
CURRICULUM VITAE
Alexander Turchin, MD, MS
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EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
New York University, New York, NY	B.A.	1995	Biology
Johns Hopkins School of Medicine, Baltimore,	M.D.	1999	Medicine
Massachusetts Institute of Technology, Boston,	M.S.	2005	Medical Informatics

Academic Appointments

2005 - 2007 Instructor in Medicine, Harvard Medical School
2007 - 2014 Assistant Professor of Medicine, Harvard Medical School
2014 - Associate Professor of Medicine, Harvard Medical School

Hospital Appointments

1999-2002 Intern / Resident in Medicine, New England Medical Center, Boston, MA.
2002-2005 Clinical Fellow in Endocrinology, Brigham and Women's Hospital, Boston, MA.
2003-2005 Fellow in Medical Informatics, Children's Hospital, Boston, MA
2005-2016 Senior Medical Informatician, Partners HealthCare System, Inc.
2005- Associate Physician, Brigham and Women's Hospital, Boston, MA
2009- Director of Informatics Research, Division of Endocrinology, Brigham and Women's Hospital
2014-2019 Director of Clinical Informatics, Baim Institute for Clinical Research, Boston, MA
2014-2017 Associate Director of Quality in Diabetes, Brigham and Women's Hospital, Boston, MA
2017- Director of Quality in Diabetes, Brigham and Women's Hospital, Boston, MA
2021-2026 Director of Quality, Division of Endocrinology, Brigham and Women's Hospital

Licensure and Certifications

2001 Massachusetts Board of Registration in Medicine
2012 Certified in Internal Medicine, American Board of Internal Medicine
2014 Certified in Endocrinology, American Board of Internal Medicine

Other Experience and Professional Memberships

Major Committee Assignments

2008-2013 Partners Diabetes Council
2008-2014 Chair, Diabetes Subcommittee of the Brigham and Women's Hospital P/T Committee
2009-2016 Advisory Committee, Health Information Technology (HIT) Interest Group of AcademyHealth
2012-2013 Vice Chair, Advisory Committee, HIT Interest Group of AcademyHealth
2013-2015 Chair, Advisory Committee, HIT Interest Group of AcademyHealth
2012 ADA 2013 Scientific Sessions Healthcare Delivery & Economics Subcommittee
2013 Chair, AcademyHealth 2013 Student Poster Review Committee
2013-2014 ONC Health IT Policy Committee Quality Measure Workgroup
2014-2022 Quality Improvement Subcommittee, The Endocrine Society
2015 AMIA 2015 Scientific Program Committee
2016-2023 Research Information Technology Advisory Board, Brigham & Women's Hospital
2016-2020 Health Information Technology Research (HITR) Study Section, AHRQ
2018 AMIA 2018 Scientific Program Committee
2018-2020 Membership Advisory Board, American Diabetes Association
2018-2024 Methods and Data Council, AcademyHealth
2018-2023 Founding Chair / Immediate Past Chair, HealthCare Delivery and Quality Improvement Interest Group, American Diabetes Association

Principal Investigator/Program Director (Last, First, Middle): Turchin, Alexander

2022-2024	Senior Faculty Representative, Brigham Research Institute Research Oversight Committee
2022-2025	Research Affairs Core Committee, The Endocrine Society
2023-2025	Editorial Board, Scientific Reports
2023-2024	Medical Lead, Overcoming Therapeutic Inertia Initiative, American Diabetes Association
2024-2025	Medical Lead, Know Diabetes by Heart, American Diabetes Association
2024-present	Digital Research Technology Workgroup, Mass General Brigham
2025-	Associate Editor, Diabetes, Obesity and Cardiometabolic CARE
2026-	Co-Chair, Research Affairs Core Committee, The Endocrine Society

Professional Memberships

1999-present	Member, American Medical Informatics Association
2002-present	Member, The Endocrine Society
2004-present	Member, American Diabetes Association
2008-present	Member, AcademyHealth

Honors

1995	Wortis Biological Prize
1995	Caducean Premedical Award
1995	Albert Borgman/Phi Beta Kappa Thesis Prize (best honors thesis in sciences)
1995	Founders Day Representative for Honors Scholars (given to the top student in graduating class)
2005	International Aldosterone Conference Young Investigator Award finalist
2009	eHealth Developers Summit "Best eHealth Research Paper of 2005" finalist
2010	AMIA Annual Symposium Distinguished Paper Award (First Author)
2011	AMIA Annual Symposium Distinguished Paper Award (Senior Author)
2014	Fellow, American College of Medical Informatics
2019	Finalist, Boston Scientific Connected Patient Challenge IV (Control:Diabetes smartphone app)
2019	Finalist, Digital Diabetes Congress 2019 Mobile App Contest (Control:Diabetes smartphone app)
2021-23	Top Doctor, Boston Magazine
2022	Outstanding Abstract Award, ENDO 2022 (Senior Author)

A. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

1. **Turchin, A.** and Hsu, E. (1996) The Generation of Antibody Diversity in the Turtle. *J Immunol*, 156:3797-805, 1996.
2. **Turchin, A.**, and Lawler, J.F. (1999) The Primer Generator: A program that facilitates the selection of oligonucleotides for site-directed mutagenesis. *Biotechniques*, 26:660-668, 1999.
3. **Turchin, A.**, and Lehmann, C.U. (1999) Active Learning Centre: Utilization Patterns of an Interactive Educational World Wide Web Site. *Proc AMIA Symp 1999*; 627-631.
4. **Turchin A**, Radentz SS, Burke A. Situs Inversus Totalis and Single Coronary Ostium: a Coincidence or a Pattern? (2000) *Cardiovascular Pathology*; 9:127-129.
5. **Turchin, A.**, Lehmann H.P., Flexner, C.W., Hendrix, C.W., Shatzer, J.H., Merz, W.G. (2000) Active Learning Centre: Potential uses and efficacy of an interactive Internet-based teaching tool. *Medical Teacher*, 22(3), 271-5.
6. **Turchin, A.**, and Lehmann C.U. (2000) Active Learning Centre: Design and Evaluation of an Educational World Wide Web Site. *Medical Informatics and Internet in Medicine*, 25(3), 195-206.
7. Basaria S, **Turchin A**, Krasner A. Apoplexy in a recurrent pituitary adenoma. (2001) *Postgrad Med J*; 77:23.
8. **Turchin A** and Kohane IS. (2002) Gene Homology Resources on the World Wide Web. *Physiological Genomics*, 11: 179-182.
9. **Turchin A**, Seifter JL, and Seely EW. (2003) Mind the Gap. *The New England Journal of Medicine*, 349(15): 1465-1469.
10. **Turchin A**, Wiebe DA, Seely EW, Graham T, Longo W, and Soiffer R. (2005) Severe Hypercholesterolemia Mediated by Lipoprotein X in Patients with Chronic Graft-Versus-Host Disease of the Liver. *Bone Marrow Transplantation*, 35(1): 85-9.

11. **Turchin A**, Kohane IS, Pendergrass ML. (2005) Identification of patients with diabetes from the text of physician notes in the electronic medical record. *Diabetes Care*, 28(7): 1794-5.
12. **Turchin A**, Pendergrass ML, Kohane IS. (2005) DITTO – a Tool for Identification of Patient Cohorts from the Text of Physician Notes in the Electronic Medical Record. *Proc AMIA Symp 2005*; 744-8. PMID: PMC1560516.
13. **Turchin A**, Guo C, Adler GK, Ricchiuti V, Kohane IS, Williams GH. (2006) Effect of Acute Aldosterone Administration on Gene Expression Profile in the Heart. *Endocrinology*, 147(7): 3183-9.
14. **Turchin A**, Kolatkar NS, Grant RW, Makhni EC, Pendergrass ML, Einbinder JS. (2006) Using Regular Expressions to Abstract Blood Pressure and Treatment Intensification Information from the Text of Physician Notes. *JAMIA*, 13(6): 691-695.
15. Poon EG, Blumenfeld B, Hamann C, **Turchin A**, Graydon-Baker E, McCarthy PC, Poikonen J, Mar P, Schnipper JL, Hallisey RK, Smith S, McCormack C, Paterno M, Coley CM, Karson A, Chueh HC, Van Putten C, Millar SG, Clapp M, Bhan I, Meyer GS, Gandhi TK, Broverman CA. (2006) Design and Implementation of an Application and Associated Services to Support Interdisciplinary Medication Reconciliation Efforts at an Integrated Healthcare Delivery Network. *JAMIA* 13:581-592.
16. **Turchin A**, Kolatkar NS, Pendergrass ML, Kohane IS. (2007) Computational Analysis of Non-Adherence and Non-Attendance Using the Text of Narrative Physician Notes in the Electronic Medical Record. *Medical Informatics and Internet in Medicine*, 32 (2): 93 - 102.
17. **Turchin A**, Shubina M, Pendergrass ML. (2007) Relationship of Physician Volume to Process Measures and Outcomes in Diabetes. *Diabetes Care*, 30 (6): 1442 - 1447.
18. **Turchin A**. (2007) Is clinical inertia a common barrier to patient care in type 2 diabetes mellitus? *Nature Clinical Practice Endocrinology and Metabolism*, 3 (6): 452-453.
19. **Turchin A**, Chu JT, Shubina M, Einbinder JS. (2007) Identification of Misspelled Words without a Comprehensive Dictionary Using Prevalence Analysis. *Proc AMIA Symp 2007*: 751-5. PMID: PMC2813663.
20. **Turchin A**, Gandhi TK, Coley CM, Shubina M, Broverman C. (2007) The Use of Electronic Medication Reconciliation to Establish the Predictors of Validity of Computerized Medication Records. *Proc MedInfo 2007*, 12 (Pt 2): 1022-1026.
21. Matheny ME, Shubina M, Kimmel Z, Pendergrass ML, **Turchin A**. (2008) Treatment Intensification and Blood Glucose Control among Hospitalized Diabetic Patients. *Journal of General Internal Medicine*, 23(2): 184-9.
22. **Turchin A**, Shubina M, Chodos AH, Einbinder JS, Pendergrass ML. (2008) Effect of Board Certification on Anti-Hypertensive Treatment Intensification in Patients with Diabetes. *Circulation*, 117(5): 623-8.
23. **Turchin A**, Hamann C, Schnipper JS, Graydon-Baker E, Millar SG, McCarthy PC, Coley CM, Gandhi TK, Broverman CA. (2008) Evaluation of an Inpatient Computerized Medication Reconciliation System. *JAMIA*, 15(4): 449-52.
24. Pippins JR, Gandhi TK, Hamann C, Ndumele CD, Labonville SA, Diedrichsen EK, Carty MG, Karson AS, Bhan I, Coley CM, Liang CL, **Turchin A**, McCarthy PC, Schnipper JL. (2008) Classifying and predicting errors of inpatient medication reconciliation. *J Gen Internal Medicine*; 23:1414.
25. **Turchin A**, Wheeler HI, Labreche M, Chu JT, Pendergrass ML, Einbinder JS. (2008) Identification of Documented Medication Non-Adherence in Physician Notes. *Proc AMIA Symp 2008*; 732-6.
26. Breydo E, Chu JT, **Turchin A**. (2008) Identification of Inactive Medications in Narrative Medical Text. *Proc AMIA Symp 2008*; 66-70.
27. Goldberg SI, Niemierko A, **Turchin A**. (2008) Analysis of Data Errors in Clinical Research Databases. *Proc AMIA Symp 2008*; 242-6. PMID: PMC2656002.
28. **Turchin A**. (2008) Poor outcomes in diabetes care: is medication non-adherence or lack of treatment intensification to blame? *Nature Clinical Practice Endocrinology and Metabolism*; 4(10): 536-7.
29. Schnipper JL, Hamann C, Ndumele CD, Liang CL, Carty MG, Karson AS, Bhan I, Coley CM, Poon E, **Turchin A**, Labonville SA, Diedrichsen ED, Lipsitz S, Broverman CA, McCarthy P, Gandhi TK. (2009) Effect of an electronic medication reconciliation application and process redesign on potential adverse drug events: a cluster-randomized trial. *Archives of Internal Medicine*; 169:771-780.
30. **Turchin A**, Shubina M, Breydo E, Pendergrass ML, Einbinder JS. (2009) Comparison of Information Content of Structured and Narrative Text Data Sources on the Example of Medication Intensification. *JAMIA*; 16:362-370. PMID: PMC2732236.

31. Cole A, Nathan DM, Savaria-Porter E, Copeland P, **Turchin A**, Brunt M, Zusman R, Barrett JA, Wexler D, Case E, McMahon GT, Mort E. (2009) An algorithm for the care of type 2 diabetes. *Critical Pathways in Cardiology*; 8:156-165.
32. **Turchin A**, Matheny ME, Shubina M, Scanlon J, Greenwood B, Pendergrass ML (2009). Hypoglycemia and Clinical Outcomes in Patients with Diabetes Hospitalized on the General Ward. *Diabetes Care*; 32:1153-1157. PMID: PMC2699723.
33. Rose SA, **Turchin A**, Grant RW, Meigs JB. (2009) Documentation of body mass index and control of associated risk factors in a large primary care network. *BMC Health Services Research*; 9:236.
34. **Turchin A**, Goldberg SI, Shubina M, Einbinder JS, Conlin PR. (2010) Encounter Frequency and Blood Pressure in Hypertensive Patients with Diabetes Mellitus. *Hypertension*; 56:68-74. PMID: PMC3752696.
35. Palchuk MB, Fang EA, Cygielnik JM, Labreche M, Shubina M, Ramelson HZ, Hamann C, Broverman C, Einbinder JS, **Turchin A**. (2010) An Unintended Consequence of Electronic Prescriptions: Prevalence and Impact of Internal Discrepancies. *JAMIA*; 17:472-476. PMID: PMC2995649.
36. Kramer MH, Breydo E, Shubina M, Babcock K, Einbinder JS, **Turchin A**. (2010) Prevalence and factors affecting home blood pressure documentation in routine clinical care: a retrospective study. *BMC Health Services Research*; 10:139.
37. Goldberg SI, Shubina M, Niemierko A, **Turchin A**. (2010) A Weighty Problem: Identification, Characteristics and Risk Factors for Errors in EMR Data. *Proc AMIA Symp 2010*; 251-5. PMID: PMC3041371.
38. **Turchin A**, Shubina M, Murphy SN. (2010) I am not Dead Yet: Identification of False-Positive Matches to Death Master File. *Proc AMIA Symp 2010*; 807-11. PMID: PMC3041274.
39. Desai SP, **Turchin A**, Szent-Gyorgyi LE, Weinblatt M, Coblyn J, Solomon DH, and Kachalia A. (2010) Routinely measuring and reporting pneumococcal vaccination among immunosuppressed rheumatology outpatients: the first step in improving quality. *Rheumatology (Oxford)* 50(2):366-72. PMID: PMC3021950.
40. Goldberg SI, Niemierko A, Shubina M, **Turchin A**. (2010) "Summary Page": a novel tool that reduces omitted data in research databases. *BMC Medical Research Methodology* 10:91.
41. **Turchin A**, Conlin PR. (2010) The doctor needs to see you now: accelerating the care of patients with uncontrolled hypertension. *Expert Rev Cardiovasc Ther* 8:1501-3.
42. **Turchin A**, James OD, Godlewski ED, Shubina M, Coley CM, Gandhi TK, Broverman C. Effectiveness of Interruptive Alerts in Increasing Application Functionality Utilization: a Controlled Trial. (2011) *Journal of Biomedical Informatics*; 44(3):463-8.
43. Szent-Gyorgyi LE, Coblyn J, **Turchin A**, Loscalzo J, Kachalia A. (2011) Building a Departmental Quality Program: a Patient-Based and Provider-Led Approach. *Academic Medicine* 86(3):314-320.
44. **Turchin A**, Goldberg SI, Breydo E, Shubina M, Einbinder JS. (2011) Copy-Paste Documentation of Lifestyle Counseling and Glycemic Control in Patients with Diabetes: True to Form? *Archives of Internal Medicine*; 171(15):1393-4. PMID: PMC3711116.
45. Schnipper JL, Liang CL, Hamann C, Karson AS, Palchuk MB, McCarthy PC, Sherlock M, **Turchin A**, Bates DW. (2011) Development of a tool within the electronic medical record to facilitate medication reconciliation after hospital discharge. *JAMIA* 18(3):309-13.
46. Morrison F, Shubina M, **Turchin A**. (2011) Encounter Frequency and Blood Glucose, Blood Pressure and Cholesterol Control in Patients with Diabetes. *Archives of Internal Medicine*; 171(17):1542-50. PMID: PMC3692291.
47. **Turchin A**, Shubina M, Goldberg SI. (2011) Unexpected Effects of Unintended Consequences: EMR Prescription Discrepancies and Hemorrhage in Patients on Warfarin. *Proc AMIA Symp 2011*; 1412-1417.
48. Skentzos S, Shubina M, Plutzky J, **Turchin A**. (2011) Structured vs. Unstructured: Factors Affecting Adverse Drug Reaction Documentation in an EMR Repository; *Proc AMIA Symp 2011*; 1270-9. PMID: PMC3243255.
49. Pojoga L, Coutinho P, Rivera A, Yao TM, Maldonado ER, Youte R, Adler GK, Williams J, **Turchin A**, Williams GH, Romero JR. (2012) Activation of the mineralocorticoid receptor increases striatin levels. *American Journal of Hypertension*; 25(2):243-9.
50. Morrison F, Shubina M, **Turchin A**. (2012) Lifestyle Counseling in Routine Care and Long-Term Glucose, Blood Pressure and Cholesterol Control in Patients with Diabetes. *Diabetes Care*; 35:334-341. PMID: PMC3263885.

51. Hebel E, Middleton B, Shubina M, **Turchin A**. (2012) Bridging the Chiasm: Effect of Health Information Exchange on Volume of Laboratory Testing. *Archives of Internal Medicine*; 172(6):517-9.
52. Desai SP, Lu B., Szent-Gyorgyi L, Bogdanova A, **Turchin A**, Weinblatt ME, Coblyn J, Greenberg JO, Kachalia A, Solomon DH. (2013) Increasing Pneumococcal Vaccination for Immunosuppressed Patients: A Cluster Quality Improvement Trial. *Arthritis & Rheumatism*; 65(1):39-47.
53. Breydo E, Shubina M, Shalaby JW, Einbinder JS, **Turchin A**. (2012) Lexical Concept Distribution Reflects Clinical Practice. *Proc AMIA Symp 2012*; 61-66.
54. Garg R, Hurwitz S, **Turchin A**, Trivedi A. (2013) Hypoglycemia, with or without Insulin Therapy, is Associated with Increased Mortality among Hospitalized Patients. *Diabetes Care*; 36(5): 1107-10.
55. Morrison F, Shubina M, Goldberg SI, **Turchin A**. (2013) Performance of Primary Care Physicians and Other Providers on Key Process Measures in the Treatment of Diabetes. *Diabetes Care*; 36(5): 1147-52. PMID: PMC3631881.
56. Greenberg JO, Vakharia N, Szent-Gyorgiy L, **Turchin A**, Forman J, Bonventre J, Kachalia A. (2013) Meaningful Measurement: Developing a Measurement System to Improve Blood Pressure Control in Patients with Chronic Kidney Disease. *JAMIA*; e-pub Jan 2013.
57. Nigwekar SU, Bhan I, **Turchin A**, Skentzos SC, Hajhosseiny R, Steele Jr D, Nazarian RM, Wenger J, Karumanchi SA, Thadhani R. (2013) Statin Use and Risk of Calcific Uremic Arteriolopathy. *American Journal of Nephrology*; 37(4):325-332.
58. Zhang H, Plutzky J, Skentzos S, Morrison F, Mar P, Shubina M, **Turchin A**. (2013) Discontinuation of statins in routine care settings. *Annals of Internal Medicine*; 158(7):526-34. PMID: PMC3692286.
59. Zhang M, Shubina M, Morrison F, **Turchin A**. (2013) Following the Money: Copy-Paste of Lifestyle Counseling Documentation and Provider Billing. *BMC Health Services Research*; 13:377. PMID: PMC3850686.
60. Kerfoot BP, **Turchin A**, Breydo E, Gagnon D, Conlin PR. (2014) An Online Spaced-Education Game Among Clinicians Improves Their Patients' Time to Blood Pressure Control: A Randomized Controlled Trial. *Circulation: Cardiovascular Quality and Outcomes*; 7(3):468-74.
61. Zhang H, Plutzky J, **Turchin A**. (2014) (Mis)interpreting studies on the adverse effects of statins. *BMJ*; Jun 11; 348:g3652.
62. Nigwekar SU, Solid CA, Ankers E, Malhotra R, Eggert W, **Turchin A**, Thadhani RI, Herzog CA. Quantifying a Rare Disease in Administrative Data: The Example of Calciphylaxis. (2014) *JGIM*; 29 (Supplement 3): S724-31.
63. Hamnvik OPR, Choueiri TK, **Turchin A**, McKay RR, Goyal L, Davis M, Kaymakcalan MD, Williams JS. (2014) Clinical risk factors for the development of hypertension in patients treated with inhibitors of the VEGF signaling pathway. *Cancer*; 121(2):311-9.
64. **Turchin A**, Sawarkar A, Dementieva YA, Breydo E, Ramelson H. (2014) Effect of EHR User Interface Changes on Internal Prescription Discrepancies. *Applied Clinical Informatics*; 5:708-720.
65. Underwood P, Seide J, Carbone K, Chamarthi B, **Turchin A**, Bader AM, Garg R. (2014) Early Identification of Individuals with Poorly Controlled Diabetes Undergoing Elective Surgery: Improving A1C Testing in the Pre-Operative Period. *Endocrine Practice*; 21(3):231-6.
66. Morrison F, Zhang H, Skentzos S, Shubina M, Bentley-Lewis R, **Turchin A**. (2014) Reasons for discontinuation of lipid-lowering medications in patients with chronic kidney disease. *CardioRenal Medicine*; 4(3-4):225-33. PMID: PMC4299285.
67. Xu W, Goldberg SI, Shubina M, **Turchin A**. (2015) Optimal systolic blood pressure target, time-to-intensification and time-to-follow-up in treatment of hypertension: a population-based retrospective cohort study. *BMJ*; 350:h158. PMID: PMC4353282.
68. Hosomura N, Goldberg SI, Shubina M, Zhang, M, **Turchin A**. (2015) Electronic Documentation of Lifestyle Counseling and Glycemic Control in Patients with Diabetes. *Diabetes Care*; 38(7):1326-32.
69. Xu W, Shubina M, Goldberg SI, **Turchin A**. (2015) Body Mass Index and All-Cause Mortality in Patients with Hypertension. *Obesity*; 23(8):1712-20.
70. Klann JG, Phillips LC, **Turchin A**, Weiler S, Mandl K, Murphy SN. (2015) A numerical similarity approach for using retired Current Procedural Terminology (CPT) codes for electronic phenotyping in the Scalable Collaborative infrastructure for a Learning Health System (SCILHS). *BMC Biomedical Informatics and Decision Making*; 15:104. PMID: PMC4676189.

71. Zhang H, Plutzky J, Shubina M, **Turchin A.** (2016) Drivers of the Sex Disparity in Statin Therapy in Patients with Coronary Artery Disease: a Cohort Study. *PLOS ONE*; <http://dx.doi.org/10.1371/journal.pone.0155228>
72. Lopez D, Luque-Fernandez MA, Steele A, Adler GK, **Turchin A,** Vaidya A. (2016) Non-Functional Adrenal Tumors and the Risk of Incident Diabetes and Cardiovascular Outcomes: a Cohort Study. *Annals of Internal Medicine*; 165(8):533-542.
73. Zhang H, Plutzky J, Shubina M, **Turchin A.** (2016) Risk factors for lack of statin therapy in patients with diabetes and coronary artery disease. *Journal of Clinical Lipidology*; 10(6):1406-1413.
74. Malmasi S, Sandor NL, Hosomura N, Goldberg M, Skentzos S, **Turchin A.** (2017) Canary: an NLP Platform for Clinicians and Researchers. *Applied Clinical Informatics*; 8(2):447-453.
75. Morrison FJR, Movassaghian M, Seely EW, Curran A, Shubina M, Morton-Eggleston E, Zera CA, Ecker JL, Brown FM, **Turchin A.** (2017) Fetal Outcomes after Diabetic Ketoacidosis during Pregnancy. *Diabetes Care*; 40(7): e77-e79.
76. Gehi AK, Doros G, Grunwald GK, Glorioso TJ, Hsu J, Song Y, Turakhia MP, **Turchin A,** Virani SS, Maddox TM. (2017) Factors associated with rhythm control treatment decisions in patients with atrial fibrillation – insights from the NCDS PINNACLE Registry. *American Heart Journal*; 187:88-97.
77. Katz DF, Maddox TM, Turakhia M, Gehi A, O'Brien EC, Lubitz SA, **Turchin A,** Doros G, Lie L, Varosy P, Marzec L, Hsu JC. (2017) Contemporary Trends in Oral Anticoagulant Prescription in Atrial Fibrillation Patients at Low to Moderate Risk of Stroke after Guideline-Recommended Change in Use of the CHADS₂ to the CHA₂DS₂-VASC Score for Thromboembolic Risk Assessment: Analysis from the National Cardiovascular Data Registry's Outpatient Practice Innovation and Clinical Excellence Atrial Fibrillation Registry. *Circ Cardiovasc Qual Outcomes* 10(5).
78. Garg R, Schuman B, Bader A, Hurwitz S, **Turchin A.** Underwood P, Metzger C, Rein R, Lortie M. (2018) Effect of Preoperative Diabetes Management on Glycemic Control and Clinical Outcomes after Elective Surgery. *Annals of Surgery*; 267(5):858-862.
79. Weber GM, Adams WG, Bernstam EV, Bickel JP, Fox KP, Marsolo K, Raghavan VA, **Turchin A,** Zhou X, Murphy SN, Mandl KD. (2017) Biases introduced by filtering electronic health records for patients with "complete data". *JAMIA*; 24(6):1134-1141.
80. Zhang H, Plutzky J, Shubina M, **Turchin A.** (2017) Continued Statin Prescriptions after Adverse Reactions and Patient Outcomes – a Cohort Study. *Annals of Internal Medicine*; 167(4):221-227.
81. Malmasi S, Hosomura N, Chang LS, Brown CJ, Skentzos S, **Turchin A.** (2017) Extracting Healthcare Quality Insights from Unstructured Data. *Proc AMIA Symp 2017*; 1243-1252.
82. Thompson LE, Maddox TM, Lei L, Grunwald GK, Bradley SM, Peterson PN, Masoudi FA, **Turchin A,** Song Y, Doros G, Davis MB, Daugherty SL. (2017) Sex Differences in the Use of Oral Anticoagulants for Atrial Fibrillation: A Report From the National Cardiovascular Data Registry (NCDR®) PINNACLE Registry. *J American Heart Association* 19;6(7).
83. Hosomura N, Malmasi S, Timerman D, Lei VJ, Zhang H, Chang L, **Turchin A.** (2017) Decline of insulin therapy and delays in insulin initiation in people with uncontrolled diabetes mellitus. *Diabetic Medicine*; 34(11):1599-1602.
84. McEvoy D, Gandhi T, **Turchin A,** Wright A. (2018) Enhancing problem list documentation in electronic health records using two methods: the example of prior splenectomy. *BMJ Quality and Safety*; 27(1):40-47.
85. Zhang H, Plutzky J, Ge W, Shubina M, **Turchin A.** (2018) Predictors of a successful statin reattempt after an adverse reaction. *Journal of Clinical Lipidology*; 12(3):643-651.
86. Rubin DJ, Recco D, **Turchin A,** Zhao H, Golden SH. (2018) External Validation of the Diabetes Early Readmission Risk Indicator (DERRI™). *Endocrine Practice*; 24(6):527-541.
87. **Turchin A,** Sosina O, Zhang H, Shubina M, Desai SP, Simonson DC, Testa MA. (2018) Ambulatory Medication Reconciliation and Frequency of Hospitalizations and Emergency Department Visits in Patients with Diabetes. *Diabetes Care*; 41(8):1639-1645.
88. Ge W, Huh JW, Park YR, Lee JH, Kim YH, **Turchin A.** (2018) An Interpretable ICU Mortality Prediction Model Based on Logistic Regression and Recurrent Neural Networks with LSTM Units. *Proc AMIA Symp 2018*; 460-469.
89. Ibrahim N, Gaggin HK, **Turchin A,** Patel HK, Song Y, Trebnick A, Doros G, Maya JF, Cannon CP, Januzzi JL. (2019) Heart Rate, Beta Blocker Use, and Outcomes of Heart Failure with Reduced Ejection Fraction. *European Heart Journal Cardiovascular Pharmacotherapy*; 5(1):3-11.

90. Figueroa JF, Blumenthal D, Feyman Y, Frakt A, **Turchin A**, Doros G, Gao Q, Song Y, Joynt-Maddox KE. (2019) Differences in Management of Coronary Artery Disease in Patients with Medicare Advantage vs. Traditional Fee-For-Service Medicare Among Outpatient Cardiology Practices in the PINNACLE Registry. *JAMA Cardiology*; 4(3):265-271.
91. Dobbins JM, Wixson Elliott S, Cordier T, Haugh G, Renda A, Happe L, **Turchin A**. (2019) Primary care provider encounter cadence and medication adherence, blood glucose and healthcare utilization in patients newly diagnosed with diabetes. *American Journal of Preventive Medicine*; 57(4): e95-e101.
92. Malmasi S, Ge W, Hosomura N, **Turchin A**. (2019) Comparison of Natural Language Processing Techniques in Analysis of Sparse Clinical Data: Insulin Decline by Patients. *AMIA Summit 2019*; 610-619.
93. Riddle MC, Blonde L, Gerstein HC, Gregg EW, Holman RR, Lachin JM, Nichols GA, **Turchin A**, Cefalu WT. (2019) Diabetes Care Editors' Expert Forum 2018: Managing Big Data for Diabetes Research and Care. *Diabetes Care* 42(6): 1136-1146.
94. Zhang H, Goldberg S, Hosomura N, Shubina M, Simonson D, Testa M, **Turchin A**. (2019) Lifestyle Counseling and Long-Term Clinical Outcomes in Patients with Diabetes. *Diabetes Care*; 42(9):1833-1836.
95. Florez L, Shubina M, **Turchin A**. (2019) Predictors of glycemic control after decline of insulin therapy by patients with type 2 diabetes. *Journal of Diabetes Complications*; 33(11):1074-18.
96. Malmasi M, Ge W, Hosomura N, **Turchin A**. (2019) Comparing information extraction techniques for low-prevalence concepts: The case of insulin rejection by patients. *Journal of Biomedical Informatics*; 99:103306.
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