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Curriculum Vitae

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EDUCATION:

Dec 1999 Master of Science, Biostatistics
University of Washington, Seattle, WA.

Jun 1997 Bachelor of Science, Biochemistry, with a minor degree in Mathematics
University of Washington, Seattle, WA.

PROFESSIONAL EXPERIENCE:

Dec 2022 – present Principal Collaborative Biostatistician
Kaiser Permanente Washington Health Research Institute, Seattle, WA

May 2010 – Nov 2022 Senior Collaborative Biostatistician
Kaiser Permanente Washington Health Research Institute (formerly
Group Health Research Institute), Seattle, WA.

May 2005 – Apr 2010 Biostatistician II
Group Health Research Institute (formerly Group Health Center for
Health Studies), Seattle, WA.

Oct 1999 – Apr 2005 Biostatistician I
Group Health Center for Health Studies, Seattle, WA.

Sep 1999 – Dec 2015 Biostatistician/Consultant
Seattle Institute for Biomedical and Clinical Research, Seattle, WA.

Jul 1998 – Sep 1999 Research Health Science Specialist
VA Puget Sound Health Care System, Seattle, WA.

Jun 1997 – Jun 1998 Research Assistant
Seattle Institute for Biomedical and Clinical Research, Seattle, WA.

PUBLICATIONS:

1. Yu O, Sheppard L, Lumley T, Koenig JQ, Shapiro GG. Effects of ambient air pollution on symptoms of asthma in Seattle-area children enrolled in the CAMP Study. *Environmental Health Perspectives* 108(12): 1209-14 (2000).

2. Jackson LA, Falls S, **Yu O**, George J, Pietrobon PJ, Rubanowice D, Froeschle J. Diphtheria antitoxin levels among children primed with a diphtheria and tetanus toxoids and acellular pertussis vaccine lot with a subpotent diphtheria toxoid component. *Journal of Infectious Diseases* 183(11): 1698-700 (2001).
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4. Reiber GE, Smith DG, Wallace C, Sullivan K, Hayes S, Vath C, Maciejewski ML, **Yu O**, Heagerty PJ, LeMaster J. Effect of therapeutic footwear on foot reulceration in patients with diabetes: a randomized controlled trial. *Journal of American Medical Association* 287(19): 2552-8 (2002).
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7. Reiber GE, Smith DG, Wallace C, Sullivan K, Hayes S, Vath C, Maciejewski ML, **Yu O**, Heagerty PJ, LeMaster J. Two types of therapeutic shoes were no better than usual footwear for preventing foot reulceration. *Journal of Bone & Joint Surgery* 84 A(11): 2107 (2002).
8. Reiber GE, Smith DG, Wallace CM, Vath CA, Sullivan K, Hayes S, **Yu O**, Martin D, Maciejewski M. Footwear used by individuals with diabetes and a history of foot ulcers. *Journal of Rehabilitation Research and Development* 39(5): 615-22 (2002).
9. Reisch LM, Fosse JS, Beverly K, **Yu O**, Barlow WE, Harris E, Rolnick S, Barton MB, Geiger AM, Herrinton LJ, Greene S, Fletcher SW, Elmore JG. Training, quality assurance and assessment of medical record abstraction in a multisite study. *American Journal of Epidemiology* 157(6): 546-51 (2003).
10. Jackson LA, Neuzil KM, **Yu O**, Benson P, Barlow WE, Adams AL, Hanson CA, Mahoney LD, Shay DK, Thompson WW. Effectiveness of pneumococcal polysaccharide vaccine in older adults. *New England Journal of Medicine* 348(18): 1747-55 (2003).
11. Jackson ML, Neuzil KM, Thompson WW, Shay DK, **Yu O**, Hanson CA, Jackson LA. The burden of community-acquired pneumonia in seniors: results of a population-based study. *Clinical Infectious Diseases* 39(11): 1642-50 (2004).
12. Geiger AM, **Yu O**, Herrinton LJ, Barlow WE, Harris EL, Rolnick S, Barton MB, Elmore JG, Fletcher SW. A population-based study of bilateral prophylactic mastectomy efficacy in

women at elevated risk for breast cancer in community practices. *Archives of Internal Medicine* 165(5): 516-20 (2005).

13. Jackson LA, Neuzil KM, Whitney CG, Starkovich P, Dunstan M, **Yu O**, Nelson JC, Feikin DR, Shay DK, Baggs J, Carste B, Nahm M, Carlone G. Safety of varying dosages of 7-valent pneumococcal protein conjugate vaccine in seniors previously vaccinated with 23-valent pneumococcal polysaccharide vaccine. *Vaccine* 23(28): 3697-703 (2005).
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16. Elmore JG, Reisch LM, Barton MB, Barlow WE, Rolnick S, Harris EL, Herrinton LJ, Geiger AM, Kevin B, Hart G, **Yu O**, Greene, SM, Weiss N, Fletcher SW. Efficacy of breast cancer screening in the community according to risk level. *Journal of National Cancer Institute* 97(14): 1035-43 (2005).
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19. **Yu O**, Bohlke K, Hanson CA, Delaney K, Rees T, Zavitkovsky A, Ray P, Mullooly J, Black SB, Benson P, Thompson WW, Davis RL, Jackson LA. Hepatitis B vaccine and risk of autoimmune thyroid disease: a Vaccine Safety Datalink study. *Pharmacoepidemiology and Drug Safety* 16(7): 736-45 (2007).
20. Jackson LA, Neuzil KM, Nahm MH, Whitney CG, **Yu O**, Nelson JC, Starkovich PT, Dunstan M, Feikin DR, Carste B, Shay DK, Baggs J, Carlone GM. Immunogenicity of varying dosages of 7-valent pneumococcal polysaccharide-protein conjugate vaccine in seniors previously vaccinated with 23-valent pneumococcal polysaccharide vaccine. *Vaccine* 25(20): 4029-37 (2007).
21. Boudreau DM, **Yu O**, Miglioretti DL, Buist DSM, Heckbert SR, Daling JR. Statin use and breast cancer risk in a large population-based setting. *Cancer Epidemiology, Biomarkers and Prevention* 16(3): 416-21 (2007).
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25. Nelson JC, Jackson M, **Yu O**, Whitney CG, Bounds L, Bittner R, Zavitkovsky A, Jackson LA. Impact of the introduction of pneumococcal conjugate vaccine on rates of community acquired pneumonia in children and adults. *Vaccine* 26(38): 4947-54 (2008).
26. **Yu O**, Boudreau DM, Buist DSM, Miglioretti DL. Statin use and female reproductive organ cancer risk in a large population-based setting. *Cancer Causes and Control* 20(5): 609-616 (2009).
27. Jackson LA, **Yu O**, Belongia EA, Hambidge SJ, Nelson J, Baxter R, Naleway A, Nordin J, Iskander J. Risk of medically attended local reactions following diphtheria toxoid containing vaccines in adolescents and young adults: a Vaccine Safety Datalink study. *Vaccine* 27(36): 4912-4916 (2009).
28. Reid RJ, Fishman PA, **Yu O**, Ross TR, Tufano JT, Soman MP, Larson EB. Patient-centered medial home demonstration: a prospective, quasi-experimental, before and after evaluation. *American Journal of Managed Care* 15(9): e71-e87 (2009).
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30. Jackson LA, **Yu O**, Belongia EA, Hambidge SJ, Nelson J, Baxter R, Naleway A, Gay C, Nordin J, Baggs J, Iskander J. Frequency of medically attended adverse events following tetanus and diphtheria toxoid vaccine in adolescents and young adults: a Vaccine Safety Datalink study. *BMC Infectious Diseases* 9(165) (2009).
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- of acetaminophen for prevention of post-vaccination fever in infants. *PLoS One* 6(6): e20102 (2011).
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 37. Boudreau DM, **Yu O**, Gray S, Raebel MA, Johnson J, Larson EB. Concomitant use of cholinesterase inhibitors and anticholinergics: prevalence and outcomes. *Journal of the American Geriatrics Society*. 59(11): 2069-2076 (2011).
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 41. Nelson JC, Cook AJ, **Yu O**, Dominguez C, Zhao S, Greene SK, Fireman BH, Jacobsen SJ, Weintraub ES, Jackson L. Challenges in the design and analysis of sequentially-monitored postmarket safety surveillance evaluations using electronic observational health care data. *Pharmacoepidemiology and Drug Safety*. 21(S1): 62-71 (2012).
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53. Nelson JC, Shortreed SM, **Yu O**, Peterson D, Baxter R, Fireman B, Lewis N, McClure D, Weintraub E, Xu S, Jackson LA and on behalf of the Vaccine Safety Datalink project. Integrating database knowledge and epidemiological design to improve the implementation of data mining methods that evaluate vaccine safety in large healthcare databases. *Statistical Analysis and Data Mining*. 7(5): 337–351 (2014).
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55. Nelson JC, Cook AJ, **Yu O**, Zhao S, Jackson LA, Psaty BM. Methods for observational post-licensure medical product safety surveillance. *Statistical Methods in Medical Research*. 24(2): 177-193 (2015).

56. Calip GS, **Yu O**, Hoskins KF, Boudreau DM. Association between diabetes medication use and risk of second breast cancer events and mortality. *Cancer Causes Control*. 26(8): 1065-1077 (2015).
57. Dublin S, Walker RL, Gray SL, Hubbard RA, Anderson ML, **Yu O**, Crane PK, Larson EB. Prescription opioids and risk of dementia or cognitive decline: a prospective cohort study. *Journal of the American Geriatrics Society*. 63(8): 1519-1526 (2015).
58. Chubak J, Bowles EJA, **Yu O**, Buist DSM, Fujii M, Boudreau DM. Breast cancer recurrence in relation to antidepressant use. *Cancer Causes and Control*. 27(1): 125-136 (2016).
59. Gray SL, Dublin S, **Yu O**, Walker R, Anderson M, Hubbard RA, Crane PK, Larson EB. Benzodiazepine use and risk of incident dementia or cognitive decline: prospective population based study. *British Medical Journal*. 352:i90 (2016).
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61. Calip GS, **Yu O**, Elmore JG, Boudreau DM. Comparative safety of diabetes medications and risk of incident invasive breast cancer: a population-based cohort study. *Cancer Causes and Control*. 27(5):709-720 (2016).
62. Nelson JC, Wellman R, **Yu O**, Cook AJ, Maro JC, Ouellet-Hellstrom R, Boudreau D, Floyd JS, Heckbert SR, Pinheiro S, Reichman M, Shoabi A. A synthesis of current surveillance planning methods for the sequential monitoring of drug and vaccine adverse effects using electronic health care data. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*. 4(1): Article 17 (2016).
63. Boudreau DM, **Yu O**, Balasubramanian A, Wirtz H, Grauer A, Crittenden DB, Scholes D. A survey of women's awareness of and reasons for lack of postfracture osteoporotic care. *Journal of the American Geriatrics Society*. 65(8):1829-1835 (2017).
64. Dublin S, Walker RL, Gray SL, Hubbard RA, Anderson ML, **Yu O**, Montine TJ, Crane PK, Sonnen JA, Larson EB. Use of analgesics (opioids and nonsteroidal anti-inflammatory drugs) and dementia related neuropathology in a community-based autopsy cohort. *Journal of Alzheimer's Disease*. 58(2):435-448 (2017).
65. Gray SL, Walker RL, Dublin S, **Yu O**, Bowles EJA, Anderson ML, Crane PK, Larson EB. Proton pump inhibitor use and dementia risk: prospective population-based study. *Journal of the American Geriatrics Society*. 66(2):247-253 (2018). [Winner of the Editors' Choice Award for 2018]
66. Jackson ML, **Yu O**, Nelson JC, Nordin JD, Tartof SY, Klein NP, Donahue JG, Irving SA, Glanz JM, McNeil MM, Jackson LA. Safety of repeated doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in adults and adolescents. *Pharmacoepidemiology and Drug Safety*. 27(8):921-925 (2018).

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69. Chubak J, **Yu O**, Ziebell RA, Bowles EJ, Sterrett AT, Fujii MM, Boggs JM, Burnett-Hartman AN, Boudreau DM, Chen L, Floyd JS, Ritzwoller DP, Hubbard RA. Risk of colon cancer recurrence in relation to diabetes. *Cancer Causes and Control*. 29(11):1093-1103 (2018).
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71. Chen L, Pocobelli G, **Yu O**, Shortreed SM, Osmundson SS, Fuller S, Wartko PD, McCulloch D, Warwick S, Newton KM, Dublin S. Early pregnancy hemoglobin A1C and pregnancy outcomes: a population-based study. *American Journal of Perinatology*. 36(10):1045-1053. doi: 10.1055/s-0038-1675619 (2019).
72. **Yu O**, Grafton J, Reed SD, Hansen K, Schulze-Rath R, Scholes D. Identification of uterine fibroid using electronic medical record data. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*. 7(1):5, pp. 1–9. doi: <https://doi.org/10.5334/egems.264> (2019).
73. Pocobelli G, **Yu O**, Ziebell RA, Bowles EJA, Fujii MM, Sterrett AT, Boggs JM, Chen L, Boudreau DM, Ritzwoller DP, Hubbard RA, Chubak J. Use of antidepressants after colon cancer diagnosis and risk of recurrence. *Psycho-Oncology*. 28(4):750-758. doi: 10.1002/pon.5015 (2019).
74. Boudreau DM, Chen L, **Yu O**, Bowles EJA, Chubak J. Risk of second breast cancer events with chronic opioid use in breast cancer survivors. *Pharmacoepidemiology and Drug Safety*. 28(5):740-753. doi: <https://doi.org/10.1002/pds.4779> (2019).
75. Bowles EJA, **Yu O**, Ziebell R, Chen L, Boudreau DM, Ritzwoller DP, Hubbard RA, Boggs JM, Burnett-Hartman AN, Sterrett A, Fujii M, Chubak J. Cardiovascular medication use and risks of colon cancer recurrences and additional cancer events: a cohort study. *BMC Cancer*. 19(1):270. doi: 10.1186/s12885-019-5493-8 (2019).
76. Calip GS, **Yu O**, Boudreau DM, Shao H, Oratz R, Richardson SB, Gold HT. Diabetes and differences in detection of incident invasive breast cancer. *Cancer Causes Control*. 30(5):435-441. doi: 10.1007/s10552-019-01166-2 (2019).

77. Chen L, Chubak J, **Yu O**, Pocobelli G, Ziebell RA, Bowles EJA, Fujii MM, Sterrett AT, Boggs JM, Ritzwoller DP, Hubbard RA, Boudreau DM. Changes in use of opioid therapy after colon cancer diagnosis: a population-based study. *Cancer Causes Control*. 30(12):1341-1350. doi: 10.1007/s10552-019-01236-5 (2019).
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79. **Yu O**, Schulze-Rath R, Grafton J, Hansen K, Scholes D, Reed SD. Adenomyosis incidence, prevalence and treatment: United States population-based study 2006-2015. *American Journal of Obstetrics & Gynecology*. 223(1):94.e1-94.e10. doi: 10.1016/j.ajog.2020.01.016 (2020).
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81. Zaslavsky O, **Yu O**, Walker RL, Crane PK, Gray SL, Sadak T, Borson S, Larson EB. Incident dementia, glycosylated hemoglobin (HbA1c) levels and potentially preventable hospitalizations in people aged 65 and older with diabetes. *Journals of Gerontology: Medical Sciences*. 76(11):2054-2061. doi: 10.1093/gerona/glab119 (2021).
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83. Pocobelli G, Ichikawa L, **Yu O**, Green BB, Meyers K, Gray R, Shea M, Chubak J. Validation of international classification of diseases, tenth revision, clinical modification diagnosis codes for heart failure subtypes. *Pharmacoepidemiology and Drug Safety*. 31(9):992-997. doi: 10.1002/pds.5489 (2022).
84. Sarma EA, Thompson MJ, Bowles EJA, Burnett-Hartman AN, Hubbard RA, **Yu O**, Chubak J. Patient and tumour characteristics of screening-age adults diagnosed with screen-detected versus symptomatic colon cancer. *Colorectal Disease*. 24(11):1344-1351. doi: 10.1111/codi.16232 (2022).
85. Nelson JC, Ulloa-Pérez E, **Yu O**, Cook AJ, Jackson ML, Belongia E, Daley MF, Harpaz R, Kharbanda EO, Klein NP, Naleway AL, Tseng H, Weintraub ES, Yih K, Jackson LA. Active post-licensure safety surveillance for recombinant zoster vaccine using electronic health record data. *American Journal of Epidemiology*. Online ahead of print. doi: 10.1093/aje/kwac170 (2022).

ABSTRACTS & PRESENTATIONS (* Presenter):

1. **Yu O***, Sheppard L, Lumley T, Koenig JQ, Shapiro GG. Effects of ambient carbon monoxide and atmospheric particles on asthma symptoms: results from the camp air pollution ancillary study. Platform and poster presentations at *PM2000: Particulate Matter and Health – The Scientific Basis for Regulatory Decision Making*, Charleston, South Carolina, January 25-28, 2000.
2. Jackson LA, Chen RT, Austin G, Stout R, Gorse GJ, Weniger B, **Yu O**, DeStefano F, and the Vaccine Safety Datalink Study Group. Safety, tolerability, and immunogenicity of varying doses of influenza vaccine administered by jet injector (JI) vs. needle and syringe (N&S). Slide presentation at *the Annual Conference on Vaccine Research*, Washington DC, April 30-May 2, 2000.
3. **Yu O***, Heffelfinger J, Heckbert SR, Psaty BM, Malais D, Barlow WE, Jackson LA and the Vaccine Safety Datalink Study Group. Association between influenza vaccination and risk of incident myocardial infarction or recurrent cardiac events. Poster presentation at *the Annual Meeting of the Infectious Diseases Society of America*, San Francisco, California, October 25-28, 2001.
4. Reiber GE, Smith DG, Wallace C, Sullivan K, Hayes S, Vath C, Maciejewski ML, **Yu O**, Heagerty PJ, LeMaster J. Clinical trial of footwear in patients with diabetes. Poster presentation at *the National Rehabilitation Research and Development Conference*, Arlington, Virginia, February 10-12, 2002.
5. Jackson LA, Neuzil KM, Adams AL, **Yu O**, Hanson C, Mahoney L, Benson P, Barlow WE, Shay DK, Thompson WW and the Vaccine Safety Datalink Study Group. Does the 23-valent pneumococcal polysaccharide vaccine prevent hospitalizations for pneumonia in the elderly? Oral presentation at *the International Symposium on Pneumococci and Pneumococcal Diseases*, Anchorage, Alaska, May 5-9, 2002.
6. Jackson LA, Neuzil KM, Adams AL, **Yu O**, Hanson C, Mahoney L, Benson P, Barlow WE, Shay DK, Thompson WW and the Vaccine Safety Datalink Study Group. Effectiveness of pneumococcal polysaccharide vaccine (PPV) in the elderly. Poster presentation at *the Interscience Conference on Antimicrobial Agents and Chemotherapy*, San Diego, California, September 27-30, 2002.
7. Jumaan AOA, **Yu O**, Bohlke K, Jackson, LA, Galil K, Seward J. Varicella and herpes zoster incidence before and after varicella vaccine licensure, 1992-2001. Oral presentation at *the Interscience Conference on Antimicrobial Agents and Chemotherapy*, Chicago, Illinois, September 14-17, 2003.
8. Jackson M, **Yu O**, Neuzil K, Thompson W, Shay D, Scott T, Jackson L. Epidemiology of community-acquired pneumonia in a highly vaccinated population of older adults. Poster presentation at *the Annual Meeting of the Infectious Diseases Society of America*, San Diego, California, October 9-12, 2003.
9. Jackson LA, Neuzil K, Whitney C, Feikin D, Nelson J, **Yu O**, Starkovich P, Dunstan M, Carste B, Shay D, Baggs J, Carlone G, Nahm M. Safety of varying dosages of 7-valent pneumococcal conjugate vaccine in adults 70-79 years of age. Poster presentation at *the*

International Symposium on Pneumococci and Pneumococcal Diseases, Helsinki, Finland, May 9-13, 2004.

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11. Herrinton LJ, Barlow WE, **Yu O**. Efficacy of prophylactic mastectomy in women with unilateral breast cancer. Poster presentation at *the Annual Meeting of the Society for Epidemiology Research*, Salt Lake City, Utah, June 15-18, 2004.
12. Geiger AM, **Yu O**, Herrinton LJ, Barlow WE. A case-cohort study of bilateral prophylactic mastectomy efficacy in community practices. Poster presentation at *the Annual Meeting of the Society for Epidemiology Research*, Salt Lake City, Utah, June 15-18, 2004.
13. **Yu O***, Rutter CM, Miglioretti D, Mandelson M. Estimating adenoma risk for micro-simulation modeling. Oral presentation at *the Joint Statistical Meetings*, Toronto, Canada, August 8-12, 2004.
14. Jackson M, Nelson J, Whitney C, **Yu O**, Scott T, Zavitkovsky A, Jackson L. Feasibility of population-based surveillance for outpatient pneumonia using electronically available dictated chest radiograph reports. Poster presentation at *the Annual Meeting of the Infectious Diseases Society of America*, Boston, Massachusetts, September 30-October 3, 2004.
15. **Yu O***, Bohlke K, Hanson C, Delaney K, Rees T, Zavitkovsky A, Ray P, Mullooly J, Benson P, Jackson L, Thompson W. Hepatitis B vaccination and risk of autoimmune thyroid disease. Poster presentation at *the Annual Meeting of the Infectious Diseases Society of America*, San Francisco, California, October 6-9, 2005.
16. Jackson LA, Dunstan M, Starkovich P, Dunn J, **Yu O**, Nelson JC, Rees T, Zavitkovsky A. A randomized, controlled trial of prophylaxis with acetaminophen or ibuprofen prior to the fifth DTaP vaccination. Poster presentation at *the Annual Meeting of the Infectious Diseases Society of America*, San Francisco, California, October 6-9, 2005.
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18. Nelson JC, Whitney CG, **Yu O**, Jackson ML, Scott T, Bounds L, Zavitkovsky A, Jackson LA. Impact of the introduction of pneumococcal conjugate vaccine on rates of community acquired pneumonia. Oral presentation at *the International Symposium on Pneumococci and Pneumococcal Diseases*, Alice Springs, Australia, April 2-6, 2006.
19. Fishman PA, Boudreau DM, Hill A, **Yu O**. The economic impact of managed care enrollees with cardio-metabolic syndrome. Paper presented at *the American Managed Care Pharmacy Annual Meeting*, Seattle, Washington, April 5-8, 2006.

20. Newton KM, Buist DSM, **Yu O**, Hartsfield CL, Andrade SE, Wei F, Connelly MT, Chan KA. Hormone therapy re-initiation and first-time initiation by type, dose and route, after the Women's Health Initiative. Oral presentation at *the European Congress on Menopause*, Istanbul, Turkey, June 4, 2006.
21. Boudreau D, **Yu O**, Miglioretti D, Buist D. Statins and breast cancer risk: is there an association? Oral presentation at *the North American Congress of Epidemiology*, Seattle, Washington, June 21-24, 2006.
22. Buist DSM, Newton KM, **Yu O**, Hartsfield CL, Andrade SE, Wei F, Connelly MT, Chan KA. Hormone therapy re-initiation and first-time initiation by type, dose and route, after the Women's Health Initiative. Oral presentation at *the International Conference on Pharmacoepidemiology & Therapeutic Risk Management*, Lisbon, Portugal, August 24-27, 2006.
23. **Yu O***, Kovich H, Nelson J, Jackson, LA. Using CART analysis to improve the classification of ICD9-coded pneumonia hospitalizations. Poster presentation at *the International Symposium on Pneumococci & Pneumococcal Diseases*, Reykjavik, Iceland, June 8-12, 2008.
24. **Yu O***, Jackson L, for the Vaccine Safety Datalink investigators. Risk of medically-attended local reactions following Td, Tdap and Menactra vaccines in adolescents and young adults. Poster presentation at *the Interscience Conference on Antimicrobial Agents and Chemotherapy*, Washington, DC, October 25-28, 2008.
25. **Yu O**, Grafton J, Holt V, Trabert B, Wehnes L, Yarbrow P, Scholes D. From chart to CART: Improving automated case-finding for ectopic pregnancy using CART analysis. Oral presentation at *the Annual HMO Research Network Conference*, Danville, PA, April 26-29, 2009.
26. Ross TR, Reid RJ, Fishman P, **Yu O**, Tufano JT, Larson EB. Patient and clinician experience in a patient-centered medical home demonstration. Oral presentation at *the Annual HMO Research Network Conference*, Danville, PA, April 26-29, 2009.
27. Trabert BL, Holt VL, **Yu O**, Grafton J, Yarbrow P, Wehnes L, Scholes D. Ectopic pregnancy trends in a large U.S. health maintenance organization – 1993-2007. Poster presentation at *the Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER)*, Anaheim, CA, June 22-23, 2009.
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29. Torrone E, Satterwhite C, Peterman TA, Scholes D, **Yu O**, Berman S. A closer look at Chlamydia re-infection rates: denominators are important. Oral presentation at *the National STD Prevention Conference*, Atlanta, GA, March 8-11, 2010.

30. Boudreau D, **Yu O**, Gray S, Raebel M, Larson E. Concomitant use of cholinesterase inhibitors and anticholinergics. Oral presentation at *the Annual HMO Research Network Conference*, Austin, TX, March 21–24, 2010.
31. Nelson JC, Cook AJ, Zhao S, **Yu O**, Jackson LA. Challenges in designing a sequentially-monitored observational study of post-licensure vaccine safety. Oral presentation at *the Western North American Region of the International Biometric Society Annual Meeting*, Seattle, WA, June 20-23, 2010.
32. Bowles EJA, Buist DSM, Chubak J, **Yu O**, Boudreau DM. Uptake of tamoxifen and aromatase inhibitors among women with early stage, invasive breast cancer in a community setting, 2001-2008. Poster presentation at *the American Society of Preventive Oncology Annual Meeting*, Las Vegas, NV, March 5-8, 2011.
33. Scholes D, Raebel M, **Yu O**, Grafton J, Weinstock H, Satterwhite C. Piloting use of the HMO VDW for pelvic inflammatory disease surveillance. Oral presentation at *the HMO Research Network Conference*, Boston, MA, March 23-25, 2011.
34. Boudreau D, **Yu O**, Gray S, Raebel M, Larson E. Concomitant use of cholinesterase inhibitors and anticholinergics. Oral presentation at *the HMO Research Network Conference*, Boston, MA, March 23-25, 2011.
35. Boudreau DM, **Yu O**, Gray SL, Raebel MA, Johnson J, Larson EB. Concomitant use of cholinesterase inhibitors and anticholinergics: prevalence and outcomes. Poster presentation at *the International Conference on Pharmacoepidemiology & Therapeutic Risk Management*, Chicago, IL, August 14-17, 2011.
36. Boudreau D, **Yu O**, Spangler L, Do T, Fujii M, Ott S, Critchlow C, Scholes D. Accuracy of ICD-9 codes to identify malunion and nonunion & developing an algorithm to improve automated case-finding of nonunion and malunion. Poster presentation at *the Annual meeting of the American Society for Bone and Mineral Research*, San Diego, CA, September 16-20, 2011.
37. Nelson JC, **Yu O***, Dominguez C, Cook AJ, Peterson D, Greene SK, Yih K, Daley MF, Jacobsen SJ, Klein NP, Jackson LA. Adapting group sequential methods to observational post-licensure safety surveillance: Results of a combination DTaP-IPV-Hib vaccine safety study. Oral presentation at *the Annual Vaccine and ISV Annual Global Congress*, Seattle, WA, October 2-4, 2011.
38. **Yu O***. Results of a combination DTaP-IPV-Hib vaccine safety study in the VSD. Oral presentation at *the International Workshop on Pharmacoepidemiology and Biostatistics*, Seattle, WA, December 2, 2011.
39. **Yu O***. Algorithms to identify second breast cancer events using administrative healthcare data. Oral presentation at *the Salford Analytics and Data Mining Conference*, San Diego, CA, May 24-25, 2012.

40. Chubak J, **Yu O**, Pocobelli G, Lamerato L, Webster J, Prout MN, Ulcickas Yood M, Barlow WE, Buist DSM. Algorithms to identify second breast cancer events using administrative data. Oral presentation at *the Society for Epidemiologic Research Annual Meeting*, Minneapolis, MN, June 27-30, 2012.
41. Shortreed S, Nelson J, **Yu O**, Peterson D. Assessing the feasibility of implementing data mining for post-licensure vaccine safety surveillance within the Vaccine Safety Datalink. Oral presentation at *the Joint Statistical Meetings*, San Diego, CA, July 28-August 2, 2012.
42. Nelson JC, Zhao S, Cook A, **Yu O**, Jackson L. Performance of group sequential methods for active post-licensure medical product safety surveillance using observational health care databases. Poster presentation at *the International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE)*, Barcelona, Spain, August 23-26, 2012.
43. Boudreau DM, **Yu O**, Chubak J, Bowles E, Wirtz HS, Fujii M, Buist DSM. Comparative safety of cardiovascular medication use and breast cancer outcomes. Oral presentation at *the International Conference on Pharmacoepidemiology & Therapeutic Management*, Montreal, Canada, August 25-28, 2013.
44. Dublin S, Walker RL, Gray SL, Hubbard R, Anderson ML, **Yu O**, Crane PK, Larson EB. Use of opioids and risk of dementia in older adults. Oral presentation at *the International Conference on Pharmacoepidemiology & Therapeutic Management*, Montreal, Canada, August 25-28, 2013.
45. Wirtz HS, Buist DSM, Gralow JR, Barlow WE, Gray S, Chubak J, **Yu O**, Bowles E, Fujii M, Boudreau DM. Frequent antibiotic use and risk of second breast cancer events. Oral presentation at *the International Conference on Pharmacoepidemiology & Therapeutic Management*, Montreal, Canada, August 25-28, 2013.
46. Dublin S, Walker RL, Gray SL, Hubbard RA, Anderson ML, **Yu O**, Crane PK, Larson EB. Use of opioids and risk of dementia in older adults. Poster presentation at *the HMO Research Network Conference*, Phoenix, AZ, April 1-3, 2014.
47. Dublin S, **Yu O**, Gray SL, Walker RL, Anderson ML, Hubbard RA, Crane PK, Larson EB. Benzodiazepine use and incident dementia. Oral presentation at *the HMO Research Network Conference*, Phoenix, AZ, April 1-3, 2014.
48. Gray SL, Anderson ML, Dublin S, Hanlon J, **Yu O**, Walker RL, Hubbard R, Crane PK, Larson EB. Anticholinergic medication use and incident dementia. Presentation at *the Annual Scientific Meeting of the American Geriatrics Society*, Orlando, FL, May 15-17, 2014. *Journal of American Geriatric Society*; 62(Supp. 1): S11 (2014).
49. Chubak J, Bowles EA, **Yu O**, Buist DSM, Wirtz H, Fujii M, Boudreau DM. Breast cancer recurrence in relation to antidepressant use in women with early stage breast cancer. Oral presentation at *the Annual Meeting of the Society for Epidemiologic Research*. Seattle, WA, June 24-27, 2014.

50. Denise B, **Yu O**, Chubak J, Bowles E, Wirtz H, Fujii M, Buist D. Breast cancer outcomes by diabetes status and diabetes medication use. Oral presentation at *the Annual Meeting of the Society for Epidemiologic Research*. Seattle, WA, June 24-27, 2014.
51. Gray SL, Dublin S, Anderson M, **Yu O**, Walker R, Hubbard RA, Crane PK, Larson EB. Use of automated pharmacy data to examine cumulative medication exposures and dementia: the Adult Changes in Thought Study (ACT). Oral presentation at *the Alzheimer's Association International Conference*. Copenhagen, Denmark, July 12-17 2014.
52. Scholes D, Balasubramanian A, Malley CO, Saint-Johnson J, Grafton J, **Yu O**, Boudreau D. Factors associated with non-receipt of osteoporosis therapy following an osteoporotic fracture. Poster presentation at *the American Society for Bone and Mineral Research Annual Meeting*, Houston, Texas, September 12-15, 2014.
53. Boudreau DM, **Yu O**, Elmore JG. Diabetes medications and risk of incident breast cancer. Poster presentation at *the San Antonio Breast Cancer Symposium*. San Antonio, TX. December 9-13, 2014.
54. Grafton G, Johnson R, Boudreau D, Saint-Johnson J, **Yu O**, Scholes D. Bridging the gap: evaluating osteoporosis therapy medication orders vs pharmacotherapy prescription fills following an osteoporotic fracture. Poster presentation at *the HMO Research Network Conference*. Long Beach, CA, March 11-15, 2015.
55. Gray SL, Anderson ML, Dublin S, Hanlon JT, Hubbard R, Walker RL, **Yu O**, Crane P, Larson EB. Cumulative use of strong anticholinergic medications and incident dementia. Oral presentation at *the International Conference on Pharmacoepidemiology and Therapeutic Risk Management*. Boston, MA, August 22-26, 2015.
56. Bowles EJA, Larson EB, Pong RP, Walker RL, Anderson M, **Yu O**, Gray SL, Crane PK, Dublin S. Anesthesia exposure and risk of dementia and Alzheimer's disease: a prospective study. Poster presentation at *the International Conference on Pharmacoepidemiology and Therapeutic Risk Management*. Boston, MA, August 22-26, 2015.
57. Boudreau DM, **Yu O**, Balasubramanian A, Grafton J, Saint-Johnson J, Wirtz H, Grauer A, Crittenden DB, Scholes D. Awareness and reasons for lack of post-fracture osteoporosis therapy: a survey of post-menopausal women. Poster at *the American Society for Bone and Mineral Research Annual Meeting*. Seattle, WA, October 9-12, 2015.
58. Boudreau DM, **Yu O**, Balasubramanian A, Grafton J, Wirtz H, Grauer A, Crittenden DB, Scholes D. Awareness and reasons for lack of post-fracture osteoporosis therapy: a survey of post-menopausal women. Oral presentation at *the American College of Rheumatology Annual Meeting*. San Francisco, CA, November 7-11, 2015.
59. Bowles EJA, Larson EB, Pong RP, Walker RL, Anderson ML, **Yu O**, Gray SL, Crane PK, Dublin S. Anesthesia exposure and risk of dementia and Alzheimer's disease: a prospective study. Oral presentation at *the Health Care Systems Research Network (HCSRN) Conference*. Atlanta, GA, April 14-16, 2016.

60. Grafton J, **Yu O**, Carrell D, Reed S, Schulze-Rath R, Hansen K, Scholes D. Identifying race/ethnicity data via Natural Language Processing (NLP) among women in a uterine fibroid cohort study. Poster presentation at *the Health Care Systems Research Network (HCSRN) Conference*. Atlanta, GA, April 14-16, 2016.
61. Chubak J, Ziebell R, Aiello EJ, Sterrett A, Ritzwoller DP, Boudreau DM, **Yu O**, Fujii M, Boggs JM, Hubbard RA. Comorbidity prevalence in newly diagnosed colorectal cancer patients. Poster presentation at *The Biennial Cancer Survivorship Research Conference*. Washington, D.C., June 16-18, 2016.
62. Gray S, Walker R, **Yu O**, Dublin S, Crane P, Larson E. Proton pump inhibitor use is not associated with dementia risk. Oral presentation at *The Alzheimer's Association International Conference*. Toronto, Canada, July 24-28, 2016.
63. **Yu O***, Reed S, Schulze-Rath R, Grafton J, Hansen K, Scholes D. Identifying incident uterine fibroids using electronic medical record data. Oral presentation at *The International Conference on Pharmacoepidemiology and Therapeutic Risk Management*. Dublin, Ireland, August 25-28, 2016.
64. **Yu O***, Schulze-Rath R, Reed S, Grafton J, Hansen K, Scholes D. Identification of incident uterine fibroids using electronic medical record data. Poster presentation at *The Health Care Systems Research Network Conference*. San Diego, CA, March 21-23, 2017.
65. Epstein M, Ritzwoller D, Carrell D, Chubak J, **Yu O***. Developing disease-specific algorithms using electronic health data. Panel presentation at *The Health Care Systems Research Network Conference*. San Diego, CA, March 21-23, 2017.
66. Grafton J, Cronkite D, **Yu O***. Amazing 'Race': Team NLP/VDW to unmask unknown race/ethnicity. Oral presentation at *the Kaiser Permanente Washington Health Research Institute Scientific Seminar*, Seattle, WA, May 9, 2017.
67. Scholes D, **Yu O**, Schulze-Rath R, Grafton J, Hansen K, Reed SD. A US study of endometriosis and adenomyosis: incidence, prevalence and secular trends in a population-based cohort, 2006-2015. Oral presentation at *the World Congress on Endometriosis*. Vancouver, British Columbia, Canada, May 17-20, 2017.
68. Pocobelli G, **Yu O**, Fuller S, Fraser J, Wartko P, Chen L, Newton K, Dimer J, McCulloch D, Warwick S, Dublin S. Change in the prevalence of gestational diabetes mellitus after adoption of the 1-step approach to screening and diagnosis. Poster presentation at *The Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting*, Seattle, WA, June 19-20, 2017.
69. Dublin S, Gray SL, Walker RL, **Yu O**, Bowles EJA, Anderson ML, Crane PK, Larson EB. Proton pump inhibitor use is not associated with dementia risk. Oral presentation at *The International Conference on Pharmacoepidemiology and Therapeutic Risk Management*. Montreal, Canada, August 26-30, 2017.

70. Gold HT, Shao H, Oratz R, **Yu O**, Grafton J, Hammer M, Richardson S, Boudreau D. Association of Diabetes and Other Factors with Guideline-Concordant Breast Cancer Treatment. Oral presentation at *the 39th Annual Meeting of the Society for Medical Decision Making*, Pittsburgh, PA, October 22-25, 2017.
71. Chen L, Pocobelli G, **Yu O**, Shortreed S, Osmundson S, Fuller S, Wartko P, Fraser J, McCulloch D, Warwick S, Newton KM, Dublin S. Early pregnancy hemoglobin A1c and pregnancy outcomes: a population-based analysis. Poster presentation at *the Annual Meeting of the Society for Maternal-Fetal Medicine*, Houston, TX, January 2018.
72. Pocobelli G, **Yu O**, Fuller S, Fraser J, Wartko P, Chen L, Newton K, McCulloch D, Warwick S, Dublin S. Maternal and neonatal outcomes in relation to adoption of the 1-step approach to identifying gestational diabetes mellitus. Oral presentation at *the Annual Meeting of the Society for Maternal-Fetal Medicine*, Houston, TX, January 2018.
73. Boudreau DM, **Yu O**, Shao H, Gold HT. The impact of diabetes on adherence to breast cancer screening guidelines and breast cancer detection. Poster presentation at *the Annual Meeting of the American Society of Preventive Oncology*, New York, NY, March 10-13, 2018.
74. Bowles E, **Yu O**, Ziebell R, Chen L, Boudreau D, Ritzwoller D, Hubbard R, Boggs J, Burnett-Hartman A, Sterrett A, Fujii M, Chubak J. Statin use and risks of colon cancer recurrence and second cancer events. Poster presentation at *the Annual Meeting of the American Society of Preventive Oncology*, New York, NY, March 10-13, 2018.
75. Reed SD, **Yu O**, Schulze-Rath R, Grafton J, Hansen K, Scholes D. A US study of endometriosis: patterns of care in a population-based cohort, 2006-2015. Poster presentation at *the Annual Meeting of the Society of Endometriosis and Uterine Disorders*, Florence, Italy, April 26-28, 2018.
76. Bowles E, **Yu O**, Ziebell R, Chen L, Boudreau D, Ritzwoller D, Hubbard R, Boggs J, Burnett-Hartman A, Sterrett A, Fujii M, Chubak J. Cardiovascular medication use and risks of colon cancer recurrence and second cancer events. Poster presentation at *the 2018 Kaiser Permanente National Oncology Conference*, San Francisco, CA, April 27-28, 2018.
77. Gold HT, Deb P, Shao H, **Yu O**, Oratz R, Richardson S, Hammer M, Boudreau D. Association of diabetes and guideline-concordant breast cancer treatment with subsequent breast cancer. Poster presentation at *the 40th Annual Meeting of the Society for Medical Decision Making*, Montreal, Canada, October 14-17, 2018.
78. Dublin S, Pocobelli G, **Yu O***, Fuller S, Warwick S. Maternal and neonatal outcomes following a new approach to identifying gestational diabetes: a learning health system story. Oral presentation at *the Kaiser Permanente Washington Health Research Institute Scientific Seminar*, Seattle, WA, November 13, 2018.
79. Chen L, Chubak J, **Yu O**, Pocobelli G, Ziebell RA, Bowles EJA, Fujii MM, Sterrett AT, Boggs JM, Burnett-Hartman AN, Ritzwoller DP, Hubbard RA, Boudreau DM. Changes in

use of opioid therapy after colon cancer diagnosis. Poster presentation at *the 2019 Society of Epidemiologic Research conference*, Minneapolis, MN, June 18-21, 2019.

80. **Yu O**, Schulze-Rath R, Scholes D, Grafton J, Hansen K, Reed SD. A US Study of adenomyosis: incidence, prevalence, and patterns of care in a population-based cohort, 2006-2015. Oral presentation at *the Annual Meeting of the Society of Endometriosis and Uterine Disorders*. Montreal, Canada, May 16-18, 2019.
81. Sarma E, Thompson M, Bowles EJA, Burnett-Hartman A, Chen L, Hubbard RA, **Yu O**, Chubak J. Associations between patient and tumor characteristics and screen-detected versus symptomatic colon cancers in two integrated healthcare systems. Oral presentation at *The Health Care Systems Research Network Conference*. Philadelphia, PA, April 8-10, 2020. Canceled due to COVID-19 pandemic.
82. Gold HT, Shao H, **Yu O**, Richardson S, Hammer M, Oratz R, Byrne N, Boudreau D. Factors associated with diabetes medication adherence in women with breast cancer and diabetes. Oral presentation at *The Society for Medical Decision Making Biennial European Conference*. Berlin, Germany, June 14-16, 2020. Canceled due to COVID-19 pandemic.
83. Zaslavsky O, **Yu O**, Walker R, Gray S, Crane P. Glucose levels and preventable hospitalizations in Alzheimer and diabetes. Oral presentation at *The 8th Annual Adult Changes in Thought (ACT) Symposium*, virtual meeting due to COVID-19 pandemic, August 19-20, 2020.
84. Christ J, **Yu O**, Schulze-Rath R, Grafton J, Hansen K, Scholes D, Reed SD. Prevalence, incidence and trends in endometriosis diagnosis by diagnostic modality, provider type and race. Oral presentation at *The American Society for Reproductive Medicine Scientific Congress & Expo*, virtual meeting due to COVID-19 pandemic, October 17-21, 2020.
85. **Yu O***, Covey J, Grafton J, Cronkite D, Kelley A, Hansen K, Hilpert J, Schulze-Rath R, Reed SD. Identification of a diagnostically complex condition, Polycystic Ovarian Syndrome, in a population-based cohort using electronic health record data. Poster presentation at *The International Conference on Pharmacoepidemiology and Therapeutic Risk Management*, virtual meeting due to COVID-19 pandemic, August 23-25, 2021.
86. Bradley KA, Bobb JF, Matthews AG, Boudreau DM, Wartko PD, McCormack J, Liu DS, Campbell CI, Lee AK, Samet JH, Labelle CT, Addis M, **Yu O**, Idu A, Qiu H, Hyun N, Glass JE, Caldeiro R, Arnsten J, Cunningham C, Braciszewski JM, Loree A, Stotts A, Zare M, Szapocznik J, Horigan V, Murphy M, Saxon AJ. PROUD Trial Main Results: A Pragmatic Implementation Trial Testing the Massachusetts Model of Nurse Collaborative Care for Opioid Use Disorder. Oral presentation at *the 18th Annual Conference of International Network on Brief Interventions for Alcohol & Other Drugs*. Edinburgh, UK, September 21-23, 2022.
87. **Yu O**, Christ J, Micks E, Schulze-Rath R, Hilpert J, Covey J, Holden E, Reed SD. Prevalence, incidence and trends in polycystic ovary syndrome (PCOS) diagnosis. Poster presentation at *The 78th American Society for Reproductive Medicine Scientific Congress & Expo*. Anaheim, CA, October 22-26, 2022.

88. Christ J, **Yu O**, Schulze-Rath R, Covey J, Holden E, Hilpert J, Micks E, Reed SD. Risk factors for incident polycystic ovary syndrome (PCOS) diagnosis. Poster presentation at *The 78th American Society for Reproductive Medicine Scientific Congress & Expo*. Anaheim, CA, October 22-26, 2022.