

1. Zimet G, Dixon BE, Xiao S, Tu W, Kulkarni A, Dugan T, Sheley M, Downs SM. Simple and Elaborated Clinician Reminder Prompts for Human Papillomavirus Vaccination: A Randomized Clinical Trial. *Acad Pediatr*. 2018;18(2S):S66-S71. Epub 2018/03/06. doi: 10.1016/j.acap.2017.11.002. PubMed PMID: 29502640.
2. Honaker S, Dugan T, Daftary A, Davis S, Saha C, Baye F, Freeman E, Downs S. Unexplained Practice Variation in Primary Care Providers' Concern for Pediatric Obstructive Sleep Apnea. *Acad Pediatr*. 2018. Epub 2018/02/03. doi: 10.1016/j.acap.2018.01.011. PubMed PMID: 29391284.
3. Grout RW, Cheng ER, Carroll AE, Bauer NS, Downs SM. A six-year repeated evaluation of computerized clinical decision support system user acceptability. *International Journal of Medical Informatics*. 2018;112:74-81. doi: <https://doi.org/10.1016/j.ijmedinf.2018.01.011>.
4. Hannon TS, Dugan TM, Saha CK, McKee SJ, Downs SM, Carroll AE. Effectiveness of Computer Automation for the Diagnosis and Management of Childhood Type 2 Diabetes: A Randomized Clinical Trial. *JAMA Pediatr*. 2017;171(4):327-34. Epub 2017/02/14. doi: 10.1001/jamapediatrics.2016.4207. PubMed PMID: 28192551.
5. Etter DJ, McCord A, Ouyang F, Gilbert AL, Williams RL, Hall JA, Tu W, Downs SM, Aalsma MC. Suicide Screening in Primary Care: Use of an Electronic Screener to Assess Suicidality and Improve Provider Follow-Up for Adolescents. *J Adolesc Health*. 2017. Epub 2017/12/03. doi: 10.1016/j.jadohealth.2017.08.026. PubMed PMID: 29195764.
6. Dixon BE, Kasting ML, Wilson S, Kulkarni A, Zimet GD, Downs SM. Health care providers' perceptions of use and influence of clinical decision support reminders: qualitative study following a randomized trial to improve HPV vaccination rates. *Bmc Med Inform Decis*. 2017;17. doi: ARTN 119
10.1186/s12911-017-0521-6. PubMed PMID: WOS:000407635300002.
7. Bauer NS, Ofner S, Pottenger A, Carroll AE, Downs SM. Follow-up of Mothers with Suspected Postpartum Depression from Pediatrics Clinics. *Front Pediatr*. 2017;5:212. Epub 2017/10/19. doi: 10.3389/fped.2017.00212. PubMed PMID: 29043246; PMCID: PMC5632353.
8. Aalsma MC, Zerr AM, Etter DJ, Ouyang F, Gilbert AL, Williams RL, Hall JA, Downs SM. Physician Intervention to Positive Depression Screens Among Adolescents in Primary Care. *J Adolesc Health*. 2017. Epub 2017/11/28. doi: 10.1016/j.jadohealth.2017.08.023. PubMed PMID: 29174939.
9. Cheng ER, Bauer NS, Downs SM, Sanders LM. Parent Health Literacy, Depression, and Risk for Pediatric Injury. *Pediatrics*. 2016;138(1). Epub 2016/06/09. doi: 10.1542/peds.2016-0025. PubMed PMID: 27273749.
10. Bauer NS, Yoder R, Carroll AE, Downs SM. Racial/Ethnic Differences in the Prevalence of Anxiety Using the Vanderbilt ADHD Scale in a Diverse Community Outpatient Setting. *J Dev Behav Pediatr*. 2016;37(8):610-8. Epub 2016/08/20. doi: 10.1097/DBP.0000000000000330. PubMed PMID: 27541582; PMCID: PMC5039053.
11. Bauer NS, Carroll AE, Saha C, Downs SM. Experience with decision support system and comfort with topic predict clinicians' responses to alerts and reminders. *J Am Med Inform Assoc*. 2016;23(e1):e125-30. Epub 2015/11/15. doi: 10.1093/jamia/ocv148. PubMed PMID: 26567326; PMCID: PMC4954632.
12. Hendrix KS, Downs SM, Carroll AE. Pediatricians' responses to printed clinical reminders: does highlighting prompts improve responsiveness? *Acad Pediatr*. 2015;15(2):158-64. Epub 2015/01/27. doi: 10.1016/j.acap.2014.10.009. PubMed PMID: 25619917; PMCID: PMC4733362.
13. Gilbert AL, Downs SM. Medical legal partnership and health informatics impacting child health: Interprofessional innovations. *J Interprof Care*. 2015;29(6):564-9. Epub 2015/06/30. doi: 10.3109/13561820.2015.1029066. PubMed PMID: 26120893; PMCID: PMC5725761.
14. Dugan TM, Mukhopadhyay S, Carroll A, Downs S. Machine Learning Techniques for Prediction of Early Childhood Obesity. *Appl Clin Inform*. 2015;6(3):506-20. Epub 2015/10/09. doi: 10.4338/ACI-2015-03-RA-0036. PubMed PMID: 26448795; PMCID: PMC4586339.
15. Bauer NS, Carroll AE, Saha C, Downs SM. Computer Decision Support Changes Physician Practice But Not Knowledge Regarding Autism Spectrum Disorders. *Appl Clin Inform*. 2015;6(3):454-65. Epub 2015/10/09. doi: 10.4338/ACI-2014-09-RA-0084. PubMed PMID: 26448791; PMCID: PMC4586335.
16. Bauer NS, Anand V, Carroll AE, Downs SM. Secondhand smoke exposure, parental depressive symptoms and preschool behavioral outcomes. *J Pediatr Nurs*. 2015;30(1):227-35. Epub 2014/07/16. doi: 10.1016/j.pedn.2014.06.004. PubMed PMID: 25017291; PMCID: PMC4676075.

17. Anand V, McKee S, Dugan TM, Downs SM. Leveraging electronic tablets for general pediatric care: a pilot study. *Appl Clin Inform.* 2015;6(1):1-15. Epub 2015/04/08. doi: 10.4338/ACI-2014-09-RA-0071. PubMed PMID: 25848409; PMCID: PMC4377556.
18. Anand V, Carroll AE, Biondich PG, Dugan TM, Downs SM. Pediatric decision support using adapted Arden Syntax. *Artif Intell Med.* 2015. Epub 2015/11/09. doi: 10.1016/j.artmed.2015.09.006. PubMed PMID: 26547523; PMCID: PMC4818208.
19. Hendrix KS, Carroll AE, Downs SM. Screen exposure and body mass index status in 2- to 11-year-old children. *Clin Pediatr (Phila).* 2014;53(6):593-600. Epub 2014/03/19. doi: 10.1177/0009922814526973. PubMed PMID: 24634433.
20. Carroll AE, Bauer NS, Dugan TM, Anand V, Saha C, Downs SM. Use of a computerized decision aid for developmental surveillance and screening: a randomized clinical trial. *JAMA Pediatr.* 2014;168(9):815-21. Epub 2014/07/16. doi: 10.1001/jamapediatrics.2014.464. PubMed PMID: 25022724.
21. Bennett WE, Jr., Hendrix KS, Thompson-Fleming RT, Downs SM, Carroll AE. Early cow's milk introduction is associated with failed personal-social milestones after 1 year of age. *Eur J Pediatr.* 2014;173(7):887-92. Epub 2014/01/25. doi: 10.1007/s00431-014-2265-y. PubMed PMID: 24458583; PMCID: PMC4668717.
22. Bennett WE, Jr., Hendrix KS, Thompson RT, Carroll AE, Downs SM. The natural history of weight percentile changes in the first year of life. *JAMA Pediatr.* 2014;168(7):681-2. Epub 2014/05/07. doi: 10.1001/jamapediatrics.2014.345. PubMed PMID: 24797161.
23. Bauer NS, Carroll AE, Downs SM. Understanding the acceptability of a computer decision support system in pediatric primary care. *J Am Med Inform Assoc.* 2014;21(1):146-53. Epub 2013/06/22. doi: 10.1136/amiajnl-2013-001851. PubMed PMID: 23788628; PMCID: PMC3912729.
24. Anand V, Downs SM, Bauer NS, Carroll AE. Prevalence of infant television viewing and maternal depression symptoms. *J Dev Behav Pediatr.* 2014;35(3):216-24. Epub 2014/03/19. doi: 10.1097/DBP.000000000000035. PubMed PMID: 24633063; PMCID: PMC3976436.
25. Whipple EC, Odell JD, Ralston RK, Liu GC. When Informationists Get Involved: the CHICA-GIS Project. *J Escience Librariansh.* 2013;2(1). Epub 2013/01/01. doi: 10.7191/jeslib.2013.1035. PubMed PMID: 24749002; PMCID: PMC3991552.
26. Klann JG, Anand V, Downs SM. Patient-tailored prioritization for a pediatric care decision support system through machine learning. *J Am Med Inform Assoc.* 2013;20(e2):e267-74. Epub 2013/07/28. doi: 10.1136/amiajnl-2013-001865. PubMed PMID: 23886921; PMCID: PMC3861915.
27. Gilbert AL, Bauer NS, Carroll AE, Downs SM. Child exposure to parental violence and psychological distress associated with delayed milestones. *Pediatrics.* 2013;132(6):e1577-83. Epub 2013/11/06. doi: 10.1542/peds.2013-1020. PubMed PMID: 24190682; PMCID: PMC3838530.
28. Carroll AE, Biondich P, Anand V, Dugan TM, Downs SM. A randomized controlled trial of screening for maternal depression with a clinical decision support system. *J Am Med Inform Assoc.* 2013;20(2):311-6. Epub 2012/06/30. doi: 10.1136/amiajnl-2011-000682. PubMed PMID: 22744960; PMCID: PMC3638168.
29. Carroll AE, Bauer NS, Dugan TM, Anand V, Saha C, Downs SM. Use of a computerized decision aid for ADHD diagnosis: a randomized controlled trial. *Pediatrics.* 2013;132(3):e623-9. Epub 2013/08/21. doi: 10.1542/peds.2013-0933. PubMed PMID: 23958768; PMCID: PMC3876764.
30. Bauer NS, Sturm LA, Carroll AE, Downs SM. Computer Decision Support to Improve Autism Screening and Care in Community Pediatric Clinics. *Infant Young Child.* 2013;26(4):306-17. doi: 10.1097/IYC.0b013e3182a4ec5e. PubMed PMID: WOS:000330372400004.
31. Bauer NS, Gilbert AL, Carroll AE, Downs SM. Associations of Early Exposure to Intimate Partner Violence and Parental Depression With Subsequent Mental Health Outcomes. *Jama Pediatrics.* 2013;167(4):341-7. doi: 10.1001/jamapediatrics.2013.780. PubMed PMID: WOS:000319825800006.
32. Anand V, Downs SM. Racial, Ethnic, and Language Disparities in Children's Exposure to Secondhand Smoke. *Pediatr Allergy Immunol Pulmonol.* 2013;26(3):144-51. Epub 2013/09/26. doi: 10.1089/ped.2013.0257. PubMed PMID: 24066263; PMCID: PMC3777551.
33. Carroll AE, Anand V, Dugan TM, Sheley ME, Xu SZ, Downs SM. Increased Physician Diagnosis of Asthma with the Child Health Improvement through Computer Automation Decision Support System. *Pediatr Allergy Immunol Pulmonol.* 2012;25(3):168-71. doi: 10.1089/ped.2012.0143. PubMed PMID: WOS:000308525300009.
34. Carroll AE, Anand V, Downs SM. Understanding why clinicians answer or ignore clinical decision support prompts. *Appl Clin Inform.* 2012;3(3):309-17. Epub 2012/01/01. doi: 10.4338/ACI-2012-04-RA-0013. PubMed PMID: 23646078; PMCID: PMC3613030.

35. Anand V, Carroll AE, Downs SM. Automated primary care screening in pediatric waiting rooms. *Pediatrics*. 2012;129(5):e1275-81. Epub 2012/04/18. doi: 10.1542/peds.2011-2875. PubMed PMID: 22508925; PMCID: PMC3340595.
36. Carroll AE, Biondich PG, Anand V, Dugan TM, Sheley ME, Xu SZ, Downs SM. Targeted screening for pediatric conditions with the CHICA system. *J Am Med Inform Assoc*. 2011;18(4):485-90. Epub 2011/06/16. doi: 10.1136/amiajnl-2011-000088. PubMed PMID: 21672910; PMCID: PMC3128399.
37. Downs SM, Anand V, Dugan TM, Carroll AE. You can lead a horse to water: physicians' responses to clinical reminders. *AMIA Annu Symp Proc*. 2010;2010:167-71. Epub 2011/02/25. PubMed PMID: 21346962; PMCID: PMC3041342.
38. Downs SM, Zhu V, Anand V, Biondich PG, Carroll AE. The CHICA smoking cessation system. *AMIA Annu Symp Proc*. 2008:166-70. Epub 2008/11/13. PubMed PMID: 18998823; PMCID: PMC2655976.
39. Downs SM, Biondich PG, Anand V, Zore M, Carroll AE. Using Arden Syntax and adaptive turnaround documents to evaluate clinical guidelines. *AMIA Annu Symp Proc*. 2006:214-8. Epub 2007/01/24. PubMed PMID: 17238334; PMCID: PMC1839583.
40. Downs SM, Carroll AE, Anand V, Biondich PG. Human and system errors, using adaptive turnaround documents to capture data in a busy practice. *AMIA Annu Symp Proc*. 2005:211-5. Epub 2006/06/17. PubMed PMID: 16779032; PMCID: PMC1560802.
41. Biondich PG, Downs SM, Anand V, Carroll AE. Automating the recognition and prioritization of needed preventive services: early results from the CHICA system. *AMIA Annu Symp Proc*. 2005:51-5. Epub 2006/06/17. PubMed PMID: 16779000; PMCID: PMC1560868.
42. Anand V, Biondich PG, Liu G, Rosenman M, Downs SM. Child health improvement through computer automation: The CHICA System. *Medinfo 2004: Proceedings of the 11th World Congress on Medical Informatics, Pt 1 and 2*. 2004;107:187-91. PubMed PMID: WOS:000226723300038.
43. Biondich PG, Anand V, Downs SM, McDonald CJ. Using adaptive turnaround documents to electronically acquire structured data in clinical settings. *AMIA Annu Symp Proc*. 2003:86-90. Epub 2004/01/20. PubMed PMID: 14728139; PMCID: PMC1480055.
44. Biondich PG, Overhage JM, Dexter PR, Downs SM, Lemmon L, McDonald CJ. A modern optical character recognition system in a real world clinical setting: some accuracy and feasibility observations. *Proc AMIA Symp*. 2002:56-60. Epub 2002/12/05. PubMed PMID: 12463786; PMCID: PMC2244242.
45. Lewis Gilbert A, McCord AL, Ouyang F, Etter DJ, Williams RL, Hall JA, Tu W, Downs SM, Aalsma MC. Characteristics Associated with Confidential Consultation for Adolescents in Primary Care. *The Journal of Pediatrics*. doi: <https://doi.org/10.1016/j.jpeds.2018.02.044>.