

October 13, 2023

CURRICULUM VITAE
Silvia S. Chiang, MD, ScM

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EDUCATION

Undergraduate Stanford University, BA (Human Biology) 2002
Medical School Case Western Reserve University School of Medicine, MD 2009
Graduate School Brown University School of Public Health, ScM (Clinical and Translational Research) 2022

POSTGRADUATE TRAINING

Internship and Residency Boston Combined Residency in Pediatrics
(Boston Children's Hospital/Harvard Medical School and Boston Medical Center/Boston University School of Medicine)
• Pediatrics, 2009-2012
Fellowship Baylor College of Medicine/Texas Children's Hospital
• Pediatric Infectious Diseases, 2013-2016
Research Fellowship Harvard Medical School
• Department of Global Health and Social Medicine, 2015-2016

POSTGRADUATE HONORS AND AWARDS

- Fulbright U.S. Scholar Award (Brazil), 2023-2024
- Loan Repayment Program Renewal Award, National Institute of Allergy and Infectious Diseases, National Institutes of Health, 2022
- Early Career Research Achievement Award, Brown University, 2020
- Loan Repayment Program Renewal Award, National Institute of Allergy and Infectious Diseases, National Institutes of Health, 2020
- Commendation for Excellence in Mentoring of Student Research, Emerging Infectious Disease Scholars Program of Brown University, 2019
- Young Physician-Scientist Award, American Society for Clinical Investigation, 2018
- Loan Repayment Program Renewal Award, National Institute of Allergy and Infectious Diseases, National Institutes of Health, 2018
- Fred Lovejoy Research Award, Boston Children's Hospital, 2011
- Paul Schliesman Fellowship, Boston Children's Hospital, 2011
- Von L. Meyer Award, Boston Children's Hospital, 2011
- Paul Schliesman Fellowship, Boston Children's Hospital, 2010

- Von L. Meyer Award, Boston Children's Hospital, 2010
- Daniel Lewis Ravin, M.D. Memorial Award in Environmental Health, Case Western Reserve University School of Medicine, 2009
- Chinese American Medical Society Scholarship, 2008

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

- Board Certified in Pediatric Infectious Disease, American Board of Pediatrics, 2017-present
- Board Certified in General Pediatrics, American Board of Pediatrics, 2013-present
- Rhode Island Medical License, 2016-present
- State of Texas Physician in Training Permit, 2013-2016
- Missouri Medical License, 2012-2014
- Massachusetts Limited Medical License, 2009-2012
- Drug Enforcement Agency License, 2012-present

ACADEMIC APPOINTMENTS

- Assistant Professor (Research Scholar Track), Department of Pediatrics, Alpert Medical School of Brown University, 2017-present
- Instructor (Research), Department of Pediatrics, Alpert Medical School of Brown University, 2016-2017
- Clinical Postdoctoral Fellow, Baylor College of Medicine, 2013-2016
- Clinical Instructor in Pediatrics, Harvard Medical School, 2009-2012
- Clinical Instructor in Pediatrics, Boston University School of Medicine, 2009-2012

HOSPITAL APPOINTMENTS

- Attending Physician, RISE Tuberculosis Clinic, 2021-present
- Attending Physician, Pediatric Infectious Disease, Hasbro Children's Hospital, 2018-present
- Attending Physician, Pediatric Infectious Disease, Women and Infants Hospital, 2018-present
- Attending Physician, Pediatric Hospital Medicine, Hasbro Children's Hospital, 2016-2018
- Clinical Postdoctoral Fellow, Infectious Disease, Texas Children's Hospital, 2013-2016
- Attending Physician, Pediatrics, SSM St. Joseph's Hospital West, 2012-2013
- Attending Physician, Pediatrics, SSM DePaul Hospital, 2012-2013
- Resident in Pediatrics, Boston Children's Hospital, 2010-2012
- Resident in Pediatrics, Boston Medical Center, 2010-2012
- Intern in Pediatrics, Boston Children's Hospital, 2009-2010
- Intern in Pediatrics, Boston Medical Center, 2009-2010

UNIVERSITY AND HOSPITAL COMMITTEES

- Chair, Grand Rounds Committee, Department of Pediatrics and Hasbro Children's Hospital
- Framework Executive Committee, Global Health Initiative, Brown University

MEMBERSHIP IN SOCIETIES

- International Union against Tuberculosis and Lung Disease, 2014-present
- Child and Adolescent TB Working Group of the World Health Organization, 2014-present
- The Sentinel Project on Pediatric Drug-Resistant Tuberculosis, 2012-present
- Infectious Disease Society of America, 2013-present

SERVICE TO PROFESSIONAL ORGANIZATIONS

Ad-Hoc Grant Reviewer

- Health Research Council of New Zealand, 2023
- Medical Research Council (U.K.), 2021

Contributions to the World Health Organization (WHO)

- Peer reviewer, WHO Ethics Review Committee, 2023
- Contributor, WHO Roadmap to Ending Child and Adolescent Tuberculosis, 2023
- External evidence reviewer, WHO Consolidated Guidelines on Tuberculosis, Module 5: Management of Tuberculosis in Children and Adolescents, 2021
- External evidence reviewer, WHO Operational Handbook on Tuberculosis, Module 5: Management of Tuberculosis in Children and Adolescents, 2021

Abstract Reviewer

- World Lung Conference, International Union against Tuberculosis and Lung Disease, 2017-current

Editorial Board Member

- *PLoS One*, 2018-2022

Ad-Hoc Journal Reviewer (prior 5 years)

- *American Journal of Tropical Medicine and Hygiene*, 2018, 2020
- *BMC Pulmonary Medicine*, 2022
- *BMC Infectious Diseases*, 2019-2020
- *BMC Pediatrics*, 2020
- *BMJ Open*, 2020-2023
- *Clinical Infectious Diseases*, 2018-2022
- *Emerging Infectious Diseases*, 2022
- *Frontiers in Public Health*, 2023
- *International Journal of Tuberculosis and Lung Disease*, 2018, 2020-2021, 2023
- *JAMA Network Open*, 2022
- *Journal of Adolescent Health*, 2022-2023

- *Journal of the Pediatric Infectious Disease Society*, 2018-2019, 2021
- *Open Forum Infectious Diseases*, 2023
- *Pathogens*, 2022
- *PLOS Global Public Health*, 2023
- *Scientific Reports*, 2020

PUBLICATIONS LIST

Original Research Studies in Peer-Reviewed Journals

1. **Chiang SS**, Zeng C, Roman Sinche B, Altamirano E, Beckhorn CB, León Ostos K, Espinoza Meza R, Lecca L, Franke MF. Adaptation and validation of a tuberculosis stigma scale for adolescents in Lima, Peru. *Int J Tuberc Lung Dis* 2023;27(10):754-760. doi: 10.5588/ijtld.23.0104. PMID: 37749835.
2. **Chiang SS**, Senador L, Altamirano E, Wong M, Beckhorn CB, Roche S, Coit J, Oliva Rapoport VE, Lecca L, Galea JT. Adolescent, caregiver, and provider perspectives on adherence to treatment for rifampicin-susceptible tuberculosis: a qualitative study from Lima, Peru. *BMJ Open* 2023;13(5):e069938. doi: 10.1136/bmpopen-2022-069938. PMID: 37202135.
3. Oliva Rapoport VE, Altamirano E, Senador L, Wong M, Beckhorn CB, Coit J, Roche S, Lecca L, Galea JT, **Chiang SS**. The impact of prolonged isolation on adolescents with drug-susceptible tuberculosis in Lima, Peru: A qualitative study. *BMJ Open* 2022;12:e063287. doi:10.1136/bmjopen-2022-063287. PMID: 36127091.
4. Khalife S, Jenkins HE, Dolynska M, Terleieva I, Varchenko I, Liu T, Carter EJ, Horsburgh CR, Rybak NR, Petrenko V, **Chiang SS**. Incidence and mortality of extrapulmonary tuberculosis in Ukraine: Analysis of national surveillance data. *Clin Infect Dis* 2022;75(4):604-612. PMID: 34929028.
5. Huang CC, Tan Q, Becerra MC, Calderon R, **Chiang SS**, Contreras C, Lecca L, Jimenez J, Perez-Velez CM, Roya-Pabon CL, Yataco R, Xu H, Zhang Z, Murray MB. The contribution of chest radiography to the clinical management of children exposed to tuberculosis at home. *Am J Respir Crit Care Med*. 2022 May 24. doi: 10.1164/rccm.202202-0259OC. Online ahead of print. PMID: 35608549.
6. Sulis G, Tavaziva G, Gore G, Benedetti A, Solomons R, van Toorn R, Thee S, Day J, Ahmad Khan F*, **Chiang SS***. (*Co-senior authors.) Comparative effectiveness of regimens for drug-susceptible tuberculous meningitis in children and adolescents: a systematic review and aggregate-level data meta-analysis. *Open Forum Infect Dis*. 2022 Apr 9:ofac108. doi: 10.1093/ofid/ofac108. eCollection 2022 Jun. PMID: 35673608.
7. Kuzyk PV, Padilla R, Rybak NR, Hoshovska II, Kitov VO, Savchyna MO, Jenkins HE, **Chiang SS**, Horsburgh CR, Gichka SG. Missed tuberculosis diagnoses: analysis of pediatric autopsy data from a children's hospital in Ukraine. *J Pediatr Infect Dis Soc*. 2022;11(6):300-302. PMID: 35395086.
8. Weng CH, Butt WWW, Brooks MB, Clark C, Jenkins HE, Holland SD, **Chiang SS**. Diagnostic value of symptoms for pediatric SARS-CoV-2 infection in a primary care setting. *PLoS One* 2021;16(12):e0249980. doi: 10.1371/journal.pone.0249980. eCollection 2021. PMID: 34898635.
9. Pandita A, Gillani F, Shi Y, Hardesty A, McCarthy M, Aridi J, Farmakiotis D, **Chiang SS***,

- Beckwith CG*. (*Co-senior authors.) Predictors of severity and mortality among patients hospitalized with COVID-19 in Rhode Island. *PLoS One* 2021;16(6):e0252411. doi: 10.1371/journal.pone.0252411. eCollection 2021. PMID: 34143791.
10. Wong M, Coit J, Mendoza M, **Chiang SS**, Marin H, Galea JT, Lecca L, Franke MF. Incident tuberculosis diagnoses in children at high risk for disease. *Open Forum Infect Dis*. 2021;8(3):ofab075. doi: 10.1093/ofid/ofab075. eCollection 2021 Mar. PMID: 33738322.
 11. **Chiang SS**, Brooks MB, Jenkins HE, Rubenstein D, Seddon JA, van de Water BJ, Lindeborg MM, Becerra MC, Yuen CM. Concordance of drug resistance profiles between persons with drug-resistant tuberculosis and their household contacts: a systematic review and meta-analysis. *Clin Infect Dis* 2021;73(2):250-263. PMID: 32448887.
 12. Coit J, Wong M, Galea JT, Mendoza M, Marin H, **Chiang SS**, Lecca L, Franke MF. Uncovering reasons for treatment initiation delays among children with TB in Lima, Peru. *Int J Tuberc Lung Dis*. 2020;24(12):1254-1260. PMID: 33317668.
 13. Mbuthia GW, Nyamogoba HDN, **Chiang SS**, McGarvey ST. Burden of stigma among tuberculosis patients in a pastoralist community in Kenya: a mixed methods study. *PLoS One* 2020;15(10):e0240457. doi: 10.1371/journal.pone.0240457. eCollection 2020. PMID: 33057420.
 14. **Chiang SS**, Dolynska M, Rybak NR, Cruz AT, Aibana O, Sheremeta Y, Petrenko V, Mamotenko A, Terleieva I, Horsburgh CR, Jenkins HE. Clinical manifestations and epidemiology of adolescent tuberculosis in Ukraine. *ERJ Open Res* 2020;6(3):00308-2020; doi: 10.1183/23120541.00308-2020. eCollection 2020 Jul. PMID: 32964003.
 15. **Chiang SS**, Beckhorn C, Wong M, Lecca L, Franke MF. Patterns of suboptimal adherence among adolescents treated for drug-susceptible tuberculosis in Lima, Peru. *Int J Tuberc Lung Dis* 2020;24(7):723-725. PMID: 32718407.
 16. **Chiang SS**, Park S, White E, Friedman JF, Cruz AT, Del Castillo H, Lecca L, Becerra MC, Seddon JA. Early weight change predicts treatment outcome among children treated for tuberculosis. *J Pediatr Infect Dis Soc* 2020;9(2):150-158. PMID: 30715497.
 17. Aibana O, Huang CC, Aboud S, Arnedo-Pena A, Becerra MC, Bellido-Blasco JB, Bhosale R, Calderon R, **Chiang S**, et al. Vitamin D status and risk of incident tuberculosis disease: a nested case-control study, systematic review, and individual participant data meta-analysis. *PLoS Med* 2019; 16(9):e1002907. doi: 10.1371/journal.pmed.1002907
 18. Coit J, Mendoza M, Pinedo C, Marin H, **Chiang SS**, Lecca L, Franke MF. Performance of a household tuberculosis exposure survey among children in a Latin American setting. *Int J Tuberc Lung Dis* 2019;23:1223-1227. PMID: 31718760.
 19. **Chiang SS**, Sheremeta Y, Padilla RS, Jenkins HE, Horsburgh CR, Petrenko V, Rybak NR. Pediatric multidrug-resistant tuberculosis in Kyiv City, Ukraine. *J Epidemiol Global Health* 2019;9(1):56-61. PMID: 30932391.
 20. Tarfur KT, Coit J, Leon SR, Pinedo C, **Chiang SS**, Contreras C, Calderon R, Mendoza MJ, Lecca L, Franke MF. Use of the string test for tuberculosis diagnosis in children between 4 and 14 years old. *BMC Infect Dis* 2018;18:574. PMID: 30442105.
 21. De Andrade Sieiro TL, Baroni Aurilio R, Soares ECC, **Chiang SS**, Sant'Anna CC. The role of the Xpert MTB-RIF assay among adolescents suspected of pulmonary tuberculosis in Rio de Janeiro, Brazil. *Rev Soc Bras Med Trop* 2018;51(2):234-236. PMID: 29768561.
 22. **Chiang SS**, Roche S, Contreras C, Del Castillo H, Canales P, Jimenez J, Tintaya K, Becerra MC, Lecca L. Barriers to the treatment of childhood tuberculosis infection and disease: a qualitative study. *Int J Tuberc Lung Dis* 2017;21(2):154-160. PMID: 28234078.

23. Aibana O, Archarya X, Huang CC, Becerra MC, Galea JT, **Chiang SS**, Contreras C, Calderon R, Yataco R, Velásquez GE, Tintaya K, Jimenez J, Lecca L, Murray MB. Nutritional status and tuberculosis risk in adult and pediatric household contacts. PLoS One 2016; 11(11):e0166333. doi: 10.1371/journal.pone.0166333. eCollection 2016. PMID: 27835678.
24. **Chiang SS**, Starke JR, Miller AC, Cruz AT, Del Castillo H, Valdivia WJ, Tunque G, García F, Contreras C, Lecca L, Alarcón VA, Becerra MC. Baseline predictors of treatment outcomes in children with multidrug-resistant tuberculosis. Clin Infect Dis 2016;63(8):1063-1071. PMID: 27458026.
25. **Chiang SS**, Roche S, Contreras C, Alarcón V, Del Castillo H, Becerra MC, Lecca L. Barriers to the diagnosis of childhood tuberculosis: a qualitative study. Int J Tuberc Lung Dis 2015;19(10):1144-1152. PMID: 26459524.
26. **Chiang SS**, Paulus JK, Huang C, Boynton-Jarrett R, Newby PK, Castellón D, Antkowiak L. Tuberculosis household exposure and screening among Bolivian sex workers and their children. J Epidemiol Global Health 2015;5(2):205-210. PMID: 25922331.
27. **Chiang SS**, Cruz AT, Del Castillo H, Contreras C, Becerra MC, Lecca L. Evaluation of healthcare providers' knowledge of childhood tuberculosis in Lima, Peru. Paediatr Intl Child Health 2015;35(1):29-35. PMID: 25161060.
28. **Chiang SS**, Khan FA, Milstein MB, Tolman AW, Benedetti A, Starke JR, Becerra MC. Treatment outcomes of childhood tuberculous meningitis: a systematic review and meta-analysis. Lancet Infect Dis 2014;14(10):947-957. PMID: 25108337.
29. Wu X, Gu J, Wu TT, Swisher SG, Liao Z, Correa AM, Liu J, Etzel CJ, Amos CI, Huang M, **Chiang SS**, Milas L, Hittelman WN, Ajani JA. Genetic variations in radiation and chemotherapy drug action pathways predict clinical outcomes in esophageal cancer. J Clin Oncol 2006;24(23):3789-3798. PMID: 16785472.
30. Wu X, Roth JA, Zhao H, Luo S, Zheng YL, **Chiang S**, Spitz MR. Cell cycle checkpoints, DNA damage/repair, and lung cancer risk. Cancer Res 2005;65(1):349-357. PMID: 15665313.
31. Yao JC, Tseng JF, Worah S, Hess KR, Mansfield PF, Crane CH, Schnirer II, Reddy S, **Chiang SS**, Najam A, Yu C, Giacco GG, Xie K, Wu TT, Feig BW, Pisters PW, Ajani JA. Clinicopathologic behavior of gastric adenocarcinoma in Hispanic patients: analysis of a single institution's experience over 15 years. J Clin Oncol. 2005;23(13):3094-3103. PMID: 15860869.
32. Yao JC, Schnirer II, Reddy S, **Chiang S**, Najam A, Yu C, Giacco G, Hess K, Rashid A, Xie K, Lynch P, Ajani JA. Effects of sex and racial/ethnic group on the pattern of gastric cancer localization. Gastric Cancer 2002;5:208-212. PMID: 12491078.

Clinical Guidance (Expert Consensus) Documents

1. **Chiang SS**, Graham SM, Schaaf HS, et al. Clinical standards on drug-susceptible tuberculosis in children and adolescents. Int J Tuberc Lung Dis 2023;27:584-598. PMID: 37491754.
2. **Chiang SS**, Waterous PM, Atieno VF, et al. Caring for adolescents and young adults with tuberculosis or at risk of tuberculosis: Consensus statement from an international expert panel. J Adolesc Health 2023;72:323-331. PMID: 36803849.

Invited Editorials

1. **Chiang SS**, Jenkins HE. Shedding light on tuberculosis deaths in children and adolescents. *Pediatrics*. 2021;147(4):e2020039404. doi: 10.1542/peds.2020-039404. Epub 2021 Mar 10. PMID: 33692160.
2. **Chiang SS**, Dara M. Tuberculosis in children and adolescents. *Int J Tuberc Lung Dis*. 2020;24(12):1231-1233. PMID: 33317664.
3. **Chiang SS**, Cruz AT. Minding (and reducing) the gap: an algorithm to diagnose TB with HIV infection. *Pediatrics* 2019;144(3):e20191797. doi:10.1542/peds.2019-1797. PMID: 31455611.

Other Peer-Reviewed Publications

1. Leddy A, Jaganath D, Wobudeya E, Triasih R, de Oliveira M, Sheremeta Y, Becerra MC, **Chiang SS**. Social determinants for adherence to treatment for tuberculosis infection and disease among children, adolescents, and young adults. *J Pediatr Infect Dis Soc* 2022;11(Supplement_3):S79-S84. PMID: 36314549.
2. Goel AR, Ibrahim S, **Chiang SS**, Yalcindag A. Multisystem inflammatory syndrome in an adolescent following SARS-CoV-2 exposure despite three doses of a COVID-19 vaccine. *RI Med J* 2022;105(5):41-45. PMID: 35617041.
3. Verkuijl S, Sekadde M, Dodd PJ, Arinaitwe M, **Chiang SS**, Brands A, Viney K, Sismanidis C, Jenkins HE. Addressing the data gaps on child and adolescent tuberculosis. *Pathogens* 2022;11(3):352. <https://doi.org/10.3390/pathogens11030352>. PMID: 35335677.
4. Moscibrodzki P, Enane LA, Hoddinott G, Brooks MB, Byron V, Furin J, Seddon JA, Meyersohn L, **Chiang SS**. The impact of tuberculosis on adolescent well-being. *Pathogens* 2021;10(12): 1591. <https://doi.org/10.3390/pathogens10121591>. PMID: 34959546.
5. Gallo Marin B, Aghagoli G, Lavine K, Yang L, Siff EJ, **Chiang SS**, Salazar-Mather TP, Dumenco L, Savaria MC, Aung SN, Flanigan T, Michelow IC. Predictors of COVID-19 severity: a literature review. *Rev Med Virol* 2021;31(1):1-10. PMID: 32845042.
6. Snow KJ, Cruz AT, Seddon JA, Ferrand RA, **Chiang SS**, Hughes J, et al. Adolescent tuberculosis. *Lancet Child Adolesc Health* 2020; 4(1):68-79. PMID: 31753806.
7. Szkwarko D, Bouton TC, Rybak NR, Carter EJ, **Chiang SS**. Tuberculosis: an epidemic perpetuated by health inequalities. *RI Med J* 2019;102(7):47-50. PMID: 31480821.
8. Seddon JA, **Chiang SS**, Esmail H, Coussens AK. The wonder years: what can primary school children teach us about immunity to *Mycobacterium tuberculosis*? *Front Immunol* 2018;9:2946. doi: 10.3389/fimmu.2018.02946. eCollection 2018. PMID: 30619306.
9. **Chiang SS**, Furin JJ. Treatment of multidrug-resistant tuberculosis in children and adolescents. *J Pediatric Infect Dis* 2018;13:153-168.
10. **Chiang SS**, Swanson DS, Starke JR. New diagnostics for childhood tuberculosis. *Infect Dis Clin North Am* 2015;29(3):477-502. PMID: 26188605.
11. Wu X, Lu C, **Chiang SS**, Ajani JA. Pharmacogenetics in esophageal cancer. *Semin Oncol* 2005;32(6 Supp 9):S87-89. PMID: 16399440.

Book Chapters

1. **Chiang SS** and Starke JR. *Mycobacterium tuberculosis*. In: Long SS, Prober CG, Fischer M,

Kimberlin DW, Eds. Principles and Practice of Pediatric Infectious Diseases. 6th Ed. Philadelphia, U.S.A.: Elsevier, Inc; 2022.

2. **Chiang SS** and Starke JR. Mycobacterium tuberculosis. In: Long SS, Prober CG, Fischer M, Eds. Principles and Practice of Pediatric Infectious Diseases. 5th Ed. Philadelphia, U.S.A.: Elsevier, Inc; 2017.

Publications Submitted or in Process

1. **Chiang SS**, Tanzer J, Starke JR, Friedman JF, Roman Sinche B, Leon Ostos K, Espinoza Meza R, Altamirano E, Beckhorn CB, Oliva Rapoport VE, Tovar MA, Lecca L. Identifying adolescents at risk for suboptimal adherence to tuberculosis treatment: a prospective cohort study. Under review.
2. Cintron C, Hoddinott G, Roman Sinche B, Brown RA, Wademan DT, Seddon JA, **Chiang SS**. Psychosocial needs of adolescents living with tuberculosis in Peru and South Africa. Under review.
3. Shapiro AN, Dolynska M, **Chiang SS**, et al. The impact of the COVID-19 pandemic on tuberculosis in key populations in Ukraine in 2020. Under review.
4. **Chiang SS**, Murray MB, Kay AW, Dodd PJ. Factors driving tuberculosis incidence in adolescents 10-19 years in 30 high tuberculosis burden countries. In preparation.
5. du Preez K, Jenkins HE, Martinez L, **Chiang SS**, Graham SM, Starke JR, Hesselning AC, Seddon JA, Dodd PJ. Tuberculous meningitis in children: how many children are affected globally? In preparation.
6. Arango D, Cintron C, Wong M, Altamirano E, Senador L, Beckhorn CB, Roche S, Coit J, Oliva Rapoport VE, Lecca L, **Chiang SS**. Adolescent-friendly tuberculosis services in Lima, Peru: a qualitative study. In preparation.

ABSTRACTS

1. Cintron C, Hoddinott G, Roman Sinche B, Brown RA, Wademan DT, Seddon JA, **Chiang SS**. Psychosocial needs of adolescents living with tuberculosis in Peru and South Africa. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Paris, France, November 2023.
2. Sanchez Guzman V, Roman Sinche B, Santa Cruz J, Contreras C, Tanzer JR, **Chiang SS**. Depression in adolescents on tuberculosis treatment in Lima, Peru. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Paris, France, November 2023.
3. Roman Sinche B, Doradea F, Tintaya K, **Chiang SS**. Adolescent, caregiver, and health provider perceptions of tuberculosis treatment supervision during the Covid-19 pandemic in Lima, Peru. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Paris, France, November 2023.
4. du Preez K, Jenkins HE, Martinez L, **Chiang SS**, Seddon JA, Dodd PJ. Estimating the burden, mortality and morbidity of tuberculous meningitis in children – a modeling study. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Paris, France, November 2023.
5. Shapiro AN, Dolynska M, **Chiang SS**, Rybak N, Petrenko V, Horsburgh CR Jr., Terleiva I, Jenkins HE. Effects of the Covid-19 pandemic on tuberculosis notifications in Ukraine. Oral

- presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Paris, France, November 2023.
6. Dupuis G, Dolynska M, **Chiang SS**, Horsburgh CR Jr., Stagg HR, Rybak N, Petrenko V, Terleiva I, Jenkins HE. Risk of emergence of rifampicin-resistant tuberculosis after incomplete first-line treatment. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Paris, France, November 2023.
 7. Villar M, Beckhorn CB, Wong M, Altamirano E, Senadro L, Coit J, Roche S, Lecca L, **Chiang, SS**. Caring for the caregivers: how TB treatment and perception in Peru exacerbates caregivers' burdens. 26th Poster presentation. Annual Conference of the Union – North American Region, Virtual Conference, March 2022.
 8. Oliva Rapoport VE, Roche S, Coit J, Wong M, Beckhorn CB, Altamirano E, Senador L, Galea JT, Lecca L, **Chiang SS**. The adverse effects of prolonged home isolation on adolescents with tuberculosis in Lima, Peru: a qualitative study. Poster presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Virtual, October 2020.
 9. **Chiang SS**, Dolynska M, Rybak NR, Cruz AT, Aibana O, Sheremeta Y, Petrenko V, Mamotenko A, Terleieva I, Horsburgh CR, Jenkins HE. Clinical manifestations and epidemiology of adolescent tuberculosis in Ukraine. Poster presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Virtual, October 2020.
 10. Pandita A, Gillani FS, Shi Y, Hardesty A, Aridi J, McCarthy M, **Chiang S**, Beckwith C. Factors associated with severe Covid-19 among patients hospitalized in Rhode Island. Poster presentation. IDWeek, Infectious Disease Society of America, Virtual, October 2020.
 11. **Chiang SS**, Rybak NR, Jenkins HE. Treatment outcomes of children with XDR-TB in Ukraine. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Hyderabad, India, October 2019.
 12. **Chiang SS**, Starke JR, Miller AC, Cruz AT, Del Castillo H, Valdívía WJ, Tunque G, García F, Contreras C, Lecca L, Alarcón VA, Becerra MC. Baseline predictors of treatment outcomes in children with multidrug-resistant tuberculosis. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Liverpool, U.K., October 2016.
 13. **Chiang SS**, Roche S, Contreras C, Del Castillo H, Alarcón VA, Becerra MC, Lecca L. Barriers to the diagnosis of childhood tuberculosis. Poster presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Cape Town, South Africa, December 2015.
 14. **Chiang SS**, Ahmad Khan F, Milstein M, Tolman AW, Benedetti A, Starke JR, Becerra MC. Treatment outcomes of childhood tuberculous meningitis: a systematic review and meta-analysis. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Barcelona, Spain, October 2014.
 15. **Chiang SS**, Cruz AT, Del Castillo H, Contreras C, Becerra MC, Lecca L. Evaluation of healthcare providers' knowledge of childhood tuberculosis in Lima, Peru. Oral presentation. World Lung Conference of the International Union against Tuberculosis and Lung Disease, Barcelona, Spain, October 2014.
 16. **Chiang SS**, Boynton-Jarrett R, Gilbert P, Juraska M, Huang C, Antkowiak L. Low rates of tuberculosis screening among Bolivian mothers and children with household exposure to tuberculosis. Poster presentation. Pediatric Academic Societies, Boston, U.S.A., May 2012.

17. **Chiang SS**, Nwanko O, Fagan KM, Dearborn DG, Khatri SB. Associations between steel mill activity, ED visits for childhood asthma, and air pollution in Cleveland, OH. Poster presentation. American Thoracic Society, Toronto, Canada, May 2008.

INVITED LECTURES AND PRESENTATIONS

Regional

1. Emerging research in adolescent tuberculosis and implications for care. Pediatric Global Health Meeting. Mass General Hospital for Children. Boston, MA, U.S.A. November 2022.
2. TB infection in children: special considerations. Northeast Region LTBI ECHO. Providence, RI, U.S.A. Virtual conference. November 2022.
3. Adherence to tuberculosis treatment among adolescents in Lima, Peru. Inter-CFAR Mycobacterium Symposium. Cambridge, MA, U.S.A. October 2022.
4. Challenges related to tuberculosis treatment among adolescents in Lima, Peru. Northeast World TB Day Meeting. Boston, MA, U.S.A. March 2022.
5. TB infection in children: special considerations. Northeast Region LTBI ECHO. Providence, RI, U.S.A. (given virtually due to COVID-19 pandemic). November 2021.
6. TB infection in children: special considerations. Rhode Island LTBI ECHO. Providence, RI, U.S.A. (given virtually due to COVID-19 pandemic). February 2021.
7. Estimating the global adolescent tuberculosis burden. Pediatric Scholarship Celebration, Department of Pediatrics, Alpert Medical School of Brown University. Providence, RI, U.S.A. September 2018.
8. Childhood tuberculosis: a primer for physicians. Grand Rounds, Department of Pediatrics, Alpert Medical School of Brown University. Providence, RI, U.S.A. March 2017.
9. Childhood tuberculosis. Pediatric Global Health Skills Course. Boston Children's Hospital. Boston, MA, U.S.A. August 2016.
10. A case of severe malaria. Grand Rounds, Department of Medicine, Boston Children's Hospital. Boston, MA, U.S.A. April 2012.

National

1. Tuberculosis sequelae in children and adolescents. IDWeek. Infectious Diseases Society of America. Boston, MA, U.S.A. October 2023.
2. The impact of war on tuberculosis in Ukraine and among Ukrainian refugees. 2022 World TB Day Congressional Briefing Series. Washington, DC, U.S.A. (given virtually due to COVID-19 pandemic). March 2022.
3. Adolescent tuberculosis: a hidden epidemic. Tropical Medicine Seminar Series, Baylor College of Medicine. Houston, TX, U.S.A. (given virtually due to COVID-19 pandemic). September 2020.
4. Childhood tuberculous meningitis: a review of the literature. Annual Conference of The Union (North American Region) and the National Tuberculosis Controllers Association. Denver, CO, U.S.A. February 2016.
5. Tuberculous meningitis in children. Infectious Disease Grand Rounds, Departments of Medicine and Pediatrics, Geisel School of Medicine of Dartmouth College. Hanover, NH, U.S.A. February 2015.

6. Central nervous system tuberculosis (with J.R. Starke). Grand Rounds, Department of Neurology, Baylor College of Medicine. Houston, TX, U.S.A. December 2014.

International

1. Redescubrimiento de la tuberculosis en la adolescencia [Rediscovery of tuberculosis in adolescence]. IX Jornada Científica Internacional: Investigación Peruana para el Control de la Tuberculosis [9th International Scientific Conference: Research in Peru on the Control of Tuberculosis]. Ministerio de Salud [Ministry of Health]. Lima, Peru (given virtually). November 2022.
2. Emerging research in adolescent tuberculosis and implications for care. McGill International TB Centre. Montreal, Canada (given virtually). November 2022.
3. Metodología de estudios que informan las recomendaciones de la Organización Mundial de Salud (OMS) [Methodology of studies that inform World Health Organization (WHO) recommendations]. 17° Congresso Brasileiro de Pneumologia Pediátrica [17th Brazilian Congress of Pediatric Pulmonology]. Rio de Janeiro, Brazil. August 2022.
4. Redescubrimiento de la tuberculosis en la adolescencia [Rediscovery of tuberculosis in adolescence]. 17° Congresso Brasileiro de Pneumologia Pediátrica [17th Brazilian Congress of Pediatric Pulmonology]. Rio de Janeiro, Brazil. August 2022.
5. Manejo de la tuberculosis en adolescentes: Recomendaciones de consenso de expertos [Management of tuberculosis in adolescents: Expert consensus recommendations]. 15° Congreso ALAT 2022 [15th Congress of the Latin American Thoracic Association 2022]. Lima, Peru. July 2022.
6. El régimen intensivo de 6 meses para la meningitis tuberculosa en niños y adolescentes: Las evidencias para el nuevo régimen recomendada por la OMS [The 6-month intensive regimen for TB meningitis in children and adolescents: evidence behind the new WHO recommendation]. Congreso Internacional de Tuberculosis en Pediatría [International Congress on Tuberculosis in Pediatrics]. Instituto Nacional de Salud del Niño [National Institute of Child Health]. Lima, Peru (given virtually). June 2022.
7. TB meningitis: evidence behind new WHO regimen recommendations. National Conference of TB & Chest Diseases: 76th NATCON. Paediatrics Pre-conference Workshop. Mullana, Haryana, India (given virtually). April 2022.
8. Desafíos enfrentados por adolescentes en tratamiento para TB sensible [Challenges faced by adolescents on treatment for drug-susceptible TB]. VIII Jornada Científica Internacional: Investigación Peruana para el Control de la Tuberculosis [8th International Scientific Conference: Research in Peru on the Control of Tuberculosis]. Ministerio de Salud [Ministry of Health]. Lima, Peru (given virtually). December 2021.
9. Optimizing adolescent engagement in TB care. Annual Meeting of the Child and Adolescent TB Working Group, World Health Organization. Geneva, Switzerland (given virtually). November 2021.
10. Challenges confronted by youth on TB treatment. World Conference on Lung Health. International Union against Tuberculosis and Lung Disease. Virtual Conference. October 2021.
11. Optimizing adolescent engagement in TB care. Guidelines Development Group Meeting, World Health Organization. Geneva, Switzerland (given virtually). May 2021.

12. Adolescent tuberculosis: a hidden epidemic. Healthy Starts Seminar Series, BC Children's Research Institute. Vancouver, Canada (given virtually). October 2020.
13. Diagnóstico y tratamiento de la infección de tuberculosis [Diagnosis and treatment of tuberculosis infection]. Curso de Neumología Pediátrica [Pediatric Pulmonology Course]. Instituto Nacional de Salud del Niño [National Institute of Child Health]. Lima, Peru (given virtually). September 2020.
14. Adolescent tuberculosis: a research agenda. Department of Pediatrics, Universidade Federal do Rio de Janeiro. Rio de Janeiro, Brazil (given virtually). June 2020.
15. Post-tuberculosis sequelae in children and adolescents. World Conference on Lung Health. International Union against Tuberculosis and Lung Disease. The Hague, The Netherlands. October 2018.
16. Estimating the adolescent tuberculosis burden in the 30 high-burden countries. World Conference on Lung Health. International Union against Tuberculosis and Lung Disease. Guadalajara, Mexico. October 2017.
17. Treatment outcomes among children with multidrug-resistant tuberculosis. World Conference on Lung Health. International Union against Tuberculosis and Lung Disease. Liverpool, U.K. October 2016.
18. Childhood multidrug-resistant tuberculosis in Peru. 1st International Symposium on Tuberculosis and Global Health. Partners In Health. Lima, Peru. September 2016.
19. Epidemiología y patogenia de la tuberculosis pediátrica [Epidemiology and pathogenesis of childhood tuberculosis]. Curso internacional de la tuberculosis infantil [International course on childhood tuberculosis]. Ministerio de Salud del Perú y Socios En Salud [Ministry of Health of Peru and Partners In Health]. Lima, Peru. August 2015.
20. Métodos diagnósticos de la tuberculosis en niños [Diagnostic methods for tuberculosis in children]. Curso internacional de la tuberculosis infantil [International course on childhood tuberculosis]. Ministerio de Salud del Perú y Socios En Salud [Ministry of Health of Peru and Partners In Health]. Lima, Peru. August 2015.

MEDIA APPEARANCES

1. The New York Times. October 19, 2021. <https://www.nytimes.com/2021/10/19/health/tuberculosis-transmission-aerosols.html?searchResultPosition=2>.
2. Telemundo Nueva Inglaterra (Telemundo New England). January 13, 2021. <https://www.telemundonuevainglaterra.com/noticias/local/aumenta-sindrome-en-ninos-relacionado-al-covid-19/2094304/>
3. The New York Times. November 20, 2020. <https://www.nytimes.com/2020/11/20/health/tuberculosis-ai-apps.html>
4. WJAR 10. September 22, 2020. <https://turto10.com/features/health-landing-page/cdc-estimates-as-many-as-62000-lives-lost-to-flu-in-2019-2020>
5. WPRI 12. September 21, 2020. <https://www.wpri.com/health/common-flu-shot-misconceptions-top-reasons-to-get-vaccine-amid-pandemic/>
6. Associated Press. September 18, 2020. <https://apnews.com/22e7ac15e8d622b12bf784295e4b5266>

7. National Journal. September 16, 2020. www.nationaljournal.com/s/709850?unlock=JVVFk3ZIK4MJJBm0
8. The Boston Globe. September 13, 2020. www.bostonglobe.com/2020/09/13/metro/should-you-send-your-child-back-school-expert-consensus-leans-toward-yes-with-caveats/?p1=Article_Feed_ContentQuery
9. Scientific American. September 1, 2020. www.scientificamerican.com/article/doctors-chase-treatment-for-kids-threatened-by-dangerous-covid-19-syndrome/
10. The Boston Globe. August 20, 2020. www.bostonglobe.com/2020/08/20/nation/infected-children-can-carry-high-levels-coronavirus-mass-general-study-says/
11. The New York Times. July 20, 2020. www.nytimes.com/2020/07/20/parenting/coronavirus-children-spread-covid-19.html

GRANTS

1. R25AI140490, NIAID, NIH, \$330,166/year, co-investigator, 2023.
2. K01TW010829-05S1 (funded extension), Fogarty International Center, NIH, \$94,438, 2021-2023, principal investigator.
3. World Health Organization (contract for evidence review on adolescent tuberculosis), \$10,000, 2021, principal investigator.
4. World Health Organization (contract for evidence review on tuberculous meningitis), \$25,000, 2021, co-principal investigator.
5. Charles H. Hood Foundation Child Health Research Award, \$165,000, 2020-2024 (active), principal investigator.
6. K01TW010829, Fogarty International Center, NIH, \$680,199, 2017-2022, principal investigator.
7. Children's Miracle Network Scholar Award, \$25,000, 2016-2021, principal investigator.
8. Providence/Boston Center for AIDS Research Developmental Grant, \$40,000, 2018-2020, co-investigator.
9. Grand Challenges Canada, Stars in Reproductive, Maternal, Newborn and Child Health, \$100,000, 2017-2018, co-investigator.
10. Rhode Island Foundation Biomedical Research Grant, \$25,000, 2017-2018, principal investigator.
11. American Lung Association Social Behavioral Research Grant, \$40,000, 2016-2017, co-investigator.
12. T32DA013911, National Institute of Drug Abuse, NIH, 2016-2017, trainee.
13. Thrasher Research Fund Early Career Award, \$25,000, 2014-2016, principal investigator.
14. Boston Children's Hospital Fred Lovejoy Research Award, \$3000, 2011-2012, principal investigator.
15. Boston Medical Center Joel Alpert Award, \$2500, 2010-2011, co-principal investigator.
16. T35 Award, National Heart, Lung, and Blood Institute, NIH, \$3000, 2006, trainee.

UNIVERSITY AND HOSPITAL TEACHING ROLES

1. Global Health Scholarly Concentration, Alpert Medical School of Brown University, 2017-present. Co-director.

2. Interdisciplinary Perspectives on Disability and Death in the Global South, Brown School of Public Health, 2018-present. Guest lecturer on tuberculosis research.
3. Pediatric Infectious Disease Service, Hasbro Children's Hospital, 2018-present. Clinical teaching of fellows, residents, and students.
4. Tuberculosis in Children and Adolescents. Alpert Medical School of Brown University and Hasbro Children's Hospital, 2017-present. Annual lecture to pediatric residents and medical students.
5. Emergency Infectious Disease Scholars. Alpert Medical School of Brown University, 2019. Guest lecturer on childhood tuberculosis.

UNIVERSITY ADVISING and MENTORING ROLES

1. Scholarly oversight committee member. Osama Ibrahim, MD. Fellow, Division of Pediatric Infectious Diseases, Brown University. Research. on central line infections. 2022-present.
2. Mentor. Justin Wyda, MD Class of 2026, Alpert Medical School of Brown University. Adolescent tuberculosis research, 2022-present.
3. Mentor. Chelsie Cintron, PhD Candidate in Epidemiology, Brown School of Public Health. Adolescent tuberculosis research, 2022-present.
4. Mentor. David Arango, MPH Candidate Class of 2023, Brown School of Public Health. Adolescent tuberculosis research, 2021-2023.
5. Mentor. Yuliia Sereda, MPH Candidate Class of 2023, Brown School of Public Health. Drug-resistant tuberculosis in conflict areas in Ukraine, 2021-2023.
6. Thesis reader. Nataliya Kyrychenko, MPH Candidate Class of 2023, Brown School of Public Health. Decentralization of tuberculosis care in Ukraine, 2021-2023.
7. Mentor. Victoria Sanchez Guzmán, MD-ScM Class of 2025, Alpert Medical School of Brown University (Primary Care-Population Medicine Program). Adolescent tuberculosis research, 2022-present.
8. Mentor. Mariana Villar, Brown University Class of 2022. Burden of care among mothers of adolescents with tuberculosis in Lima, Peru, 2020-2022.
9. Mentor. Sara Khalife, MD. Fellow, Division of Pediatric Infectious Diseases, Brown University. Tuberculosis research. Mentor, 2020-2021.
10. Mentor. Aakriti Pandita, MD. Fellow, Division of Infectious Diseases, Brown University. COVID-19 research, 2020.
11. Mentor. Victoria Oliva Rapoport, MD-ScM Class of 2022, Alpert Medical School of Brown University (Primary Care-Population Medicine Program). Tuberculosis research, 2018-2022.
12. Mentor. Evgenia Karayeva, MPH Class of 2020, Brown School of Public Health. Tuberculosis research, 2018-present.
13. Mentor. Ana Lucía Espinosa Dice, Brown University Class of 2020. Maternal health intervention research in Lima, Peru, 2017-2018.
14. Mentor. Emily White, MD Class of 2020, Alpert Medical School of Brown University. Tuberculosis research, 2017-2020.
15. Mentor. Dana Rubenstein, Brown University Class of 2020. Tuberculosis research, 2016-2018.

ADVISING ROLES OUTSIDE BROWN UNIVERSITY

1. Gabriella Lamb, Pediatric Infectious Disease Fellow, Baylor College of Medicine (Houston, TX), tuberculosis research. Scholarly oversight committee member (2017-2019).
2. Saki Ikea, Pediatric Infectious Disease Fellow, Baylor College of Medicine (Houston, TX), tuberculosis research. Scholarly oversight committee member (2018-2021).