov 5. PMID: 41191638.
4. Goldsmith S, McIntyre S, Badawi N, Dan B, Day S, Himmelmann K, Hollung SJ, Jacobsson B, Rackauskaite G, Reynolds RJ. The cerebral palsy directed acyclic graph: A structural causal model of aetiology. Dev Med Child Neurol. 2026 Apr 9. doi: 10.1111/dmcn.70267. Epub ahead of print. PMID: 41955499.
5. Hogan KJ, Urquieta E, Reynolds RJ. A demographic comparison of NASA astronauts and commercial spaceflight participants. NPJ Microgravity. 2026 Jan 15;12(1):14. doi: 10.1038/s41526-025-00559-9. PMID: 41540064; PMCID: PMC12894856.
6. Sandhu S, Keyworth M, Karimi-Jashni S, Alomar D, Smith BJ, Kozbenko T, Doty S, Hocking R, Hamada N, Reynolds RJ, Scott RT, Costes SV, Beheshti A, Yauk C, Wilkins RC, Chauhan

V. AOP Report: Development of an adverse outcome pathway for deposition of energy leading to bone loss. Environ Mol Mutagen. 2024 Oct;65 Suppl 3:85-111.

7. Reynolds RJ, Shelhamer M, Antonsen EL, Carpentier W. Characterizing Dehydration in Short-Term Spaceflight Using Evidence from Project Mercury. npj Microgravity 10, 64 (2024).
8. Mason CE, Green J, Adamopoulos KI, et al. A Second Space Age Spanning Omics, Platforms, and Medicine Across Orbits. Nature (2024).
9. Ward J, Reynolds RJ, Connell E et al. Levels of evidence for human system risk evaluation. npj Microgravity 10, 33 (2024).
10. Antonsen E, Reynolds RJ, Charvat J et al. Causal diagramming for assessing human system risk in spaceflight. npj Microgravity 10, 32 (2024).
11. Antonsen EL, Connell E, Anton W, Reynolds RJ et al. Updates to the NASA human system risk management process for space exploration. npj Microgravity 9, 72 (2023).
12. Reynolds, R.J., Day, S.M. & Kanikkannan, L. Viability of internal comparisons for epidemiological research in the US astronaut corps. npj Microgravity 9, 36 (2023). https://doi.org/10.1038/s41526-023-00278-z.
13. Day SM, Reynolds RJ. How to avoid immortal time bias. Dev Med Child Neurol. 2023 Apr 10. doi: 10.1111/dmcn.15614. Epub ahead of print.
14. Sanders, L.M., Scott, R.T., Yang, J.H. et al. Biological research and self-driving labs in deep space supported by artificial intelligence. Nat Mach Intell 5, 208–219 (2023).
15. Scott, R.T., Sanders, L.M., Antonsen, E.L. et al. Biomonitoring and precision health in deep space supported by artificial intelligence. Nat Mach Intell 5, 196–207 (2023).
16. Reynolds RJ, Scott RT, Turner RT, Iwaniec UT, Bouxsein ML, Sanders LM, Antonsen EL. Validating Causal Diagrams of Human Health Risks for Spaceflight: An Example Using Bone Data from Rodents. Biomed. 2022; 10(9):2187.
17. Reynolds R, Little MP, Day S, Charvat J, Blattnig S, Huff J, Patel ZS. Cancer incidence and mortality in the USA Astronaut Corps, 1959-2017. Occup Environ Med. 2021 Dec;78(12):869-875.
18. Day SM, Reynolds RJ. Rectus femoris transfer surgery in cerebral palsy: can causal inferences be made from observational data? Dev Med Child Neurol. 2021 Feb;63(2):129.
19. Reynolds RJ, Bukhtiyarov IV, Tikhonova GI, Day SM, Ushakov IB, Gorchakova TYU. Contrapositive logic suggests space radiation not having a strong impact on mortality of US astronauts and Soviet and Russian cosmonauts. Nature Scientific Reports 2019; 9 Article number: 8583.
20. Reynolds RJ, Day SM. Mortality among international astronauts. Aerospace Medicine & Human Performance 2019; 90(7):1-5.
21. Reynolds RJ, Hakenewerth A, Shafer AB, Day SM, Becker EA. Cancer incidence among the mentally ill treated at the Local Mental Health Authority clinics in Texas. Texas Public Health Association Journal 2019;71(2):35-42.

22. Reynolds RJ, Day SM, Shafer A, Becker E. Mortality rates and excess death rates for the seriously mentally ill. J Insur Med. 2018;47(4):212-219.

23. Reynolds RJ, Day SM. The growing role of machine learning and artificial intelligence in developmental medicine. Dev Med Child Neurol. 2018 Sep;60(9):858-859.

24. Reynolds RJ, Day SM. The effect of competing risks on astronaut and cosmonaut mortality. Life Sci Space Res. 2018 Aug;18(8):35-41.

25. Day SM, Reynolds RJ. Diagnosis in the age of massive computing power. Dev Med Child Neurol. 2017 Dec;59(12):1211-1212.

26. Reynolds RJ, Shafer A, Day SM, Becker E. Cancer incidence among Texas publicly funded substance abuse treatment clients. Tex Med. 2017;113(12):e1.

27. Reynolds RJ, Day SM. Mortality Due to Cardiovascular Disease Among Apollo Lunar Astronauts. Aerosp Med Hum Perform. 2017 May 1;88(5):492-496. (Erratum: *Aersopace Medicine & Human Performance* 2017; 88(11):1055.)

28. Day SM, Reynolds RJ, Kush SJ. Extrapolating published survival curves to obtain evidence-based estimates of life expectancy in cerebral palsy. Dev Med Child Neurol. 2015 Dec;57(12):1105–1118.

29. Day SM, Reynolds RJ, Kush SJ. The relationship of life expectancy to the development and valuation of life care plans. NeuroRehabilitation. 2015;36(3):253-266.

30. Cook MR, Holcomb JB, Rahbar MH, Fox EE, Alarcon LH, Bulger EM, Brasel KJ, Schreiber MA, PROMMTT Study Group. An abdominal computed tomography may be safe in selected hypotensive trauma patients with positive Focused Assessment with Sonography in Trauma examination. Am J Surg. 2015 May;209(5):834-40.

31. Reynolds RJ, Kush SJ, Day SM, Vachon P. Comparative mortality and risk factors for death among Justices of the Supreme Court of the United States, 1789-2013: experience from an occupational cohort with over two centuries of follow-up. J Insur Med. 2015;45:9-16.

32. Reynolds RJ, Day SM, Nurgalieva ZZ. Mortality of Soviet and Russian cosmonauts, 1960-2013. Aviat Space Environ Med. 2014 Jul;85(7):750-754.

33. Reynolds RJ, Delclos GL, Cooper SP, Rahbar MH. Radiation dosimetry in space: A systematic review. WebmedCentral Environmental Medicine; 2014;5(2):WMC004578.

34. Day SM, Reynolds RJ, Kush SJ. Letter to the editor regarding "Life expectancy projections supporting life care planning" by RP Bonfiglio and D Kasas in volume 12, number 1. J Life Care Plan. 2013;12(2):5-7.

35. Reynolds RJ, Becker EA, Shafer AB. Causes of death and comparative mortality in Texas Public Mental Health Clients, 2006-2008. Ment Health Clin. 2013;3(1):52.

36. Kush SJ, Day SM, Reynolds RJ. Life expectancy for life care planners. J Life Care Plan. 2013;12(1):31-49.

37. Day SM, Reynolds RJ. Risk factors for cerebral palsy: current knowledge and future causal inference. Dev Med Child Neurol. 2013 Jun;55(6):490.

38. Reynolds RJ, Day SM. The mortality of Major League Baseball players from Canada, Latin America, and the Caribbean. GJMEDPH 2012 Jul-Aug;1(4):38-41.
39. Reynolds R, Day S. Life expectancy and comparative mortality of Major League Baseball players, 1900-1999. WebmedCentral Sports Medicine. 2012;3(5): WMC003380.
40. Reynolds RJ, Becker EA, Shafer AB. Mortality of public mental health clients treated at the Local Mental Health Authorities of Texas. TPHA Journal. 2012;64(2): 35-40. (Invited paper)
41. Rahbar MH, Fox EE, del Junco D, Cotton BA, Podbielski J, Matijevic N, Cohen MJ, Schreiber MA, Zhang J, Mirhaji M, Duran S, Reynolds R, Benjamin-Garner R, Holcomb JB. Coordination and management of multicenter clinical studies in trauma: Experience from the Prospective Observational Multicenter Massive Transfusion sTudy (PROMMTT). Resuscitation. 2012 Apr;83(4):459-64
42. Reynolds RJ, Day SM. Mortality among US Astronauts: 1980-2009. Aviat Space Envir Med. 2010 81: 1024-1027.
43. Oakeshott P, Hunt GM, Kerry S, Strauss DJ, Shavelle RM, Reynolds RJ. Survival and mobility in open spina bifida: Comparison of results from the United States and the United Kingdom. Int J Disabil Hum Dev. 2008, 7:101-106.
44. Day SM, Wu YW, Strauss DJ, Shavelle RM, Reynolds RJ. Change in ambulatory ability of adolescents and young adults with cerebral palsy. Dev Med Child Neurol. 2007 49:647-653.
45. Strauss DJ, Shavelle RM, Reynolds R, Rosenbloom L, Day SM. Survival in cerebral palsy in the last 20 years: Signs of improvement? Dev Med Child Neurol. 2007 49:86-92.
46. Day SM, Wu Y, Strauss DJ, Shavelle RM, Reynolds RJ. Causes of death in remote symptomatic epilepsy. Neurology, 2005 Jul 26, 65(2):216-22.
47. Day SM, Strauss DJ, Shavelle RM, Reynolds RJ. Mortality and causes of death in persons with Down syndrome in California. Dev Med Child Neurol. 2005 47: 171-6.

PEER REVIEWED PUBLICATIONS - BASEBALL

1. Reynolds R, Day SM. Offensive strategy and efficiency in the United States and Dominican Republic. Baseball Res J. 2009;38(1):39-43.
2. Reynolds R, Day S, Paculdo D. (2006) Deconstructing the Midas Touch: Gold Glove Award Voting 1965-2004. Baseball Res J. 2005;34:101-9.

BOOK CHAPTERS

1. Antonsen E, Burian BK, Costes SV, Reynolds RJ, et al. Artificial Intelligence in Precision Space Health. In: The Digital Doctor. Elsevier (in press).

2. Antonsen E, Reynolds RJ, Charvat J, Connell E, Abukmail A. Networks and analytic approaches. In: Shelhamer M and Antonsen E, eds. Systems Medicine for Spaceflight.

3. Reynolds RJ, Shelhamer M. Research methods for the next 60 years of space exploration. In: Reynolds RJ, editor. Beyond LEO. London: IntechOpen; 2020.
4. Reynolds RJ. Human Health in the Lunar Environment. In: Chemin Y, editor. London: IntechOpen; 2019. (In press)
5. Day SM, Reynolds RJ. Survival, Mortality, and Life Expectancy. In: Al-Zwaini IJ, ed. Cerebral Palsy: Clinical and Therapeutic Aspects. London: IntechOpen; 2018, p. 45-64.
6. Reynolds RJ, Day SM. The mortality of space explorers. In: Russomano T, editor. Into Space. London: IntechOpen; 2018. p. 253-85.

POSTERS AND INVITED PRESENTATIONS

1. Reynolds RJ, Antonsen EL, Day S. Beyond Confounding: Directed Acyclic Graphs for Risk Management and Collaborative Science. Lunch presentation at the 2025 Society for Epidemiologic Research Annual Meeting, Boston, MA, June 11, 2025.
2. Reynolds RJ, Day S, Hollung S, Himmelman K, Rackauskaite G, Dan B, McIntyre S, Goldsmith S, Badawi N. A Causal Diagram for Cerebral Palsy: A New International Collaboration. Poster presented at the 38th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research, Boston, MA, June 10, 2025.
3. Pandya S, Nelson AM, Levin D, Reynolds RJ, Apisa LN, Rochlis J, Chander D, Hirzallah MI, Christiansen R, Rajagopal AB. Emerging Needs in Space Medicine Education, Training, and Research: A Multilateral Perspective. 75th International Astronautical Congress (IAC), Milan, Italy, 14-18 October 2024.
4. McIntyre S, Goldsmith S, Day S, Reynolds RJ. Developing a causal diagram for cerebral palsy: a new worldwide multidisciplinary collaboration. Breakfast Seminar at the Australian Academy for Cerebral Palsy and Developmental Medicine bi-annual conference. (August 1, 2024)
5. Reynolds RJ. Network Centrality Analysis to Identify Structurally Important Factors in the Preliminary Cerebral Palsy Causal Diagram. Oral Presentation at the Australian Academy for Cerebral Palsy and Developmental Medicine bi-annual conference. *Winner: Cerebral Palsy Alliance Best Paper for Prevention and Cure.* (August 1, 2024)
6. McIntyre S, Himmelman K, Rackauskaite G, Goldsmith S, Dan B, Reynolds R, Day S. The development of a causal diagram for cerebral palsy: A study protocol for worldwide multidisciplinary collaboration. Presentation at the European Academy of Childhood Disability Annual Meeting (May 31, 2024). *EACD Best Poster Award – 3rd Place.*
7. Antonsen E, Reynolds RJ, Hyuhn KH, Arrellano J, Abukmail A, Van Baalen M. Network Analytic Approaches for HSRB DAG Development. Presentation at the 2024 NASA Human Research Program Investigators' Workshop (February 14, 2024).

8. Shahid A, Puukila S, Paul A, Mhatre S, Iyer J, Tahimic C, Sanders L, Reynolds RJ, Ronca A, Alwood J. Integrated Analysis for the CBS VNSCOR Studies. Poster at the 2024 NASA Human Research Program Investigators' Workshop (February 14, 2024)
9. Reynolds RJ, Huynh KH, Arellano J, Abukmail A, Van Baalen M, Antontensen EL Buckland D. Network Science for Human Systems Risks: From Insight to Action on Risk of Renal Stone Formation. Poster at the American Society for Gravitational and Space Research Annual Meeting (November 14-18, 2023).
10. Doan J, Campbell J, Huynh B, Ma S, Martin S, Rehm M, Wolff C, Sanders LM, Scott RT, Reynolds RJ. Machine learning for the validation of expert-elicited causal risk diagrams. Poster at the American Society for Gravitational and Space Research Annual Meeting (November 14-18, 2023).
11. Shadid A, Puukila S, Paul AM, Mhatre S, Iyer J, Tahimic C, Sanders L Reynolds RJ, Ronca AE Alwood JS. Assessing Human System Risks in Spaceflight: A Causal Modeling Approach. Poster at the American Society for Gravitational and Space Research Annual Meeting (November 14-18, 2023).
12. Butler JL, Blattnig S, Huff JL, Norman RB, Patel ZS, Reynolds RJ, Flynn-Evans E. An Approach to Quantitative Risk Assessment for Combined Radiation and Spaceflight Hazards: Preliminary Findings of the Potential Impact of Sleep Durations on Space Crew Cardiovascular Health. Poster at the American Society for Gravitational and Space Research Annual Meeting (November 14-18, 2023).
13. Reynolds RJ, Day SM, et al. The development of a causal diagram for cerebral palsy. Symposium at the 77th Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine. (September 11-13, 2023).
14. Faraj M, Reynolds R, Abukmail A, Antonsen E. Use of calculated risks based on Direct Acyclic Graph path analysis to reduce NASA's Human System Risk Board of Renal Stone Risk from Red to Yellow. Poster at the 2023 Aerospace Medical Association Annual Meeting (May 21-25, 2023).
15. Svornonos A, Lambert T, Reynolds R, Antonsen E. Development of a Directed Acyclic Graph for Venous Thromboembolism during Spaceflight. Poster at the 2023 Aerospace Medical Association Annual Meeting (May 21-25, 2023).
16. Shelhamer M, Antonsen E, Reynolds R. The need for a systems approach in spaceflight health and medicine. Presented at the 2023 IEEE Aerospace Conference (March 4-11, 2023).
17. Antonsen EL, Reynolds RJ, Connell E, Scully R, Abukmail A, Monti A, Charvat J, Van Baalen M, Buckland D. Human System Risk Communication: Directed Acyclic Graphs. Poster at the NASA Human Research Program Investigators' Workshop (February 7, 2023)
18. Kanikkanan L, Reynolds RJ. Smoke 'em if you got 'em: Estimating Astronaut Mortality Risk due to Smoking without Smoking Status. Presented at The American Society for Gravitational and Space Research (November 9-12, 2022).

19. Reynolds RJ, Scott RT, Antonsen EL, Sanders L, Costes S. Using archived data to support biomedical risk management in space flight. Presented at The American Society for Gravitational and Space Research (November 9-12, 2022).
20. Kanikkannan L, Reynolds RJ. An Exploration of US Extravehicular Activities using Unsupervised Machine Learning Methods. Presented at The American Society for Gravitational and Space Research (November 9-12, 2022).
21. Butler JL, Reynolds RJ, Blattnig S, Norman RB, Flynn-Evans E, Patel ZS, Huff JL. An Approach to Quantitative Risk Assessment for Combined Spaceflight Hazards: Evaluating the Impact of Short Sleep Durations on Space Crew Cardiovascular Health. Presented at The American Society for Gravitational and Space Research (November 9-12, 2022).
22. Reynolds R, Antonsen E, van Baalen M, Buckland D. Development of a Causal Risk Network for the Management of Human System Risks in Space Flight. Presentation at the 44th COSPAR Scientific Assembly (July 16-24, 2022).
23. Antonsen EL, Reynolds RJ, Anton W, Connell E, Abukmail AA, Marotta K, Charvat JM, Peterson DK, Buckland DM. Directed Acyclic Graph Development for Risk Management. Presentation at the 2022 NASA Human Research Program Investigators' Workshop (February 8, 2022).
24. Reynolds RJ, Kanikannan L, VanBaalen M. Watching without seeing: A tool to surveil astronaut health outcomes while maintaining astronaut medical privacy. Presentation at the 2022 NASA Human Research Program Investigators' Workshop (February 8, 2022).
25. Arquilla K. Zero M. Hauber K. Reynolds R. Shelhamer M. Klaus D. Fanchiang C. Discriminating between cognitive vs physical workload and tasks vs. rest using the ECG signal. Presentation at the 2022 NASA Human Research Program Investigators' Workshop (February 9, 2022).
26. Zero M. Klaus D. Hauber K. Arquilla K. Reynolds R. Shelhamer M. Fanchiang C. Investigating correlations between biomeasures and task performance for predictive capabilities. Presentation at the 2022 NASA Human Research Program Investigators' Workshop (February 9, 2022).
27. Fanchiang C. Zero M. Klaus D. Shelhamer M. Hauber K. Arquilla K. Reynolds R. HCAAM: Using a human capabilities framework to quantify crew task performance in human-robotic systems - Year 3. Presentation at the 2022 NASA Human Research Program Investigators' Workshop (February 9, 2022).
28. Reynolds RJ. Cosmic radiation and the mortality of air crews and astronauts. Invited presentation at the NCRP 2021 Annual Meeting (April, 2021).
29. Reynolds RJ, Shelhamer M. A Latent Variable Analysis of the Role of Dehydration on Weight Loss and Blood Composition in Project Mercury. Presentation at the 32nd NASA Human Research Program Investigators' Workshop (February 2-4, 2021).
30. Kanikkannan L, Reynolds R. Unsupervised Machine Learning Methods for the Analysis of Extravehicular Activity. Poster presentation at the Rice University Ken Kennedy Institute Data Science Conference (October 26-28, 2020).

31. Reynolds RJ. Data and Analytics for Human Health at NASA. Invited presentation at the American Institute Chemical Engineers (AICHE) Annual 2020 Spring Meeting & 16th Global Congress on Process Safety (August 18, 2020).
32. Reynolds R, Day S. Using Bayesian estimation to quantify the risks of spaceflight. Presentation at the 31st NASA Human Research Program Investigators' Workshop (January 28, 2020).
33. Reynolds R, Day S. Smoking and mortality among US astronauts. Poster at the 31st NASA Human Research Program Investigators' Workshop (January 27, 2020).
34. Reynolds R, Mireles J. An introduction to network graphs and the case for virtual reality. Poster at the 31st NASA Human Research Program Investigators' Workshop (January 27, 2020).
35. Reynolds R. Panel participant for panel "Medicine: Digital Evolution and Cross Industry Implications." SPACECOM 2019 (November 20, 2019).
36. Reynolds RJ. Unsupervised Machine Learning. Presentation at the Houston Technology Collaboration Center's Data Analytics Workshop (August 21, 2019).
37. Reynolds RJ, Day SM. Is there such a thing as ignorable positivity? Natural-cause mortality among US astronauts and Russian cosmonauts. Poster to be presented at the 52nd Society for Epidemiologic Research (SER) annual meeting (June 18, 2019).
38. Reynolds RJ. Space radiation and astronaut mortality: examining the evidence. Invited presentation given at the Space Radiation Investigators' Workshop at the 30th NASA Human Research Program Investigators' Workshop. Galveston, TX, January 25, 2019.
39. Reynolds RJ, Day SM. Comparing machine-learned and diagnosis-driven groupings of children in the 2011 National Survey of Children's Health. Poster presented at the 72nd Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, October 11, 2018: Cincinnati, Ohio.
40. Day SM, Reynolds RJ. (2018) Mortality related to cerebral palsy in the United States: Analysis of multiple causes of death and comparison with deaths in the general population from 2005 to 2014. Poster presented at the 31st Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER), June 18, 2018.
41. Reynolds RJ, Day SM. Competing Risks Survival Bias Among U.S. Astronauts. Poster presented at the 51st Society for Epidemiologic Research, June 20, 2018: Baltimore, MD.
42. Crader S, Gongaware Z, McDonald R, Miller M, Reynolds RJ. A method for the creation of inpatient event files from medical claims data. Poster presented at the Healthcare Data and Analytics Association (HDAA) annual meeting, November 7-9, 2017: Cleveland, Ohio.
43. Reynolds R, Kush S, Day S. Using machine learning to identify diagnostic profiles for children with cerebral palsy and other developmental disabilities in the 2011–2012 National Survey of Children's Health. Free paper presented at the 71st Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, September 13–16, 2017: Montreal, Quebec, Canada.

44. Reynolds RJ, Day SM, Shafer A, Becker E. Cancer incidence among substance users in the public substance abuse treatment programs of the state of Texas. Poster presented at the 50th Annual Meeting of the Society for Epidemiologic Research, June 20-23, 2017: Seattle, Washington.

45. Reynolds RJ, Miller M. A machine learning approach to analyzing avoidable ED visits. Presentation at the Oregon Health Authority Innovation Café (May 9, 2017).

46. Day SM, Reynolds RJ, Kush SJ. What can a telephone survey tell us about the health and well-being of children with cerebral palsy and other developmental disabilities? Findings of the US 2011–2012 National Survey of Children's Health. Free paper presented at the Seventieth annual meeting of the American Academy for Cerebral Palsy and Developmental Medicine, September 23, 2016: Hollywood, Florida.

47. Reynolds RJ. Clinical Interventions Leading to Real Savings. Invited presentation at the 2nd Annual Predictive Modeling for Health Plans conference (July 29, 2016).

48. Reynolds R, Day S, Hakenewerth A, Becker E, Shafer A. A simulation method for estimating incidence rates when information on censoring due to death is missing. Poster presented at the 2016 Epidemiology Congress of the Americas, June 21-24, 2016: Miami, Florida.

49. Reynolds RJ. Predictive modeling in healthcare analytics: Beyond modeling and mining. Presentation at the Predictive Modeling for Health Plans conference, August 18-19, 2015: San Francisco, California.

50. Reynolds RJ, Day SM. The mortality of NBA basketball players 1949-2011: Are there racial disparities? Poster presented at the 48th Annual Meeting of the Society for Epidemiological Research, June 16-19, 2015: Denver, Colorado.

51. Reynolds RJ, Day SM. Longevity of Fashion Models, 1921-2012. Poster presented at the 48th Annual Meeting of the Society for Epidemiological Research, June 16-19, 2015: Denver, Colorado.

52. Thygeson NM, Reynolds RJ, Bedington T. Using Social Network Analysis to Analyze and Enhance Provider Networks. Presentation at the BlueCross BlueShield National Assocation 2015 Summit: Phoenix, Arizona.

53. Reynolds RJ, Day SM, Kush SJ. Life expectancy in cerebral palsy: methods for clinicians. Instructional Course presented at the Sixty-Eighth annual meeting of the American Academy for Cerebral Palsy and Developmental Medicine, September 13, 2014: San Diego, California.

54. Reynolds RJ, Rahbar MH, Delclos GL, Cooper SP. Construction of a location-exposure matrix for ionizing radiation in low earth orbit. Poster presented at the 47th Annual Meeting of the Society for Epidemiologic Research, June 24, 2014: Seattle, Washington.

55. Reynolds RJ, Delclos GL, Rahbar MH, Cooper SP. Ionizing radiation from extraterrestrial environments and the risk of death from cancer and all natural causes among US astronauts, 1959-2011. Poster presented at the 47th Annual Meeting of the Society for Epidemiologic Research, June 24, 2014: Seattle, Washington.

56. Reynolds RJ, Day SM, Nurgalieva ZZ. Mortality and causes of death for Russian and Soviet Cosmonauts, 1960-2013. Poster presented at the 47th Annual Meeting of the Society for Epidemiologic Research, June 24, 2014: Seattle, Washington.
57. Day SM, Kush SJ, Reynolds RJ. Evidence-based calculations of life expectancy of children and adults with cerebral palsy and other developmental disabilities. Breakfast Seminar presented at the Sixty-Seventh Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, October 19, 2013: Milwaukee, Wisconsin.
58. Day SM, Reynolds RJ. Variations in and uses of life expectancies reported by United States Government agencies. Poster at the 45th Society for Epidemiologic Research Annual Meeting, June 29, 2012: Minneapolis, Minnesota.
59. Reynolds RJ. Mortality among the seriously mentally ill in Texas, 2006-2008. Presentation at the 88th Annual Education Conference of the Texas Public Health Association, March 22, 2012: Arlington, Texas.
60. Valenzuela JO, Irarrazaval ME, Fasce G, Marin L, Palos G, Mendoza, TR, Gning I, Reynolds R, Wang XS and Cleeland CS (2011). Psychometric validation of the Spanish version of the MD Anderson Symptom Inventory (MDASI-Sp): Multiple symptom assessment in cancer patients. Poster at the Cancer Prevention & Research Institute of Texas (CPRIT) Second Innovations in Cancer Prevention and Research conference, November 15-17, 2011: Austin, Texas.
61. Reynolds RJ, Davis RE, Fayad LE, Hess MA, Neelapu SA, Kwak LW. Development of a comprehensive research database for Hodgkin's and Non-Hodgkin's Lymphomas at The MD Anderson Cancer Center. Poster at the 2nd Annual Memorial Hermann Advances in Oncology – From Clinical Science to Clinical Practice conference, November 11, 2011: Houston, Texas.
62. Reynolds RJ, Day SM. Comparative Mortality of Major League Baseball Players by National Origin. Poster at 3rd North American Congress of Epidemiology, June 23, 2011: Montreal, Quebec, Canada.
63. Wang XS, Fogelman D, Eng C, Glover K, Malekifar M, Reynolds R, Shah N, Mendoza T, Dougherty PM, Cleeland CS. Prospective study of paraesthetic neurotoxicity from Oxaliplatin-based regimens in the treatment of colorectal cancer. Poster at the MD Anderson Division of Internal Medicine Annual Research Retreat, May 2010: Houston, Texas.
64. Hunt G, Oakeshott P, Strauss D, Reynolds R. An Independent Review of Mortality in Open Spina Bifida to the Age of 40 Years. Poster presentation at The Society for Research into Spina Bifida and Hydrocephalus annual meeting, Barcelona.
65. Voloudakis M, Reynolds R. Getting a foot-in-the-door and keeping it there: The sequential request strategy as a method to increase health survey participation over time. Poster during the 131st Annual Meeting of American Public Health Association, November 15-19, 2003: San Francisco, California.
66. Havassey B, Alvidrez J, Owen K, Reynolds R, Nebel M. Preliminary evaluation findings for San Francisco County MIOCR-I. Presentation at the California Board of Corrections

Mentally Ill Offenders Crime Reduction Project annual meeting, March 2002: Sacramento, California.

67. Reynolds R. Diabetes on the US-Mexico border: Yuma school surveys. Presentation at the 4th Arizona College of Public Health Internship Conference, University of Arizona College of Public Health (Master's internship presentation), 2001: Tucson, Arizona.
68. Reynolds R, Heddens DK. Multiple needles in multiple haystacks: Sampling strategies and statistical hypothesis testing for negative predictive value in cancer clinical trials. Invited presentation at the Cancer Prevention and Control Seminar Series, Arizona Cancer Center, University of Arizona, 2001: Tucson, Arizona.
69. Reynolds R, Heddens DK. Multiply or divide: Stratification vs. interaction terms in logistic regression models. Poster and presentation at the Epidemiology in Arizona Forum, University of Arizona (competitively selected), 2001: Tucson, Arizona.
70. Reynolds R, Voloudakis M, Willey J. Perception and behavior in response to pro-tobacco advertising on a college campus. Poster at the Society for Research on Nicotine and Tobacco (SRNT) Annual Conference, February 2000: Washington, DC.
71. Lee H, Ranger-Moore J, Reynolds R, Leischow S. A needs assessment on evaluation for Arizona's Tobacco Education and Prevention Program. Poster presentation at the Society for Research on Nicotine and Tobacco Annual Conference, February 1999: San Diego, California.

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