

BIOGRAPHICAL SKETCH: DAVID RAGLAND
August 2018

(a) Professional Preparation

University of Oregon, Eugene, Psychology, BA, 1965

State University of New York at Buffalo, Psychology, PhD, 1976

University of California at Berkeley, Epidemiology/Biostatistics, MPH, 1981

(b) Appointments

- Co-Director, University of California SafeTREC, Safe Transportation Research & Education Center, School of Public Health, Institute of Transportation Studies, 2016-present
- Director, University of California SafeTREC, Safe Transportation Research & Education Center, School of Public Health, Institute of Transportation Studies, 2000-2016
- Adjunct Professor of Epidemiology, School of Public Health, University of California, Berkeley, 1999-present
- Epidemiologist, Department of Epidemiology and Biostatistics, School of Public Health, University of California at Berkeley, 1983-1999
- Postdoctoral Fellow, Behavioral Factors in Cardiovascular Disease, Department of Epidemiology and Biostatistics School of Public Health, University of California at Berkeley, 1978-81
- Psychologist, Behavioral Medicine Branch, National Heart, Lung, and Blood Institute, NIH, Bethesda, Maryland, 1976-78

(c) Awards

- One of 75 most Influential alumni of the School of Public Health (for 75th Year Celebration of the School of Public Health) [Ragland Alumni Award](#)
- 2018 recipient of the Zak Sabry Mentorship Award (Established in School of Public Health to recognize faculty with distinguished records of mentorship) [Ragland Zak Sabry Award](#)

(d) Synergistic Activities

1. PI or Co-PI on about 20 million in research grants/contracts from 2010 to the present
2. Teach two graduate level courses at UCB: Traffic Safety and Injury Control (Civil Engineering), Injury Prevention and Control (School of Public Health)
3. Technical Advisory Committee, UrbanFootprint Public Health Module, Governor's Office of Planning and Research
4. Advisory Panel, Urban Design for Health (UD4H)
5. Advisory Committee, Crash Medical Outcomes Data (CMOD), California Department of Public Health.
6. Executive Committee, Institute of Transportation Studies, UC Berkeley
7. Executive Committee, Traffic Records Coordinating Committee (TRCC), California

(e) Publications/Products

Publications/Reports for David Ragland can be found on the Internet sites below.

Researchgate:

https://www.researchgate.net/profile/David_Ragland

GoogleScholar:

<https://scholar.google.com/citations?user=DesqMVwAAAAJ&hl=en&oi=ao>

SafeTREC Publication site:

<https://safetrec.berkeley.edu/publications>

Recent publications listed below:

1. K MacLeod, T McMillan, D Ragland. A Multidimensional Understanding of Older Adult Mobility Needs: A Survey to Improve Mobility, Health, and Social Inclusion among Older Adults in California. *Journal of Transport & Health* 9, 2018, S58-S59
2. K Chung, D Ragland. Discussion of theoretical and practical challenges in developing high collision concentration location detection procedures. *International Journal of Urban Sciences*, 2018, 1-15
3. KE MacLeod, RL Sanders, A Griffin, JF Cooper, DR Ragland. Latent analysis of Complete Streets and traffic safety along an urban corridor. *Journal of Transport & Health* 8, 2018, 15-29
4. AM Amiri, N Nadimi, DR Ragland, R Imaninasab. Predicting Crash Severity Based on Its Related Collision Type Using Five Data Mining Techniques. Transportation Research Board 97th Annual Meeting Transportation Research Board, 2018.
5. MacLeod, Kara E; Sanders, Rebecca L; Griffin, Ashleigh; Cooper, Jill F; Ragland, David R. Latent Analysis of Complete Streets and Traffic Safety Along an Urban Corridor. *Journal of Transport & Health*, Volume 8, 2018, pp 15-29 <https://trid.trb.org/view/1507951>
6. Amiri, Amir Mohammadian; Nadimi, Navid; Ragland, David R; Imaninasab, Reza. Predicting Crash Severity Based on Its Related Collision Type Using Five Data Mining Techniques. Transportation Research Board 97th Annual Meeting, Transportation Research Board, 2018, 15p <https://trid.trb.org/view/1495170>
7. MacLeod, Kara E; Karriker-Jaffe, Katherine J; Satariano, William A; Kelley-Baker, Tara; Lacey, John H; Ragland, David R. Drinking and Driving and Perceptions of Arrest Risk among California Drivers: Relationships with DUI Arrests in Their City of Residence. *Traffic Injury Prevention*, Volume 18, Issue 6, 2017, pp 566-572 <https://trid.trb.org/view/1473873>
8. Cooper, Douglas; Duffy, Sarah; Orrick, Phyllis; Ragland, David. Methods to Reduce or Prevent Backing Crashes. *Accident Reconstruction Journal*, Volume 26, Issue 5, 2016, pp 43-52 <https://trid.trb.org/view/1429462>
9. Fang, Shou'en; Xie, Wenjing; Wang, Junhua; Ragland, David R. Utilizing the eigenvectors of freeway loop data spatiotemporal schematic for real time crash prediction. *Accident Analysis & Prevention*, Volume 94, 2016, pp 59-64 <https://trid.trb.org/view/1416632>
10. Wang, Junhua; Xie, Wenjing; Liu, Boya; Fang, Shou'en; Ragland, David R. Identification of Freeway Secondary Accidents with Traffic Shock Wave Detected by Loop Detectors. *Safety Science*, Volume 87, 2016, pp 195-201 <https://trid.trb.org/view/1405554>
11. Junhua, Wang; Boya, Liu; Lanfang, Zhang; Ragland, David R. Modeling secondary accidents identified by traffic shock waves. *Accident Analysis & Prevention*, Volume 87, 2016, pp 141-147 <https://trid.trb.org/view/1385864>

12. MacLeod, Kara E; Karriker-Jaffe, Katherine J; Ragland, David R; Satariano, William A; Kelley-Baker, Tara; Lacey, John H. Acceptance of drinking and driving and alcohol-involved driving crashes in California. *Accident Analysis & Prevention*, Volume 81, Issue 0, 2015, pp 134-142
13. Zhang, Yuanyuan; Bigham, John; Ragland, David; Chen, Xiaohong. Investigating the associations between road network structure and non-motorist accidents. *Journal of Transport Geography*, Volume 42, Issue 0, 2015, pp 34-47
14. Ragland, David R; Bigham, John; Oum, Sang Hyouk; Chen, Katherine; Felschundneff, Grace. Traffic Injury on Tribal Lands in California. Transportation Research Board 94th Annual Meeting, Transportation Research Board, 2015, 10p
15. Zhang, Yuanyuan; Bigham, John; Ragland, David; Chen, Xiaohong. Investigating the associations between road network structure and non-motorist accidents. *Journal of Transport Geography*, Volume 42, Issue 0, 2015, pp 34-47
16. MacLeod, Kara E; Satariano, William A; Ragland, David R. The impact of health problems on driving status among older adults. *Journal of Transport & Health*, Volume 1, Issue 2, 2014, pp 86-94
17. MacLeod, Kara E; Satariano, William A; Ragland, David R. The impact of health problems on driving status among older adults. *Journal of Transport & Health*, Volume 1, Issue 2, 2014, pp 86-94
18. Ragland, David R; Pande, Swati; Bigham, John; Cooper, Jill F. Examining Long-Term Impact of California Safe Routes to School Program: Ten Years Later. Transportation Research Record: Journal of the Transportation Research Board, Issue 2464, 2014, pp 86–92
19. Zhang, Yuanyuan; Proulx, Frank; Ragland, David; Schneider, Robert; Grembek, Offer. Develop a Plan to Collect Pedestrian Infrastructure and Volume Data for Future Incorporation into Caltrans Accident Surveillance and Analysis System Database. University of California, Berkeley; California Department of Transportation, 2014, 110p
20. MacLeod, Kara E; Ragland, David R; Prohaska, Thomas R; Irmiter, Cheryl; Satariano, William A; Leary, Mary A. Missed or Delayed Medical Care Appointments by Older Users of Nonemergency Medical Transportation Services. Transportation Research Board 92nd Annual Meeting, Transportation Research Board, 2013, 20p
21. Sanders, Rebecca; Macdonald PhD, Elizabeth; Anderson, Alia; Ragland PhD, David R; Cooper, Jill. Performance Measures for Complete, Green Streets: Initial Findings for Pedestrian Safety along a California Corridor. Transportation Research Board 90th Annual Meeting, Transportation Research Board, 2011, 21p
22. Cooper, Jill F; Ragland, David R; Ewald, Katrin; Wasserman, Lisa; Murphy, Christopher J. Observational Study of Use of Cell Phone and Texting Among Drivers in California: Comparison of Data from 2011 and 2012. Transportation Research Record: Journal of the Transportation Research Board, Issue 2365, 2013, pp 66–72
23. Ragland, David R; Orrick, Phyllis. Transportation and Health: Policy Interventions for Safer, Healthier People and Communities. University of California, Berkeley; Centers for Disease Control and Prevention; Partnership for Prevention; Booz Allen Hamilton, 2011, 109p
24. Orrick, Phyllis; Frick, Karen; Ragland PhD, David R. Bicycle Infrastructure That Extends Beyond the Door: Examining Investments in Bicycle-Oriented Design Through a Qualitative Survey of Commercial Building Owners and Tenants. Transportation Research Board 90th Annual Meeting, Transportation Research Board, 2011, 11p