

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Current Positions

Assistant Professor

Department of Epidemiology and Biostatistics
School of Public Health

Texas A&M University Health Science Center

212 Adriance Lab Rd, Suite 211
College Station, TX 77843
e-mail: rfischer@tamu.edu
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Adjunct Assistant Professor

Tropical Medicine
Department of Pediatrics

Baylor College of Medicine

1102 Bates Ave, Suite 550
Houston, TX 77030
e-mail: rebecca.fischer@bcm.edu

Education

INSTITUTION AND LOCATION	DEGREE	GRADUATION DATE	FIELD OF STUDY
The University of Texas at Austin Austin, Texas	BS	08/1998	Biology: Ecology, Evolution & Conservation
The University of Texas Health Science Center School of Public Health Houston, Texas	MPH	05/2009	Epidemiology Major: Infectious Diseases Concentration: Global Health Thesis: <i>Antibody response to Panton-Valentine Leukocidin, a Staphylococcus aureus virulence factor, in pediatric patients from Texas Children's Hospital in Houston, Texas</i>
The University of Texas Health Science Center School of Public Health Houston, Texas	PhD	12/2014	Epidemiology Major: Field Epidemiology Minor: Biostatistics Thesis: <i>Prevalence and antibiotic resistance profiles of Staphylococcus aureus colonizing HIV-infected adults in Botswana and risk factors for colonization</i>
Baylor College of Medicine Houston, Texas	Postdoc	12/2017	<i>Investigation into the Epidemic of Unexplained Kidney Disease in Nicaragua</i>
Gorgas Memorial Institute of Tropical and Preventive Medicine Lima, Peru	DTMH	03/2018	Diploma in Tropical Medicine & Hygiene

Academic Appointments

2018-Present Assistant Professor
Department of Epidemiology & Biostatistics
Texas A&M Health Science Center
College Station, Texas

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- 2018-Present Adjunct Assistant Professor
Tropical Medicine, Department of Pediatrics
Baylor College of Medicine
Houston, Texas
- 2018 Adjunct Instructor
Tropical Medicine, Department of Pediatrics
Baylor College of Medicine
Houston, Texas
- 2015-2018 Postdoctoral Associate
Tropical Medicine, Department of Pediatrics
Baylor College of Medicine
Houston, Texas

Publications

*denotes mentee

1. Strasma, A.*, Worrall, H.*, Vangala, C., Silva, R., Mandayam, S., Murray, K.O., **Fischer, R.S.B.** (2020). Urinary findings among adults and children in a region of Nicaragua with a high burden of Mesoamerican Nephropathy. *Kidney International Reports*. *In Preparation*.
2. **Fischer, R.S.B.**, Worrall, H.*, Vangala, C., Nolan, M.S., Middleton, L.*, Garcia, L.L.*, Mandayam, S., Chavarria, D., Murray, K.O. (2020). Early Clinical Presentation in Mesoamerican Nephropathy: Validation of a proposed case definition in a large Historic Cohort in Nicaragua. *American Journal of Tropical Medicine & Hygiene*. *In Preparation*
3. **Fischer, RSB**, Vilchez, S., Kairis, RB, Lino, A, Ronca, S, Murray, K.O. (2020). Dengue Clinical Presentation and Viral Persistence in a Traveler returning from Nicaragua during an Epidemic Year. *Emerging Infectious Diseases or IJID*. *In Preparation*
4. Preston, L.*, **Fischer, R.S.B.**, Murray, K.O., Erickson, T., Midturi, J., Horney J. (2020). Typhus Group Rickettsiosis in Central Texas, 2008-2018. *Emerging Infectious Diseases*. *In Preparation*
5. **Fischer, R.S.B.**, Sanderson, W., Costa, M., Mandayam, S., Chavarria, D., Murray, K.O. (2020). Cracking a 20-year Medical Mystery: Could Nickel Toxicity underlie the Unrelenting Epidemic of Mesoamerican Nephropathy? *Plos One*. *In Review*
6. Byron Flores, Eduardo Ramírez, Adonis Moncada, Nefir Salinas, Carmen Hernández, Brenda Mora, **Rebecca Fischer**, Jessica Sheleby-Elías. (2020). Antimicrobial effect of *Moringa oleifera* seed extract against *Vibrio* spp in shrimp farm cultures of *Litopenaeus vannamei*. *Aquaculture Research*, *In Review*
7. Byron Flores Somarriba, Jessica Sheleby-Elias, Tania Pérez-Sánchez, **Rebecca Fischer**, José Múzquiz, Héctor Fuertes, Nabil Halaihel, William Jirón, Christiane Duttmann (2020). Identification of *Leptospira* spp in rodents captured during human leptospirosis outbreaks in Nicaragua. *Transboundary and Emerging Diseases*, *In Review*.
8. S Anand, B Caplin, M Gonzalez-Quiroz, SL Schensul, V Bhalla, et al. Epidemiology, molecular, and genetic methodologies to evaluate causes of CKDu around the world: report of the Working Group from the ISN International Consortium of. *Kidney international* 96 (6), 1254-1260.
9. **RS Fischer**, W Sanderson, M Costa, KO Murray (2019). Investigating exposure to heavy metals as a potential etiology of Mesoamerican Nephropathy, an unexplained epidemic kidney disease in Latin America (Abstract). *American Journal of Tropical Medicine & Hygiene*, 101 (5S): 581-581. (DOI: <https://doi.org/10.4269/ajtmh.abstract2019>)

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10. **RS Fischer**, N Mannathoko, HT Essigmann, OD Alonge, EL Brown (2019). Borderline methicillin resistant staphylococcus aureus, an underappreciated and emerging public health threat (Abstract). American Journal of Tropical Medicine & Hygiene, 101 (5S): 339-339. (DOI: <https://doi.org/10.4269/ajtmh.abstract2019>)
11. J Starling, A Strasma, R Silva, **RS Fischer** (2019). Healthy community stool screenings in rural Nicaragua reveal high prevalence of protozoal intestinal parasites and polyparasitism (Abstract). American Journal of Tropical Medicine & Hygiene, 101 (5S): 177-177. (DOI: <https://doi.org/10.4269/ajtmh.abstract2019>)
12. A Strasma, H Worrall, S Mandayam, R Silva, **RS Fischer** (2019). Urinary findings at healthy community screenings in a region of Nicaragua with a high burden of unexplained kidney disease (Abstract). American Journal of Tropical Medicine & Hygiene, 101 (5S): 351-351. (DOI: <https://doi.org/10.4269/ajtmh.abstract2019>)
13. Lisa Isrealson, Damien Chaussabel, **Rebecca Fischer**, Heather Moore, D. Ashley Robinson, Heather Essigmann, and Eric Brown (2019). Characterization of Peripheral Blood Mononuclear Cells Gene Expression Profiles of Pediatric *Staphylococcus aureus* Persistent and Non-Carriers Using a Targeted Assay. Journal of Pediatric Infectious Diseases In Review; Available at bioRxiv, Available online February 8, 2019. (DOI: <https://doi.org/10.1101/544494>)
14. **Fischer, R.S.B.**, Vangala, C., Mandayam, S., Garcia, L.L.*, Chavarria, D., Palma, L., Murray, K.O. (2018). Clinical Markers to Predict Progression from Acute to Chronic Kidney Disease in Mesoamerican Nephropathy. Kidney International, 94(6): 1205-1216. (DOI 10.1016/j.kint.2018.08.020; [https://www.kidney-international.org/article/S0085-2538\(18\)30607-0/fulltext](https://www.kidney-international.org/article/S0085-2538(18)30607-0/fulltext))
15. Anna Sulimirski*, Hannah Worrall*, Sreedhar Mandayam, **Rebecca Fischer** (2018). Clinical Urine Findings in a Community with a High Burden of Mesoamerican Nephropathy, American Journal of Kidney Diseases, 71(4) 587. (DOI 10.1053/j.ajkd.2018.02.293; <https://www.sciencedirect.com/science/article/pii/S0272638618304244>).
16. **Rebecca Fischer**, Chandan Vangala, Sreedhar Mandayam, Kristy Murray (2018). Clinical Predictors for Progression to Chronic Kidney Disease in Mesoamerican Nephropathy. American Journal of Kidney Diseases, 71 (4): 537. (DOI 10.1053/j.ajkd.2018.02.095; <https://www.sciencedirect.com/science/article/pii/S0272638618302221?via%3Dihub>).
17. Sahni, L.C., **Fischer, R.S.B.**, Gorchakov, R., Berry, R.M., Murray, K.O., Boom, J. (2018). Arboviral surveillance among pediatric patients with acute febrile illness in Houston, Texas. American Journal of Tropical Medicine & Hygiene, 99(2): 413-416. (DOI: [10.4269/ajtmh.17-0891](https://doi.org/10.4269/ajtmh.17-0891); <http://www.ajtmh.org/content/journals/10.4269/ajtmh.17-0891>).
18. **Fischer, R.S.B.**, Vangala, C., Truong, L., Chavarria, D., Granera, O., Fonseca, M., Guerra Baez, A., Garcia, F., Garcia-Trabanino, R., Mandayam, S., Murray, K.O. (2017). Early detection of acute tubulointerstitial nephritis in the genesis of Mesoamerican nephropathy. Kidney International, 90(3): 638–647. (DOI: 10.1016/j.kint.2017.09.012; [http://www.kidney-international.org/article/S0085-2538\(17\)30726-3/fulltext](http://www.kidney-international.org/article/S0085-2538(17)30726-3/fulltext)).
19. **Fischer, R.S.B.**, Mandayam, S., Chavarria, D., Vangala, C., Garcia, M.N., Garcia, L.L.*, Palma, L., Garcia-Trabanino, R., Murray, K.O. (2017). Clinical Evidence of Acute Mesoamerican Nephropathy. American Journal of Tropical Medicine & Hygiene, 97(4): 1247-1256. (DOI:10.4269/ajtmh.17-0260; <http://www.ajtmh.org/content/journals/10.4269/ajtmh.17-0260>).
20. **Fischer, Rebecca SB**, Flores Somarriba, Byron (2017). Diagnostic Testing for *Leptospira* Infections in Areas of Endemicity Requires Urgent Attention. Current Reports in Tropical Medicine, 4(2): 57-61. (DOI: 10.1007/s40475-017-0110-x; <https://link.springer.com/article/10.1007/s40475-017-0110-x>).
21. Flores Somarriba, Byron, Sheleby-Elias, Jessica, **Fischer, Rebecca SB**, Jiron, William, Duttmann, Christiane (2017). *Leptospira* in Central America: Techniques for Diagnosis and Molecular Characterization. Current Reports in

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- Tropical Medicine, 4(2): 70-76. (DOI:10.1007/s40475-017-0106-6; <https://link.springer.com/article/10.1007/s40475-017-0106-6>).
22. **Fischer, R.S.B.** and Reid, M.J.A., Mannathoko, N., Muthoga, C., Essigmann, H., McHugh, E., Brown, E.L., Steenhoff, A. (2017). Prevalence of *Staphylococcus aureus* nasal carriage in HIV-infected and HIV-uninfected children in Botswana. The American Journal of Tropical Medicine and Hygiene, 96(4): 795-801. (DOI: 10.4269/ajtmh.16-0650; <http://www.ajtmh.org/content/early/2017/02/02/ajtmh.16-0650.full.pdf+html>)
 23. Fischer RSB, Duttman C, Jiron Toruño W, Garcia MN, Gorchakov R, Gunter SM, Murray KO. Documenting the Seroprevalence of Zoonotic and Vector Borne Diseases in Rural Nicaragua. Abstract. Am J Trop Med Hyg. 2017;95(5):172. (DOI:10.4269/ajtmh.abstract2016; <http://www.ajtmh.org/content/journals/10.4269/ajtmh.abstract2016>)
 24. Reid, M.J., Steenhoff, A, Mannathoko, N., McHugh, E., Muthoga, C., Brown, E.L., **Fischer, R.S.B.** (2017). *Staphylococcus aureus* Nasal Colonization among HIV-Infected Adults in Botswana: Prevalence and Risk Factors. AIDS Care. (DOI: 10.1080/09540121.2017.1282600; PMID: 28127988; www.tandfonline.com/doi/abs/10.1080/09540121.2017.1282600?journalCode=caic20)
 25. **Fischer, Rebecca SB**, Mandayam, Sreedhar, Garcia, Melissa N, Gorchakov, Rodion, Chavarria, Denis, Murray, Kristy O. (2016). Mesoamerican Nephropathy in Nicaragua: Interstitial Nephritis of Infectious Origin? Abstract. American Journal of Kidney Diseases, 67(5): A45. ([www.ajkd.org/article/S0272-6386\(16\)00331-0/abstract](http://www.ajkd.org/article/S0272-6386(16)00331-0/abstract))
 26. Tolo, Isaiah, Thomas, Jonathan C, **Fischer, Rebecca SB**, Brown, Eric L, Gray, Barry M, Robinson, D Ashley (2016). Do *Staphylococcus epidermidis* genetic clusters predict isolation sources? Journal of Clinical Microbiology, 54(7):1711-1719. (PMID: 27076664, PMCID: PMC4922092, doi: 10.1128/JCM.03345-15; www.ncbi.nlm.nih.gov/pmc/articles/PMC4922092/)
 27. Brown, E.L., Below, J.E., **Fischer, R.S.B.**, Essigmann, H.T., Hu, H., Huff, C., Robinson, D.A., Petty, L.E., Aguilar, D., Bell, G.I., Hanis, C.L. (2015). Genome-wide association study of *Staphylococcus aureus* carriage in a community-based sample of Mexican-Americans in Starr County, Texas. PLOS ONE, 10(11). (PMID: 26569114, PMCID: PMC4646511, doi: 10.1371/journal.pone.014213; <http://dx.doi.org/10.1371/journal.pone.0142130>)
 28. Murray, K.O., **Fischer, R.S.B.**, Chavarria, D., Duttman, C., Garcia, M.N., Gorchakov, R., Hotez, P.J., Jiron, W., Leibler, J.H., Lopez, J., Mandayam, S., Marin, A., Sheleby, J. (2015). Mesoamerican Nephropathy: A Neglected Tropical Disease with an Infectious Etiology? Microbes and Infection, 17 (10), 671–675. (PMID: 26320026, doi: 10.1016/j.micinf.2015.08.005; www.sciencedirect.com/science/article/pii/S1286457915001653)
 29. Montealegre, J. R., Koers, E. M., **Bryson, R. S.**, & Murray, K. O. (2011). An Innovative Public Health Preparedness Training Program for Graduate Students. *Public Health Reports*, 126 (3), 441-446. (PMID: 21553674, PMCID: PMC3072870; www.ncbi.nlm.nih.gov/pmc/articles/PMC3072870/)
 30. Koers, E. M., Montealegre, J. R., **Bryson, R. S.**, & Murray, K. O. (2010). Experiences of The University of Texas School of Public Health's Student Epidemic Intelligence Society in Strengthening Public Health Response and Epidemiologic Capacity. *Public Health Reports*, 125(6), 922-928. (PMID: 21121239, PMCID: PMC2966679; DOI: 10.1177/003335491012500622; www.ncbi.nlm.nih.gov/pmc/articles/PMC2966679/)
 31. Brown, E. L., Bowden, G., **Bryson, R. S.**, Hulten, K. G., Bordt, A., Forbes, A., Kaplan, S. L. (2009). Pediatric Antibody Response to Community-Acquired *Staphylococcus aureus* infection is Directed to Panton-Valentine Leukocidin. *Clinical and Vaccine Immunology*, 16 (1), 139-141. (PMCID: PMC2620665; www.ncbi.nlm.nih.gov/pmc/articles/PMC2620665/)
 32. Montealegre, J. R., Emert, J. M., Lackey, S. C., **Bryson, R. S.**, & Murray, K. O. (2009). A Graduate Student Epidemiology Response Program's Partnership with Local Health Departments to Meet H1N1 Surge Capacity Needs. *Texas Public Health Journal*, 61 (4), 33-34. (www.texaspha.org/page/PastIssues)

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Awards and Recognitions

Committee on Global Health Travel Award, American Society of Tropical Medicine & Hygiene, 2015
Hwang/Beasley Global Health Grant, The University of Texas School of Public Health, 2013
Doctoral Dissertation Research Award, The University of Texas School of Public Health, 2012

Conference Presentations

1. **RSB Fischer**, Samuel Vilchez, Rebecca Kairis, Allison Lino, Adrianna Maliga, Shannon Ronca, Kristy Murray. 'Natural History of Dengue Virus serotype 2 Infection with Viral Persistence. International Congress on Infectious Diseases, Kuala Lumpur, MALAYSIA, Sep 2020. **Accepted**
2. Alyssa McNulty*, **Rebecca Fischer**, Allison Lino, Kristy Murray, Timothy Erickson, Shannon Ronca, Sarah M. Gunter. Seroprevalence and Epidemiology of Typhus Group Rickettsia Infection in Texas. International Congress on Infectious Diseases, Kuala Lumpur, MALAYSIA, Sep 2020. **Accepted**
3. Oluwakemi D. Alonge*, **Rebecca S.B. Fischer**, Heather T. Essigmann, Eric L. Brown. Antibiotic resistance profiles in Borderline methicillin resistant *Staphylococcus aureus*. TAMU SPH National Public Health Week, Apr 2020. **Awarded 2nd Place**
4. Archana Tale*, **Rebecca S.B. Fischer**. Systematic Review – Burden of Mesoamerican Nephropathy in Central America. TAMU SPH National Public Health Week, Apr 2020.
5. Jolie Starling*, Anna Strasma, Reyna Silva, **Rebecca S.B. Fischer**. Community health screenings in rural Nicaragua reveal high prevalence of protozoal intestinal parasites and polyparasitism. TAMU SPH National Public Health Week, Apr 2020.
6. Alyssa McNulty*, Tesha Landry*, Brittany Beasley, Santiago Canel Soria, Samuel Karsky*, Shea Reuter, **Rebecca Fischer**. The association between weather and incidence of zoonotic & vector-borne diseases in the U.S. TAMU SPH National Public Health Week, Apr 2020. **Accepted**
7. Annette K. Regan, Madhuri Uppuluri*, Ravneet Kaur, **RSB Fischer**. Maternal morbidity & mortality associated with Dengue Virus Infection during Pregnancy: A systematic review. 8th Annual Houston Global Health Collaborative Conference, Houston, TX, March 2020.
8. Alyssa McNulty*, Tesha Landry*, Brittany Beasley, Santiago Canel Soria, Samuel Karsky*, Shea Reuter, **Rebecca Fischer**. The association between weather and incidence of zoonotic & vector-borne diseases in the U.S. High Impact Practices in the States (HIPS) National Conference, College Station, Texas, Feb 2020.
9. Anna Strasma, Hannah Worrall, Sreedhar Mandayam, Chandan Vangala, Reyna Silva, Kristy O. Murray, **Rebecca S.B. Fischer**. Urine testing of community residents in a region of Nicaragua with a high burden of Mesoamerican Nephropathy reveal background systemic inflammatory signs rapidly increase in younger ages. American Society of Nephrology Kidney Week 2019, Washington, DC, Nov 2019.
10. Sarah M. Gunter, Allison Lino, Alyssa McNulty*, **Rebecca Fischer**, Timothy Erickson, Shannon Ronca, Alex Carisey, Kristy O. Murray. Investigating the risk of spotted fever group rickettsiosis in Texas hunters. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland USA, Nov 2019.
11. **Rebecca S.B. Fischer**, Naledi Mannathoko, Heather T. Essigmann, Oluwakemi D. Alonge*, Eric L. Brown. Borderline methicillin resistant *Staphylococcus aureus*, an underappreciated and emerging public health threat. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland USA, Nov 2019.
12. **Rebecca S.B. Fischer**, Wayne Sanderson, Max Costa, Kristy O. Murray. Investigating Exposure to Heavy Metals as a potential etiology of Mesoamerican Nephropathy, an unexplained epidemic kidney disease in Latin America.

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American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland USA, Nov 2019.

13. Anna Strasma*, Hannah Worrall*, Sreedhar Mandayam, Reyna Silva, Kristy Murray, **Rebecca S.B. Fischer**. Urinary findings at healthy community screenings in a region of Nicaragua with a high burden of unexplained kidney disease. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland USA, Nov 2019.
14. Jolie Starling*, Anna Strasma*, Reyna Silva, **Rebecca S.B. Fischer**. Healthy community stool screenings reveal high prevalence of protozoal intestinal parasites and polyparasitism in rural Nicaragua. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland USA, Nov 2019.
15. L.E. Preston*, **Rebecca S.B. Fischer**, Kristy O. Murray, John Midturi, Jennifer Horney. Typhus Group Rickettsiosis in Central Texas. American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland USA, Nov 2019.
16. Jolie Starling*, Anna Strasma, Reyna Silva, **Rebecca S.B. Fischer**. Community health screenings in rural Nicaragua reveal high prevalence of protozoal intestinal parasites and polyparasitism. The James Steele Conference on Diseases in Nature Transmissible to Man (DIN), Houston, TX, May 2019.
17. **Fischer, R.S.B**, Gorchakov, R., Murray, K.O. Mesoamerican Nephropathy is not explained by acute infection. Consortium for the Epidemic of Nephropathy in Central America and Mexico (CENCAM) & SALTRA Joint Workshop with PAHO & NIEHS: Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, COSTA RICA, Mar 2019
18. **Rebecca SB Fischer**, Wayne Sanderson, Andrew Fire, Sreedhar Mandayam MD, Kristy O. Murray. Steps toward solving a decades-long Medical Mystery: In search of the etiology of Mesoamerican Nephropathy. CENCAM & SALTRA Joint Workshop with PAHO & NIEHS: Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, COSTA RICA, Mar 2019
19. Strasma, A. *, Worrall, H. *, Vangala, C., Silva, R., Mandayam, S., Murray, K.O., **Fischer, R.S.B**. Urinary findings among adults and children in a region of Nicaragua with a high burden of Mesoamerican Nephropathy. CENCAM & SALTRA Joint Workshop with PAHO & NIEHS: Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, COSTA RICA, Mar 2019
20. **Fischer, R.S.B.**, Sanderson, W., Mandayam, S., Murray, K.O. Nickel exposure among Agricultural Workers is a Likely Cause of the Mesoamerican Nephropathy Epidemic. CENCAM & SALTRA Joint Workshop with PAHO & NIEHS: Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, COSTA RICA, Mar 2019.
21. Anna Strasma*, **Rebecca S.B. Fischer**, Sreedhar Mandayam. The epidemic of kidney disease of unknown etiology in Central America is an important cause for emergent dialysis utilization in Houston, Texas. CENCAM & SALTRA Joint Workshop with PAHO & NIEHS: Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, COSTA RICA, Mar 2019.
22. Anna Strasma*, **Rebecca S.B. Fischer**, Sreedhar Mandayam. The epidemic of kidney disease of unknown etiology in Central America is an important cause for emergent dialysis utilization in Houston, Texas. University of Texas Medical Branch Second Annual Conference on the Health of Migrants; Galveston, TX, Dec 2018.
23. Megan L. McKenna*, Sarah Gunter, Melissa Nolan, **Rebecca S.B. Fischer**, Denis Chavarria, Lesbia Palma, Kristy O. Murray. Prevalence and Risk Factors of Chagas Disease Among Agricultural Workers in Northwestern Nicaragua. Poster Presentation, American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA, Oct 2018.

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24. **Rebecca S.B. Fischer**, Nicole Delgado*, Rodion Gorchakov, Shannon Ronca*, Kristy O. Murray. Leptospirosis among agricultural workers in Nicaragua: Incidence, prevalence, and risk factors. Pedro Kourí Tropical Medicine Institute (IPK) Espiroquetas Habana 2018/Spirochetes Havana 2018, Havana, CUBA, May 2018.
25. Nicole Delgado*, **Rebecca S.B. Fischer**, Rodion Gorchakov, Shannon Ronca, Kristy O. Murray. Risk factors for Hantavirus among a rural, agricultural community at high risk of zoonotic infection. The James Steele Conference on Diseases in Nature Transmissible to Man (DIN), Houston, TX, May 2018.
26. Anna Sulimirski*, Hannah Worrall*, Sreedhar Mandayam, Kristy O. Murray, **Rebecca S.B. Fischer**. Urinary findings among adult and pediatric community members in a region of Nicaragua with a high burden of Mesoamerican Nephropathy. National Kidney Foundation 2018 Spring Clinical Meetings, Austin, TX, Apr 2018.
27. Hannah Worrall*, **Rebecca S.B. Fischer**, Sreedhar Mandayam, Anna Sulimirski. Evidence of urinary markers for early renal disease in the community in a highly endemic region of Mesoamerican Nephropathy in Nicaragua. National Kidney Foundation 2018 Spring Clinical Meetings, Austin, TX, Apr 2018.
28. Hannah Worrall*, **Rebecca S.B. Fischer**, Melissa Nolan, Linda L. Garcia, Lauren Middleton, Sreedhar Mandayam, Kristy O. Murray. Validation of a Clinical Case Definition of Acute Mesoamerican Nephropathy using a Large Retrospective Cohort in Nicaragua. Poster Presentation, American Society of Tropical Medicine and Hygiene Annual Meeting, Baltimore, MD, Nov 2017.
29. **Rebecca S.B. Fischer**, Chandan Vangala, Sreedhar Mandayam, Denis Chavarria, Kristy O. Murray. Identifying Clinical Predictors for Progression from Acute Kidney Injury to Chronic Kidney Disease in Mesoamerican Nephropathy (MeN). Podium Presentation, American Society of Tropical Medicine and Hygiene Annual Meeting, Baltimore, MD, Nov 2017.
30. **Rebecca S.B. Fischer**, Kaila Fagerstrom*, Denis Chavarria, Sreedhar Mandayam, Melissa Nolan, Linda L. Garcia, Ruth Montenegro, Kristy O. Murray. Risk Factors for Acute Mesoamerican Nephropathy in Nicaraguan Sugar Workers. Podium Presentation, American Society of Tropical Medicine and Hygiene Annual Meeting, Baltimore, MD, Nov 2017.
31. **Rebecca S.B. Fischer**, Chandan Vangala, Sreedhar Mandayam, Denis Chavarria, Kristy O. Murray. Clinical Factors Associated with Progression from Acute Mesoamerican Nephropathy to Chronic Kidney Disease. Poster Presentation, American Society of Nephrology Kidney Week 2017, New Orleans, LA, Nov 2017.
32. Hannah Worrall*, **Rebecca SB Fischer**, Melissa N Garcia, Linda L. Garcia*, Lauren Middleton*, Sreedhar Mandayam, Kristy O Murray. Validation of a Clinical Case Definition of Acute Mesoamerican Nephropathy using a Large Retrospective Cohort in Nicaragua. Poster Presentation, 6th Annual UTMB Global Health Education Symposium. Galveston, TX, Oct 2017.
33. Vera Won*, **Rebecca SB Fisher**, Hannah Worrall*, Kristy O Murray. A Retrospective Cohort Study Documenting the Clinical Progression of Mesoamerican Nephropathy. Poster Presentation, 6th Annual UTMB Global Health Education Symposium. Galveston, TX, Oct 2017.
34. Kaila A. Fagerstrom*, **Rebecca S.B. Fischer**, Sreedhar Mandayam, Denis Chavarria, Melissa N. Garcia, Linda Garcia*, Ruth Montenegro, Kristy O. Murray. Occupational Risk Factors for Mesoamerican Nephropathy in Nicaragua: A Case Control Analysis. Poster Presentation & Podium Presentation. The James Steele Conference on Diseases in Nature Transmissible to Man (DIN), Dallas, TX, May 2017.
35. **Rebecca S.B. Fischer**, Chandan Vangala, Luan Truong, Denis Chavarria, Orlando Granera Llanes, Marcos Fonseca Laguna, Alvaro Guerra Baez, Felix Garcia, Sreedhar Mandayam, Kristy Murray. Histopathologic Characterization of Acute Mesoamerican Nephropathy (MeN): Insights into the Mechanism of Disease. Moderated Poster Presentation, World Congress of Nephrology 2017, Mexico City, MEXICO, Apr 2017.

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36. **Rebecca S.B. Fischer**, Sreedhar Mandayam, Denis Chavarria, Lesbia Palma, Felix Garcia, Chandan Vangala, Kristy Murray. Acute Kidney Injury in Mesoamerican Nephropathy. Moderated Poster Presentation, World Congress of Nephrology 2017, Mexico City, MEXICO, Apr 2017.
37. **Rebecca S.B. Fischer**, Chandan Vangala, Luan Truong, Denis Chavarria, Orlando Granera Llanes, Marcos Fonseca Laguna, Alvaro Guerra Baez, Felix Garcia, Sreedhar Mandayam, Lauren Middleton*, Ruth Montenegro, Melissa Garcia, Linda Garcia*, Kristy Murray. Clinical Presentation and Renal Pathology of Acute Mesoamerican Nephropathy: Insight into the Etiology of Chronic Kidney Disease of Unknown Etiology. Poster Presentation, Baylor College of Medicine Pediatric Research Symposium, Houston, TX, Mar 2017.
38. **Rebecca S.B. Fischer**, Sreedhar Mandayam, Denis Chavarria, Melissa N. Garcia, Rodion Gorchakov, Kristy O. Murray. Mesoamerican Nephropathy in Nicaragua: Acute Interstitial Nephritis of Infectious Origin? Podium Presentation, American Society of Tropical Medicine & Hygiene 65th Annual Meeting, Atlanta, GA, Nov 2016.
39. **Rebecca S.B. Fischer**, Christiane Duttman, Melissa N. Garcia, Rodion Gorchakov, Sarah M. Gunter, William Jiron, Kristy O. Murray. Documenting the Seroprevalence of Zoonotic and Vector Borne Diseases in Rural Nicaragua. Poster Presentation, American Society of Tropical Medicine & Hygiene 65th Annual Meeting, Atlanta, GA, Nov 2016.
40. **Rebecca S.B. Fischer**, Sreedhar Mandayam, Melissa N. Garcia, Rodion Gorchakov, Kristy O. Murray. Mesoamerican Nephropathy (MeN) in Nicaragua: A Clinical Case Definition of Acute Disease. Poster Presentation, The James Steele Conference on Diseases in Nature Transmissible to Man (DIN), San Antonio, TX, May 2016.
41. **Rebecca SB Fischer**, Rodion Gorchakov, Melissa Nolan Garcia, Denis Chavarria, Alejandro Marin, Kristy O. Murray. Mesoamerican Nephropathy in Nicaragua: Establishing a Clinical Case Definition. Podium Presentation, Espiroquetas Habana 2016/Spirochetes Havana 2016, Havana, CUBA, May 2016.
42. **Rebecca SB Fischer**, Rodion Gorchakov, William Jiron Toruno, Christiane Duttman, Jessica Sheleby, Byron Flores Somarriba, Job Lopez, Hannah Wilder, Melissa Nolan Garcia, Kristy O. Murray. *Leptospira* in Field-Collected Rodents from the Pacific Lowlands of Nicaragua. Podium Presentation, Espiroquetas Habana 2016/Spirochetes Havana 2016, Havana, CUBA, May 2016.
43. **Fischer, Rebecca SB**, Gorchakov, Rodion, Murray, Kristy O. *Detection of Pathogenic Leptospira in Human and Rodent Serum*. Podium Presentation and Didactic Workshop, Espiroquetas Habana 2016/Spirochetes Havana 2016, Havana, CUBA, May 2016.
44. **Fischer, Rebecca SB**, Mandayam, Sreedhar, Garcia, Melissa N, Gorchakov, Rodion, Chavarria, Denis, Murray, Kristy O. Mesoamerican Nephropathy in Nicaragua: Interstitial Nephritis of Infectious Origin? Poster Presentation, National Kidney Foundation Spring Meetings, Boston, MA, Apr 2016.
45. **Fischer, Rebecca SB**, Mandayam, Sreedhar, Garcia, Melissa N, Gorchakov, Rodion, Chavarria, Denis, Murray, Kristy O. Mesoamerican Nephropathy in Nicaragua: Establishing a Clinical Case Definition. Poster Presentation, Baylor College of Medicine Pediatric Research Symposium, Houston, TX, Mar 2016.
46. **Fischer, Rebecca SB**, Reid, Michael JA, Mannathoko, Naledi, Steenhoff, Andrew P., Brown, Eric L. *Staphylococcus aureus* in Botswana: Carriage Prevalence, Persistence, Risk Factors, Antibiotic Resistance, and Molecular Epidemiology. Poster Presentation, American Society of Tropical Medicine & Hygiene 64th Annual Meeting, Philadelphia, PA, Oct 2015.
47. Murray, Kristy O, **Fischer, Rebecca SB**, Chavarria, Denis, Duttmann, Christiane, Garcia, Melissa N, Gorchkov, Rodion, Hotez, Peter J, Jiron, William, Leibler, Jessica H, Lopez, Job E, Mandayam, Sreedhar, Marin, Alejandro, Sheleby, Jessica, Wilder, Hannah. Mesoamerican Nephropathy: A Neglected Tropical Disease with an Infectious

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Etiology? Poster Presentation, American Society of Tropical Medicine & Hygiene 64th Annual Meeting, Philadelphia, PA, Oct 2015.

48. **Fischer, Rebecca SB**, Reid, Michael JA, Mannathoko, Naledi, Brown, Eric L, Steenhoff, Andrew P. *Staphylococcus aureus* nasal carriage among HIV-infected and uninfected children in Botswana. Podium Presentation, 2015 James Steele Conference on Diseases in Nature Transmissible to Man, Galveston, TX, May 2015.
49. Jessica Sheleby, **Rebecca Fischer**, Melissa Nolan, Jessica Leibler, Kristy Murray, Christiane Duttmann, Brenda Mora, Eveling Pérez, Byron Flores, William Jirón. Estudio piloto: Investigación de la etiología de un brote de una enfermedad renal no determinada en Nicaragua (Resultados preliminares). Podium Presentation, Reunión Internacional de países que están enfrentando brotes de leptospirosis en las Americas, Managua, NICARAGUA, Feb 2015.
50. **Fischer, RSB**, Michael Reid, Naledi Mannathoko, E.L. Brown, Andrew Steenhoff. *Staphylococcus aureus* in HIV-infected adults in Botswana. Poster Presentation, Conference on Retroviruses and Opportunistic Infections, Seattle, WA, Feb 2015.
51. **Fischer, RSB**, Michael Reid, Naledi Mannathoko, E.L. Brown, Andrew Steenhoff. Risk factors for *Staphylococcus aureus* carriage in HIV-infected outpatients in Southern Botswana. Poster Presentation, 5th Botswana International HIV Conference, Gaborone, BOTSWANA, Aug 2014.
52. Tolo, Isaiah, Thomas, Jonathan C., **Fischer, Rebecca S.B.**, Brown, Eric. L., Gray, Barry M., Robinson, D. Ashley. Do *Staphylococcus epidermidis* genetic clusters predict isolation sources? Poster Presentation, International Symposium on Staphylococci and Staphylococcal Infections, Chicago, IL, Aug 2014.
53. **Fischer, RSB**. *Lessons from the Field: Best Practices in Global Health Research*. Panel Member, Houston Global Health Collaborative Connect Conference, Houston, TX, March 2014.
54. **Bryson, RS**, Montealegre, JR. *Utilizing Students During Emergencies*. Podium Presentation and Panel Discussion. Public Health Preparedness Summit 2010, Atlanta, GA, Feb 2010.
55. **Bryson, RS**, Nieman, LZ, Cheng, L, Dumas, C. *Chronic Illness Needs Educated Doctors: An innovative training program prepares family medicine residents for improved management of the chronically ill*. Poster Presentation, North American Primary Care Research Group 36th Annual Meeting , Rio Grande, PUERTO RICO, Nov 2009.
56. **Bryson, RS**, Nieman, LZ, Cheng, L, Dumas C. *Chronic Illness Needs Educated Doctors: Improving Health-Related Quality of Life Through a More Focused Management of the Chronically Ill*. Poster Presentation, Advances in Teaching & Learning, Regional Conference, Houston, TX, Oct 2009.
57. **Bryson, RS**, Koers, EM, Montealegre, JR, Murray KO. *Student Epidemic Intelligence Society: Training Tomorrow's Public Health Workforce*. Podium Presentation, Texas Society of Public Health Education, Spring Conference 2009. Houston, TX, Mar 2009.
58. Montealegre, JR, Koers, EM, **Bryson, RS**. 2009. *Graduate Student Epidemiology Response: An Innovative Public Health Preparedness Training Program*. Roundtable Discussion, Public Health Preparedness Summit 2009, San Diego, CA, Feb 2009.

Invited Speaking Events and Guest Lectures

Lessons from the Field: Investigating an Epidemic of Unexplained Kidney Disease in Central America and other Epidemiologic Adventures. Texas A&M University College of Veterinary Medicine & Biomedical Sciences, Spring 2020.

Tropical Medicine and One Health. Texas A&M University College of Veterinary Medicine & Biomedical Sciences, 21st Century Global One Health Course, College Station TX, Jan 2020.

Rebecca S. B. Fischer

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

- Fundamentals of Planning Health Research.* Baylor College of Medicine 2019 Tropical Medicine Summer Institute, Houston, TX, Jun 2019.
- Lab Techniques in Epidemiologic & Clinical Research.* Baylor College of Medicine 2019 Tropical Medicine Summer Institute, Houston, TX, Jun 2019.
- Public Health in Action: Training in Outbreak Investigations,* TAMU SPH Epidemiology Student Organization, College Station TX, Mar 2019.
- Tropical Medicine and One Health.* Texas A&M University College of Veterinary Medicine & Biomedical Sciences, 21st Century Global One Health Course, College Station TX, Feb 2019.
- Tropical Medicine and One Health.* Texas A&M University College of Veterinary Medicine & Biomedical Sciences, 21st Century Global One Health Course, College Station TX, Oct 2018.
- Fundamentals of Planning Health Research.* Baylor College of Medicine 2018 Tropical Medicine Summer Institute, Houston, TX, Jun 2018.
- Lab Techniques in Epidemiologic & Clinical Research.* Baylor College of Medicine 2018 Tropical Medicine Summer Institute, Houston, TX, Jun 2018.
- Tropical Medicine Journal Club.* Baylor College of Medicine 2018 Tropical Medicine Summer Institute, Houston, TX, Jun 2018.
- Section President: *Epidemiologic Investigations of Spirochete Disease in Latin America.* Pedro Kourí Tropical Medicine Institute (IPK) Espiroquetas Habana 2018/Spirochetes Havana 2018, Havana, CUBA, May 2018.
- Mesoamerican Nephropathy in Nicaragua: Steps toward cracking a 20-year medical mystery.* The University of Texas Medical Branch, Galveston, TX, Apr 2018.
- Steps toward cracking a 20-year medical mystery in Central America.* Texas A&M University, Guest Seminar, College Station, TX, Apr 2018.
- Mesoamerican Nephropathy in Nicaragua: Understanding Early Clinical Predictors of Disease Progression.* BCM/TCH Renal Grand Rounds, Houston, TX, Jan 2018.
- Section Co-Chair: *Clinical Tropical Medicine and Global Health.* American Society of Tropical Medicine & Hygiene 65th Annual Meeting, Baltimore, MD, Nov 2017.
- Mesoamerican Nephropathy: Toward a Clinical Understanding of the Epidemic of Chronic Kidney Disease of Unknown Etiology in Latin America.* LI Congreso Nacional de Nefrología 2017, Chihuahua, MEXICO, Sep 2017.
- Fundamentals of Planning Epidemiologic Investigations & Ethics in Research.* Baylor College of Medicine 2017 Tropical Medicine Summer Institute, Houston, TX, Jun 2017.
- Lab Techniques in Clinical Research.* Baylor College of Medicine 2017 Tropical Medicine Summer Institute, Houston, TX, Jun 2017.
- Lessons from the Field: Investigating an Epidemic of Unexplained Kidney Disease in Central America and other Epidemiologic Adventures.* Houston Global Health Collaborative SUSTAIN Conference, Houston, TX, Mar 2017.
- Mesoamerican Nephropathy in Nicaragua: What does the Acute Clinical Presentation Tell Us?* BCM/TCH Renal Grand Rounds, Houston, TX, Feb 2017.
- Section Co-Chair: *Clinical Tropical Medicine.* American Society of Tropical Medicine & Hygiene 65th Annual Meeting, Atlanta, GA, Nov 2016.
- Field Investigations in Tropical Medicine.* Rice University Seminar in Tropical Medicine, Houston, TX, Oct 2016.
- Fundamentals of Research: Practical Design and Ethical Considerations.* Baylor College of Medicine 2016 Tropical Medicine Summer Institute, Houston, TX, Jun 2016
- Laboratory Techniques in Clinical Research.* Baylor College of Medicine 2016 Tropical Medicine Summer Institute, Houston, TX, Jun 2016

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Necropsy for Histopathologic Preservation in Field Collected Rodents, Practical. Universidad Nacional Autónoma de Nicaragua Escuela de Medicina Veterinaria, Leon, NICARAGUA, Jun 2016

Section President: *Epidemiologic Investigations of Spirochete Disease in Latin America.* Pedro Kourí Tropical Medicine Institute (IPK) Espiroquetas Habana 2016/Spirochetes Havana 2016, Havana, CUBA, May 2016

Practical Application of qPCR for the Detection of Pathogenic Leptospira in Serum using TaqMan Assay. Pedro Kourí Tropical Medicine Institute (IPK) Espiroquetas Habana 2016/Spirochetes Havana 2016, Havana, CUBA, May 2016

Epidemiology, Antibiotic Resistance, and Molecular Characteristics of Staphylococcus aureus carriage among HIV-infected and HIV-uninfected Children in Botswana. Baylor College of Medicine Tropical Medicine Seminar Series, Houston, TX, Feb 2016

Fundamentals of Clinical Investigation & Ethics in Medical Research. Baylor College of Medicine 2015 Tropical Medicine Summer Institute, Houston, TX, Jun 2015

Epidemiologic Investigations. Baylor College of Medicine 2015 Tropical Medicine Summer Institute, Houston, TX, Jun 2015

Detecting & Investigating Outbreaks. DeBakey Scientific Symposium. Houston, TX, Dec 2013

Detecting & Investigating Outbreaks. DeBakey Scientific Symposium. Houston, TX, Dec 2011

Detecting & Investigating Outbreaks. DeBakey Scientific Symposium. Houston, TX, Dec 2010

Successes of the Rabies Immunization & Eradication Assessment in Bohol, Philippines. PH 2990, UTSPH, Houston, TX, Sep 2010

Findings of the H1N1 Rapid Assessment at Ground Zero in La Gloria, Veracruz, Mexico. PH 5612, UTSPH, Houston, TX, Mar 2010

Response to the H1N1 Outbreak in Veracruz, Mexico, PH 2990, UTSPH, Houston, TX, Nov 2009

Scientific Participation

Professional Memberships & Associations

2018-Present	i3C: International Consortium of Collaborators on Chronic Kidney Disease of Unknown Etiology
2018-Present	National Center for Faculty Development and Diversity
2018-Present	Sigma Xi The Scientific Research Honor Society: Rice University Texas Medical Center Chapter
2018-Present	Society for Epidemiologic Research
2016-Present	Consortium for the Epidemic of Nephropathy in Central America and Mexico (CENCAM)
2016-Present	American Society for Microbiology
2016-Present	International Society of Nephrology
2016-Present	American Society of Nephrology
2015-Present	Association for Women in Science
2015-Present	American Association for the Advancement of Science
2014-Present	American Society of Tropical Medicine & Hygiene
2013-Present	International Society of Infectious Diseases
2010-2016	Infectious Disease Society of America
2015-2017	National Postdoctoral Association
2006-2013	American Public Health Association
2011-2013	American Association of University Women
2007-2011	Global Health Council
2006-2009	Texas Public Health Association
2007-2014	Student Epidemic Intelligence Society (SEIS), UTSPH

Rebecca S. B. Fischer

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Elected Student Government Positions

2009-2011	President, Student Epidemic Intelligence Society, UTSPH
2008-2009	Vice President of Outbreak Response, SEIS, UTSPH
2007-2009	Texas Medical Center Student Affairs Advisory Council
2007-2008	Assistant Vice President of Outbreak Response, SEIS, UTSPH
2007-2008	Regional Campus Liaison to the Student Association, UTSPH

Peer Reviewer, ad hoc

PLOS Neglected Tropical Diseases
PLOS One
International Journal of Infectious Diseases
BMC Infectious Diseases
Acta Tropica
American Journal of Industrial Medicine

Continuing Education and Training

Introduction to Agent-Based Modeling for Infectious Diseases. Institute for Disease Modeling Workshop. Baltimore, MD, Nov 19, 2019.

Field Applications for Stopping Infectious Disease Threats at International Points of Entry. ASTMH Committee on Global Health, ASTMH Annual Meeting Pre-Meeting Course. Baltimore, MD, Nov 20, 2019.

Joint FBI-CDC Criminal-Epidemiologic Investigations Workshop, Houston, TX, Jun 10-11, 2019.

Certificate in Clinical Tropical Medicine. Universidad Peruana Cayetano Heredia and the Gorgas Memorial Institute of Tropical and Preventive Medicine, Lima, PERU, Jan 27-Mar 30, 2018.

Clinical Presentation and Management of Arboviral Diseases: Lessons from the Bedside for Researchers at the Bench or in the Bush. ASTMH Arbovirology and Medical Entomology, Annual Meeting Pre-Meeting Course. Baltimore, MD, Nov 5, 2017.

Ethical and Regulatory Aspects of Clinical Research Course. The National Institutes of Health Clinical Center, Department of Bioethics. Sep 27-Nov 8, 2017.

Know Thine Enemy: Methods to Identify Mosquitoes and the Viruses They Carry. ASTMH Arbovirology and Medical Entomology, Annual Meeting Pre-Meeting Course. Atlanta, GA, Nov 12-13, 2016.

Clinical Scientist Training Program: Responsible Conduct of Research for Clinical Investigators (RCRCI). Baylor College of Medicine. August 22-25, 2016.

Import Training: FEDERAL PARTNERS IMPORT/EXPORT REGULATIONS. United States Federal Partners. Webcast, August 3-4, 2016.

High Consequence Infectious Disease Response: Ebola and Other Pathogens - A Multi-Disciplinary Workshop. Texas Department of State Health Services, Houston, TX, February 2-4, 2016.

Conferences Attended

American Society of Tropical Medicine & Hygiene 68th Annual Meeting, Washington, DC, Nov 2019
The James Steele Conference on Diseases in Nature Transmissible to Man (DIN), Ft Worth, TX, May 2019 (Poster Presenter)

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

World Congress of Nephrology 2019, International Society of Nephrology Annual Meeting, Melbourne, AUSTRALIA, April 2019

Consortium for the Epidemic of Nephropathy in Central America and Mexico & SALTRA Joint Workshop with PAHO & NIEHS: Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-traditional Etiology in Mesoamerica and Other Regions, San Jose, COSTA RICA, Mar 2019 (Member, Working Group Molecular Approaches to CKDu: Genetics, epigenetics, and infectious disease; Member, Working Group on Pathology).

2nd Annual Conference on Health of Migrants, University of Texas Medical Branch, Galveston, TX, Dec 2018

American Society of Tropical Medicine & Hygiene 67th Annual Meeting, New Orleans, LA, Oct 2018

Microbiology and Immunology 2018, Virtual Conference, Sept 2018

National Institutes of Diabetes and Digestive & Kidney Diseases *Workshop on Chronic Kidney Diseases in Agricultural Communities*, Bethesda, MD, Jun 2018.

Pedro Kourí Tropical Medicine Institute (IPK) Espiroquetas Habana 2018/Spirochetes Havana 2018, Havana, CUBA, May 2018 (Section President: *Epidemiologic Investigations of Spirochete Disease in Latin America*; Podium Presenter; Workshop Professor)

The James Steele Conference on Diseases in Nature Transmissible to Man (DIN), Houston, TX, May 2018 (Poster Presenter)

National Kidney Foundation 2018 Spring Clinical Meetings, Austin, TX, Apr 2018 (Poster Presenter)

American Society of Tropical Medicine & Hygiene 66th Annual Meeting, Baltimore, MD, Nov 2017 (Section Chair: *Clinical Tropical Medicine*; Podium Presenter; Poster Presenter)

American Society of Nephrology Kidney Week 2017, New Orleans, LA, Nov 2016 (Poster Presenter)

Colegio de Nefrologos de Mexico LI Congreso Nacional de Nefrología 2017, Chihuahua, Mexico, Sep 2017 (Invited Speaker)

World Congress of Nephrology 2017, International Society of Nephrology Annual Meeting, Mexico City, Mexico, May 2017 (Poster Presenter)

Houston Global Health Collaborative SUSTAIN Conference, Houston, TX, Mar 2017 (Podium Presenter).

American Society of Tropical Medicine & Hygiene 65th Annual Meeting, Atlanta, GA, Nov 2016 (Section Chair: *Clinical Tropical Medicine*; Podium Presenter; Poster Presenter)

American Society of Nephrology Kidney Week 2016, Chicago, IL, Nov 2016 (Poster Presenter).

Pedro Kourí Tropical Medicine Institute (IPK) Espiroquetas Habana 2016/Spirochetes Havana 2016, Havana, CUBA, May 2016 (Section President: *Epidemiologic Investigations of Spirochete Disease in Latin America*; Podium Presenter; Workshop Professor)

2016 James Steele Conference on Diseases in Nature Transmissible to Man, San Antonio, TX, May 2016 (Poster Presenter)

National Kidney Foundation Spring Clinical Meetings, Boston, MA, Apr 2016.

Houston Global Health Collaborative EMPOWER Conference, Houston, TX, Mar 2016 (Podium Presenter).

American Society of Tropical Medicine & Hygiene 64th Annual Meeting, Philadelphia, PA, Oct 2015 (Poster Presenter; Global Health Committee Travel Award Recipient; Young Investigator Award Competitor)

2015 James Steele Conference on Diseases in Nature Transmissible to Man, Galveston, TX, May 2015 (Podium Presenter)

Conference on Retroviruses and Opportunistic Infections, Seattle, WA, Feb 2015 (Poster Presenter).

Reunión Internacional de países que están enfrentando brotes de leptospirosis en las Americas, Managua, NICARAGUA, Feb 2015. (Panel Presenter)

American Society of Tropical Medicine & Hygiene 63rd Annual Meeting, New Orleans, LA, Oct 2014.

Fancy Gap Immunoparasitology Workshop, Fancy Gap, VA, Oct 2014 (Invited Participant).

Rebecca S. B. Fischer

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Houston Global Health Collaborative CONNECT Conference, Houston, TX, Mar 2014 (Panel Presenter).
60th Annual Epidemic Intelligence Service Conference, Centers for Disease Control, Atlanta, GA, Apr 2012.
58th Annual Epidemic Intelligence Service Conference, Centers for Disease Control, Atlanta, GA, Apr 2010.
Texas Society of Public Health Education Spring Conference 2009, Texas Association of Public Health, 2009 (Podium Presenter).
American Public Health Association, Philadelphia, PA, Nov 2009 (UTSPH Student Designee).
57th Annual Epidemic Intelligence Service Conference, Centers for Disease Control, Atlanta, GA, Apr 2009.
Public Health Preparedness Summit 2009, San Diego, CA, Feb 2009 (Roundtable Presenter).
Public Health Preparedness Summit 2008, Atlanta, GA, Feb 2008.

International Research

- 2019-Present Nicaragua. T3 The Burden of Crop and Livestock Disease-Associated Production Losses. Principal Investigator: Dr. Brian Colwell; Co-Investigators: Dr. Christine Budke (TAMU), **Dr. Rebecca Fischer**, Dr. Byron Flores Somarriba (UNAN-Leon, Nicaragua), Dr. Christiane Duttmann (UNAN-Leon, Nicaragua)
- 2018-Present Leon, Nicaragua. Investigation into the Epidemic of Unexplained Kidney Disease in Nicaragua: Understanding the Acute Clinical Scenario and Natural History of Disease in Mesoamerican Nephropathy **Principal Investigator: Dr Rebecca Fischer**; Co-Investigators: Dr Kristy Murray (BCM), Dr Sreedhar Mandayam (BCM), Dr Ramon Garcia Trabanino (El Salvador), Dr Samuel Vilchez (UNAN-Leon, Nicaragua), Dr Victor Zeledon (UNAN-Leon, Nicaragua)
- 2018-Present Central America. An Integrated One Health Approach to Detect and Respond to Emerging Disease Threats in High-Risk Regions of Central America.
Principal Investigator: Dr Kristy Murray (BCM)
The primary focus of this study will be to conduct active surveillance among patients presenting at sentinel hospital sites in Belize and El Salvador, with targeted diagnostics for vector-borne, respiratory, and enteric pathogens.
- 2012-Present Gaborone, Botswana. Prevalence, antibiotic resistance profile, and genetic characterization of Staphylococcus aureus colonizing adults and children in Botswana and risk factors for colonization **Principal Investigator: Rebecca (Bryson) Fischer**
Co-Investigators: Dr Eric Brown (UTSPH), Dr Mike Reid (UPenn), Dr Andrew Steenhoff (UPenn), Dr Gerard Morris (UPenn), Dr Naledi Mannathoko (University of Botswana)
Design and oversee assessment of prevalence of and risk factors for S. aureus asymptomatic colonization among patients of two large outpatient clinics in Gaborone, Botswana, and define molecular characteristics of isolated bacteria. Research includes interviews and bacterial sample collection. Specifically, a case-control sub-study examines the above specifically among HIV-infected and non-infected adults and children.
- 2009 Bohol, Philippines. Rapid Assessment of the Bohol Rabies Prevention and Eradication Program (BRPEP). Supervisors: Dr Betsy Miranda (World Health Organization), Dr Stella Lapiz (Provincial Veterinarian, Bohol, Philippines), Dr Kristy Murray (UTSPH).

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Island-wide assessment of KABs and dog vaccination coverage in 30 communities; served as team lead of 5-member UTSPH student team.

- 2009 Veracruz, Mexico. Rapid Assessment of 2009 H1N1 outbreak in La Gloria, Veracruz, Mexico.
Supervisor: Dr Kristy Murray (UTSPH).
Community rapid assessment at Mexico epicenter of pandemic H1N1.
- 2008 Intibucá, Honduras. Assessment of Child Health and Household Risk Factors for Stunting in Rural Honduras
Supervisor: Dr Erin Koers (CDC, UTSPH).
Child nutrition status and community health KABs in 30 communities.

Other Research

- 2020-Present COVID-19: Natural History of SARS-CoV-2 Infection and Community Transmission Dynamics
Principal Investigator: Dr. Rebecca Fischer
Co-Investigators: Dr. Martial Ndeffo (TAMU)
Texas-based longitudinal study amount households with index cases of COVID-19.
- 2014-2017 Active Surveillance for Mosquito-borne Diseases Among Pediatric Patients
Principal Investigator: Dr Julie Boom (Texas Children's Hospital).
Research support, including specimen collection, laboratory testing, data management, analysis & manuscript preparation
- 2013-2015 Genome-wide association to *Staphylococcus aureus* carriage
Principal Investigator: Dr Eric Brown (UTSPH), Dr Craig Hanis (UTSPH).
Research support, data management; data analysis & manuscript preparation
- 2013 Epidemiology and Clinical Investigation of West Nile Virus: "WNV/CKD Case Control Study"
Principal Investigator: Dr Amber Podoll
Research support, including interview data collection and biologic sample collection (blood & urine), transport & storage; database design.
- 2011-2013 Epidemiology and Clinical Investigation of West Nile Virus: "Epidemiology of Arboviral Encephalomyelitis in Houston" & "West Nile Virus Infection and Immunity in the Elderly: Mechanisms of Vulnerability" & "Immune response and viral persistence in West Nile virus infected patients" & "Viral persistence and immunity in West Nile virus infected patients" & "Renal and Neurological Outcomes in Chronically Infected West Nile Virus Patients"
Principal Investigator: Dr Rodrigo Hasbun (UTSPH).
Patient enrollment, scheduling and consent. Research support, interview data collection, and biologic sample collection (blood & urine), transport & storage.
- 2010-2013 Catalytic Antibodies to *Staphylococcus aureus*
Principal Investigator: Dr Eric Brown (UTSPH).

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Curriculum Vitae

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Research support, including enrollment, data collection, sample collection & processing, data management

- 2010 Community Needs Assessment for the Motherland Clinic and Hour Clinics in Houston, TX.
Principal Investigators: Rebecca Bryson, Jamie Emert (UTSPH); Faculty Mentor: Dr Kristy Murray (UTSPH).
Organized and conducted a rapid assessment of the community health needs in three underserved areas of Houston; three community health clinics requested a summary of the health status and needs in households within the census tracts that each serves in order that they may apply for grant funding to expand and/or improve the health services offered at their clinics.
- 2007-2009 Graduate Student Epidemiology Response: An Innovative Public Health Preparedness Training Program
Principal Investigator: Dr Kristy Murray (UTSPH).
Curriculum development, training, organization, and evaluation of a graduate student extracurricular training program
- 2007-2009 Pediatric Antibody response to Panton-Valentin Leukocidin, a virulence factor of *Staphylococcus aureus*
Principal Investigator: Dr Eric Brown (UTSPH).
Laboratory research, data analysis, and manuscript preparation.

Grant Funding

Texas A&M Abroad – Global Engagement Grant

PIs: Dr Rebecca Fischer, Dr Christine Blackburn (TAMU), Dr Leslie Ruyle (TAMU)

Total Budget: \$25,000 - **SUBMITTED**

N.I.H. National Institutes of Diabetes and Digestive and Kidney Diseases (R21)

PI: Rebecca Fischer

12/01/2020-11/30/2022

Title: Uncovering the dynamic pathophysiology of Mesoamerican Nephropathy

Total Budget: \$275,000 - **SUBMITTED**

Texas A&M University and the Consejo Nacional de Ciencia y Tecnología (CONACYT) Research Grant

PI: Rebecca Fischer

06/01/2020-05/31/2021

Title: Molecular characterization of antimicrobial heteroresistance in *Staphylococcus aureus* isolated from humans on the Mexico-Texas border

Total Budget: \$30,000 - **SUBMITTED**

Fulbright U.S. Scholar Program

08/01/2020 – 07/31/2020

PI Rebecca Fischer

Title: Integrative Training for Applied Public Health: Utilizing Students to Advance Research into the Mysterious Epidemic of Unexplained Kidney Disease in Central America

SUBMITTED

N.I.H. Fogarty Center International (K01)

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Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

PI: Rebecca Fischer 09/21/2018-03/31/2023
Title: Investigation into the Epidemic of Unexplained Kidney Disease in Nicaragua: Understanding the Acute Clinical Scenario and Natural History of Disease in Mesoamerican Nephropathy
Annual Budget: \$138,332

Comite Nacional de Productores de Azucar de Nicaragua (CNPA)
PI: Kristy Murray; Role: Postdoctoral Associate 09/01/2014-01/01/2018
Title: Investigation into The Etiology Of Unexplained Kidney Disease In Nicaragua

U.S. Centers for Disease Control (CDC)
PI: Julie Boom; Role: Graduate Research Assistant 03/01/2014-06/01/2016
Title: Active Surveillance for Mosquito-Borne Diseases Among Pediatric Patients

Gillson Logenbaugh Foundation (GLF)
PI: Kristy Murray; Role: Graduate Research Assistant 10/01/2012-05/01/2013
Title: Viral Persistence and Immunity in West Nile Virus Infected Patients

Kleburg Foundation
PI: Eric Brown; Role: Graduate Research Assistant 08/01/2009-12/01/2012
Title: Genome-Wide Association Study of *S. aureus* Carriage in a Starr County Mexican-American Population

Non-Funded Grant Applications

TAMU Presidential Transformational Teaching Grant 07/01/2020-06/30/2022
PI: Rebecca Fischer
Title: Puzzles in Environmental Epidemiology: Investigating a Mysterious Epidemic in Nicaragua
Total Budget: \$60,000

TAMU Presidential X-Grant
Title: Optimizing Groundwater Quality and Supply by Quantifying Trade-offs between Groundwater Needs, Arsenic Concentrations, Human Health and Economic Well-being
PI: Peter Knappett; Role: Co-Investigator
Total Budget: \$100,000

National Institute of Diabetes and Digestive and Kidney Diseases & the University of Pennsylvania Chronic Kidney Disease Biomarkers Consortium (CKD BioCon) Scientific and Data Coordinating Center Pilot and Feasibility Studies Program (PFSP) Funding
PI: Rebecca Fischer 01/01/2020-12/31/2020
Title: Mesoamerican Nephropathy: Using Biomarkers to Understand Clinical Disease Progression
Total Budget: \$75,000

ASN Foundation for Kidney Research (ASN Foundation) Career Development Grant 07/01/2019-06/30/2021
PI: Rebecca Fischer
Title: Quest for Diagnostic and Prognostic Biomarkers across the Lifespan in Mesoamerican Nephropathy

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Annual Budget: \$100,000

Teaching Experience

TAMU School of Public Health PHEB 619 Spring 2019 (3-credit hours) “Infectious Disease Epidemiology”

TAMU School of Public Health PHEB 619 Spring 2020 (3-credit hours) “Infectious Disease Epidemiology”

Various Guest Lectures at TAMU in Graduate Courses (Environmental Epidemiology, Spatial Epidemiology, One Health, Epidemiology Methods II, Data Management; and Undergraduate Course (Introduction to Epidemiology)

Curriculum Development

1. TAMU School of Public Health PHEB 619 (3-credit hours; Graduate level) “Infectious Disease Epidemiology”
2. Public Health Preparedness Training Program (PHPTP), a graduate student epidemiology response program (GSERP). The PHPTP seeks to train graduate students as a surge capacity workforce of epidemiologic responders, available on an on-call basis to health departments and other emergency response entities during emergencies. Training modules of the program (which vary from 1-hour lectures to 8-hour hands-on practical exercises) include: Ethics & Confidentiality, Risk Communication, Interviewer Training, Outbreak Response, Physical Readiness, Using Epidemiologic Software, and Rapid Assessment.
The University of Texas School of Public Health; Developed in 2009 for graduate and medical students across the Texas Medical Center and Health Department employees.
3. Outbreak Investigation Workshop. This didactic workshop begins with a 1-hour lecture-based introduction to purpose, methods, and goals of responding to infectious disease outbreaks. A 2-hour practical exercise, based on real, historical outbreaks investigated by the CDC Epidemic Intelligence Officers, allows hands-on application of principles.
The University of Texas School of Public Health; Developed in 2009 for high school students and undergraduate students and in 2010 for graduate and medical students.

Mentor Experience

Research Supervision

- | | |
|---|-----------------------|
| Devika Dharmala – MPH Student, Epidemiology (TAMU) | Feb 2020 - Present |
| Research Project: Borderline Oxacillin-Resistant <i>Staphylococcus aureus</i> (BORSA) – a rare antibiotic resistance phenotype | |
| Madhuri Uppuluri – MPH Student, Epidemiology (TAMU) | Nov 2019 - Present |
| Research Project: Maternal morbidity and mortality associated with Dengue Virus Infection during Pregnancy: A Systematic Review | |
| Alyssa McNulty, MPH – DrPH Student, Epidemiology (TAMU) | Nov 2019 - Present |
| Research Project: Trends in Zoonotic and Vector-borne Diseases in the U.S. and Texas –Impact of Weather parameters and changing Climate on Disease Surveillance Data in the U.S. and in Texas | |
| Research Project: Seroprevalence and Risk Factors for Rickettsiosis in a Cohort of Hunters in Texas | |
| Tesha Landry*, Brittany Beasley, Santiago Canel Soria, Samuel Karsky*, Shea Reuter – (TAMU – Various undergraduate) | Feb 2020 - Present |
| Research Project: Trends in Zoonotic and Vector-borne Diseases in the U.S. and Texas –Impact of Weather parameters and changing Climate on Disease Surveillance Data in the U.S. and in Texas | |
| Haley Schake – B.S. Biomedical Sciences (TAMU) | May 2019 – April 2020 |
| Research Project: Urinary Microbiome in Individuals with Acute Mesoamerican Nephropathy (MeN) in Nicaragua | |

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

- Jolie Starling – B.S. Forensic Sciences (TAMU) Jan 2019 – Apr 2020
Research Project: Findings in Stool Microscopy during Community Health Screenings in Nicaragua; Epidemiology of Intestinal parasitism in Nicaragua, A review and Meta-Analysis
- Oluwakemi Alonge – MPH Student, Epidemiology (TAMU) Feb 2019 - Present
Research Project: Borderline Oxacillin-Resistant *Staphylococcus aureus* (BORSA) – a rare antibiotic resistance phenotype
- Ranu Chouhan – MPH Student, Epidemiology (TAMU) Feb 2019 – Dec 2019
Research Project: Epidemiology of Kidney Disease in Nicaragua – A Systematic Review of the Literature and Spatial Analysis using National Surveillance Data
- Anna Strasma, MD – Resident, Internal Medicine (BCM) Dec 2017 - Present
Research Project: Urinary Findings among Apparently Healthy community members in a region of Nicaragua with a High Burden of Mesoamerican Nephropathy
- Alyssa McNulty – MPH Student, Epidemiology (TAMU) May 2019 – Aug 2019
Research Project: Seroprevalence and Risk Factors for Rickettsiosis in a Cohort of Hunters in Texas
Research Project: Leptospirosis in Texas: Historical perspective and Seroprevalence in a Cohort of Hunters in Texas
- Leigh Ellyn Preston, MPH – DrPH Student, Epidemiology (TAMU) Oct 2018 – May 2019
Research Project: Typhus Group Rickettsiosis among Patients Hospitalized at Baylor Scott & White and Animals Captured in Central Texas

Academic Advising

Alyssa McNulty, TAMU (DrPH)	Aug 2019-Present
Kristen Williams, TAMU (MPH)	Aug 2019-Dec 2019
Kyleigh Glasper, TAMU (MPH)	Aug 2019-Present
Layla Lustri, TAMU (MPH)	Aug 2019-Present
Natasha Jahani, TAMU (MPH)	Aug 2019-Present
Nishat Hasan, TAMU (MPH)	Aug 2019-Present
Nicole Patterson, TAMU (MPH)	Aug 2019-Present
Ashton Adelhart, TAMU (MPH)	Aug 2019-Present
Leigh Ellyn Preston, TAMU (DrPH)	Oct 2018-May 2019

Thesis Committees

- Alyssa McNulty, MPH – DrPH Student, Epidemiology (TAMU) Nov 2019 - Present
- Leigh Ellyn Preston, DrPH MPH
Dissertation Title: Epidemiology of Typhus Group Rickettsiosis among Humans and Animal Reservoirs in Central Texas.
Manuscript in preparation: Clinico-epidemiology of Typhus Group Rickettsiosis in Central Texas, 2008-2017, *American Journal of Tropical Medicine & Hygiene*
Role: Advisor, Committee Chair, and Research Supervisor; Oct 2018-May 2019
Graduation date: May 2019
Current Position: CDC research fellow
- Shanette Billings, MSc. (TAMU)
Role: Committee Member; Feb 2019-Dec 2019

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Graduation date: December 2019

Nicole Delgado, MPH (UTSPH)

Role: Committee Member and Research Supervisor; Dec 2017-Dec 2018

Thesis Title: Investigation of Hantavirus and Leptospirosis as Possible Contributing Causes of Unexplained Kidney Disease Epidemic in Nicaragua

Graduation date: December 2018

Adriana Maliga, MPH (Columbia University Mailman School of Public Health)

Role: Committee Member and Research Supervisor; Dec 2017-May 2018

Graduation date: May 2018

Current Position: Research Coordinator at Baylor College of Medicine

Tiered Mentorship:

MPH/MSPH Students

Adrianna Maliga, Columbia University Mailman School of Public Health Jun 2017-May 2018

Nicole Delgado, UTSPH Jun 2017-Dec 2017

Vera Won, UTSPH May 2017-Dec 2017

Hannah Worrall, UTSPH Jan 2017-Dec 2017

Linda Garcia, UTSPH May 2015-Jun 2017

Edward Davila, TAMU SPH May 2016-Aug 2016

Timothy Erickson, TAMU SPH Jan 2015-Apr 2015

Heather Essigmann, UTSPH Jan 2014-Dec 2014

Erin McHugh, UTSPH Jan 2013-Jun 2013

Amy McElhaney, UTSPH Dec 2012-Feb 2013

PhD Students

Timothy Erickson, UTSPH Mar 2016-Dec 2016

Kristyn Hoffman, BCM GSBS Jan 2017-Mar 2017

Post-doctoral Associate

Shannon Ronca, BCM Aug 2016-Dec 2017

Medical Students

Madeline Clark, UT Medical School May 2016-Aug 2016

Kaitlyn Carlson, UT Medical School May 2016-Aug 2016

Koby Caplan, BCM Medical School Jun 2016-Jul 2016

Lauren Middleton, Mercer University School of Medicine Aug 2014; May 2016-Jun 2016

Veterinary Students

Erin Black, TAMU College of Veterinary Medicine & Biomedical Sciences Jun 2016

Academic Service

Member, Texas A&M Emergency Management Advisory Group (TEMAG), Texas A&M University; 2020-Present

Member, Task Force on Outbreak Response Assessment (TFORA), Texas A&M University; 2020-Present

Member, Working Group on Modeling COVID-19; Texas A&M School of Public Health; 2020-Present

Advisor, Epidemiology Student Organization; Texas A&M School of Public Health; 2018-Present

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Committee for Curriculum Development of PhD in Epidemiology; Texas A&M School of Public Health; Aug 2019 - Present

Faculty Member, Interdisciplinary Faculty of Toxicology, a T32 Program at TAMU's College of Veterinary Medicine and Biomedical Sciences, Dec 2019-Present

Faculty Facilitator for TAMU Student One Health Association Outbreak Simulation, an interdisciplinary student-organized activity of the TAMU Health Science Center, Nov 2019-Present

Search Committee for Assistant Vice President of Research; Texas A&M Health Science Center; 2018

Faculty Search Committee; Texas A&M School of Public Health, Department of Epidemiology & Biostatistics; 2018-2019

Websites

<https://sph.tamhsc.edu/epi-bio/faculty/rebecca-fischer.html>

https://www.researchgate.net/profile/Rebecca_Fischer2

<https://www.ncbi.nlm.nih.gov/sites/myncbi/rebecca.fischer.1/bibliography/42191695/public/?sort=date&direction=descending>

<https://tamhsc.academia.edu/RebeccaFischer>

Other Works Communicating Science and Research to the General Public

1. **Coronavirus is officially in Texas prisons and jails. Now what?** The Texas Tribune. March 25, 2020; <https://www.texastribune.org/2020/03/25/coronavirus-texas-prisons-jails-containment/>.
2. **Fleeing from the coronavirus is dangerous for you, the people you encounter along the way and wherever you end up.** The Conversation. 23 March 2020; <https://theconversation.com/fleeing-from-the-coronavirus-is-dangerous-for-you-the-people-you-encounter-along-the-way-and-wherever-you-end-up-133995>.
3. **After disjointed coronavirus response from Texas cities, Abbott acted. Was it too late?** Fort Worth Star-Telegram. 22 March 2020; <https://www.star-telegram.com/news/state/texas/article241350296.html>.
4. **Texas fights virus with new rules - HEALTH DISASTER: Abbott joins in shutting schools.** The Houston Chronicle. 20 March 2020; <http://digital.olivesoftware.com/olive/ODN/HoustonChronicle/shared/ShowArticle.aspx?doc=HHC%2F2020%2F03%2F20&entity=Ar00202&sk=0AC1BFC4&mode=text>.
5. **Area gyms close due to coronavirus concerns.** The Eagle, subject matter expert interview. 18 March 2020; https://www.theeagle.com/news/local/area-gyms-close-due-to-coronavirus-concerns/article_d21c3990-6983-11ea-89ab-e7b6ee7c3ecd.html.
6. **XXXX.** Texas A&M University Athletics
7. **How health officials are dealing with COVID-19 at local, state and federal levels.** KBTX Broadcast news (CBS), subject matter expert interview. 17 March 2020; <https://www.kbtx.com/content/news/How-health-officials-are-dealing-with-COVID-19-at-the-local-state-and-federal-levels-568878991.html?ref=991>.
8. **A&M epidemiologist expects COVID-19 cases to increase swiftly.** KBTX Broadcast news (CBS), subject matter expert interview. 13 March 2020; <https://www.kbtx.com/content/news/AM-epidemiologist-expects-COVID-19-cases-to-increase-swiftly-568786631.html>.
9. **What's the Difference between an Epidemic and a Pandemic.** The Texas Standard radio broadcast. 13 March 2020; <https://www.texasstandard.org/stories/whats-the-difference-between-an-epidemic-and-a-pandemic/>.

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

10. **Coronavirus “already constitutes a pandemic:” Expert.** Al Arabiya News, subject-matter expert interview, 08 March 2020; <https://english.alarabiya.net/en/News/world/2020/03/08/Coronavirus-already-a-pandemic-under-WHO-guidelines-Expert.html>.
11. **What’s the difference between pandemic, epidemic and outbreak?** The Conversation. 09 March 2020; <https://theconversation.com/whats-the-difference-between-pandemic-epidemic-and-outbreak-133048>.
12. **Coronavirus increasingly likely to cause global disruption, recession.** Al Arabiya News, subject-matter expert interview, 05 March 2020; <https://english.alarabiya.net/en/features/2020/03/05/Coronavirus-increasingly-likely-to-cause-global-disruption-recession-Experts.html>.
13. **Tech companies fight back against misinformation about coronavirus.** Al Arabiya News, subject-matter expert interview, 04 February 2020; <https://english.alarabiya.net/en/News/world/2020/02/04/Misinformation-amid-coronavirus-outbreak-tech-companies-fight-back.html>.
14. **Debunking coronavirus myths: Sesame oil doesn’t help, neither does holy basil.** Al Arabiya News, subject-matter expert interview, 02 February 2020; <https://english.alarabiya.net/en/variety/2020/02/02/Debunking-coronavirus-myths-Sesame-oil-doesn-t-help-neither-does-holy-basil.html>.
15. **Coronavirus patient cured in Guizhou, says official Chinese media.** Al Arabiya News, subject-matter expert interview, 30 January 2020; <http://english.alarabiya.net/en/News/world/2020/01/30/Coronavirus-patient-cured-in-Guizhou-says-official-Chinese-media.html>
16. **Dubai authorities warn of face mask price gougers amid coronavirus epidemic.** Al Arabiya News, subject-matter expert interview, 30 January 2020; <http://english.alarabiya.net/en/business/economy/2020/01/30/Dubai-authorities-warn-of-face-mask-price-gougers-amid-coronavirus-epidemic.html>
17. **How to protect your children from coronavirus.** Al Arabiya News, subject-matter expert interview, 29 January 2020; <http://english.alarabiya.net/en/News/world/2020/01/29/How-to-protect-your-children-from-coronavirus.html>
18. **US Officials Flag Over 100 Potential Chinese Virus Cases.** Courthouse News Service, subject-matter expert interview, 27 January 2020; <https://www.courthousenews.com/us-officials-flag-over-100-potential-chinese-virus-cases/>.
19. **THE KIDNEY DISEASE EPIDEMIC IN CENTRAL AMERICA: Research into a new type of kidney disease, called Mesoamerican nephropathy, funded by National Institutes of Health,** Vital Record: News from Texas A&M University Health Science Center, September 9, 2019; <https://vitalrecord.tamhsc.edu/the-kidney-disease-epidemic-in-central-america/>
20. **Association of Schools & Programs of Public Health,** Friday Letter, September 6, 2019
“NIH-funded Research Study into Kidney Disease Epidemic in Central America”
21. **American Society of Tropical Medicine & Hygiene,** Annual Meeting Blog, November 2017
“Scientists Identify Potential Risk Factors in Mysterious Epidemic of Deadly Kidney Disease in Central American Farm Workers”
<https://www.astmh.org/annual-meeting-blog/november-2017/scientists-identify-potential-risk-factors-in-myst>
22. **Baylor College of Medicine Blog Network,** Interview with Julia Bernstein, May 2017
“On the path to solving a medical mystery in Nicaragua”
<https://blogs.bcm.edu/2017/05/09/on-the-path-to-solving-a-medical-mystery-in-nicaragua/>
23. **KUHF Radio Interview** with Ed Mayberry of Morning Edition, March 2011
http://app1.kuhf.org/houston_public_radio-news-display.php?articles_id=1301432663

Curriculum Vitae

Rebecca Susann Bryson Fischer, PhD MPH DTM&H

Spotlight on student run organization that provides public health surge capacity in times of public health emergencies – Hurricanes, influenza, food borne illness -- Provide students with the knowledge and skills to function in a variety of possible disaster settings

24. **The Nation's Health Interview** with Teddi Dineley Johnson, July 2010

“Student emergency workers provide surge capacity: Partnerships benefit public health students, health departments” *The Nation's Health*, July 2010, 40:17

25. **State of Tomorrow Taping**, PBS Commercial on Biosafety Series, March 2009

<http://www.stateoftomorrow.com/series/documentary.htm>

“State of Tomorrow” is an award-winning series highlighting groundbreaking research at the Texas public universities