

# Tomás Aragón, MD, DrPH / *Curriculum vitæ*

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November 28, 2021

*I am the State Public Health Officer and Director of the California Department of Public Health (CDPH). Striving to embody and promote the universal values of dignity, equity, compassion and humility, I work to mobilize communities and institutions to transform policies and systems towards a culture of equity, antiracism, healing and health for all people and our planet. As State Public Health Officer, I exercise leadership and legal authority to protect health and prevent disease. As CDPH Director, I direct a nationally accredited state public health department. I taught computational epidemiology with R at the University of California, Berkeley School of Public Health. Today, I focus on organizational decision intelligence using improvement, implementation, and data sciences. For scientific computing I promote the Julia programming language ([julia.org](http://julia.org)). I blog on population health at [DrTomasAragon.github.io](https://DrTomasAragon.github.io).*

## Education

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| <b>University of California, Berkeley</b><br><i>AB, Artium Baccalaureus (Bachelor of Arts), Molecular Biology</i>  | <b>Berkeley, CA</b><br>1983 |
| <b>Harvard Medical School</b><br><i>MD, Medicinæ Doctor (Doctor of Medicine)</i>   | <b>Boston, MA</b><br>1988   |
| <b>Harvard School of Public Health</b><br><i>MPH, Master of Public Health, Epidemiology</i>  | <b>Boston, MA</b><br>1988   |
| <b>University of California, Berkeley School of Public Health</b><br><i>DrPH, Doctor of Public Health, Epidemiology</i>                                  | <b>Berkeley, CA</b><br>2000 |
| <b>Stanford University, Center for Professional Development</b><br><i>Certification, Strategic Decision and Risk Management in Healthcare (see p. 3)</i> | <b>Stanford, CA</b><br>2016 |

## Doctoral Thesis

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**title:** *Mortality Burden of Disease and Injury: Concepts, Methods, and Applications*

**committee:** Drs. Ira B. Tager (Epidemiol.), Richard J. Brand (Biostat.), Kenneth W. Wachter (Demog.)

## Professional Training & Fellowships

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| <b>University of California, San Francisco / San Francisco General Hospital</b><br><i>Primary Care Medical Resident</i>  | <b>San Francisco</b><br>1988–1991 |
| <b>University of California, San Francisco / San Francisco General Hospital</b><br><i>Medical Chief Resident</i>   | <b>San Francisco</b><br>1991–1992 |
| <b>University of California, San Francisco, Division of Infectious Diseases</b><br><i>Infectious Disease Fellow</i>  | <b>San Francisco</b><br>1992–1993 |
| <b>University of California, San Francisco, Center for AIDS Prevention Studies</b><br><i>Postdoctoral Research Fellow, Traineeship in AIDS Prevention Studies (TAPS)</i> | <b>San Francisco</b><br>1993–1996 |

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|---|-----------------------------------|
| <b>California HealthCare Foundation (CHCF)/UCSF Leadership Program</b><br><i>CHCF Health Care Leadership Fellow (Cohort 12), (Oct 2012–Sept 2014)</i>                 | <b>San Francisco</b><br>2012–2014 |
| <b>National Association of County and City Health Officials</b><br><i>Health Official Leadership Fellow, “Survive &amp; Thrive” Program, (Jan 2013–Feb 2014)</i>      | <b>San Francisco</b><br>2013–2014 |
| <b>Center for Health Leadership and Practice</b><br><i>SFDPH Leadership Academy for the Public’s Health, (Oct 2013–Dec 2014)</i>                                      | <b>San Francisco</b><br>2013–2014 |
| <b>Kresge Foundation—Emerging Leaders in Public Health (ELPH) Program</b><br><i>Leadership Fellow integrating public health and health care, (Feb 2015–Sept 2016)</i> | <b>San Francisco</b><br>2015–2016 |
| <b>Leadership for Equity and Opportunity (LEO) with Dr. Monica Sharma</b><br><i>Sponsored by <a href="#">Rise Together Bay Area</a>, (Jan 2018–May 2018)</i>          | <b>Oakland, CA</b><br>2018        |

## Professional & Academic Positions

### Local and state government service.....

|   |                                    |
|---|------------------------------------|
| <b>Chronic Disease Epidemiology, SF Department of Public Health</b><br><i>Director</i>  | <b>San Francisco</b><br>1996–1997  |
| <b>Community Health Epidemiology &amp; Disease Control (CHEDC), SFDPH</b><br><i>Director</i>  | <b>San Francisco</b><br>1997–2003  |
| <ul style="list-style-type: none"> <li>○ Project Director, Cryptosporidiosis Risk Factor Study, 1997–2001</li> <li>○ Co-Investigator, Bayview-Hunters Point Community Health Survey, 1998–2001</li> <li>○ Project Director, CDC Hepatitis Sentinel County Study, 1999–2003</li> <li>○ Project Director, CDC Viral Hepatitis Integration Project, 2000–2003</li> </ul> |                                    |
| <b>Tom Waddell Health Center Urgent Care</b><br><i>Physician provider</i>   | <b>San Francisco</b><br>2001–2004  |
| <b>Community Health Epidemiology, SF Department of Public Health</b><br><i>Director &amp; Deputy Health Officer, Part-time from 03/2003 to 12/15/2010</i>   | <b>San Francisco</b><br>2003–2010  |
| <b>NACCHO San Francisco Bay Area Advanced Practice Center</b><br><i>Co-Program Director, San Francisco Department of Public Health</i>  | <b>San Francisco</b><br>2009–2011  |
| <b>Population Health Division, San Francisco Department of Public Health</b><br><i>Director, December 15, 2010 – January 3, 2021</i>  | <b>San Francisco</b><br>2010–2020  |
| <b>City &amp; County of San Francisco</b><br><i>Health Officer, December 15, 2010 – January 3, 2021</i>   | <b>San Francisco</b><br>2010–2020  |
| <b>California Department of Public Health</b><br><i>Director and State Public Health Officer, since January 4, 2021</i>   | <b>Sacramento, CA</b><br>2021– ... |

### University of California.....

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|--|-----------------------------------|
| <b>Emergency Services, UCSF/San Francisco General Hospital</b><br><i>Associate Physician &amp; Clinical Faculty</i>        | <b>San Francisco</b><br>1992–1997 |
| <b>General Medical Clinic, UCSF/San Francisco General Hospital</b><br><i>Attending Physician &amp; Clinical Faculty</i>    | <b>San Francisco</b><br>1997–1998 |
| <b>Infectious Disease Clinic, UCSF/San Francisco General Hospital</b><br><i>Attending Physician &amp; Clinical Faculty</i> | <b>San Francisco</b><br>1998–2000 |
| <b>Department of Medicine, UCSF/San Francisco General Hospital</b><br><i>Assistant Clinical Professor</i>                  | <b>San Francisco</b><br>1999–2004 |

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|---|-----------------------------------|
| <b>Reducing Influenza-like Illness in University Students (REDI-US) Study</b><br><i>Principal Investigator, UC Berkeley School of Public Health</i><br>Randomized-Control Trial of non-pharmaceutical interventions to reduce ILI | <b>Berkeley, CA</b><br>2006–2009  |
| <b>Center for Infectious Diseases &amp; Emergency Readiness (CIDER)</b><br><i>Principal Investigator (2005–2010), UC Berkeley School of Public Health</i><br>CIDER was a CDC Center for Public Health Preparedness (CPHP)         | <b>Berkeley, CA</b><br>2003–2010  |
| <b>Cal PREPARE—A CDC Preparedness &amp; Emergency Response Research Center</b><br><i>Principal Investigator, UC Berkeley School of Public Health (Oct 2009–April 2011)</i>  | <b>Berkeley, CA</b><br>2009–2011  |
| <b>Department of Epidemiology &amp; Biostatistics, UC San Francisco</b><br><i>Affiliate Faculty (lecturer)</i>  | <b>San Francisco</b><br>2000– ... |
| <b>Division of Epidemiology, UC Berkeley School of Public Health</b><br><i>Adjunct Faculty (teach “Applied Epidemiology Using R”)</i>   | <b>Berkeley, CA</b><br>2004– ...  |

## Academic Honors & Awards

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|--|---------------------------------------|
| <b>University of California, Berkeley</b><br><i>Ernest B. Collins Award, Awarded for academic achievement and community service</i>  | <b>Berkeley, CA</b><br>June, 1983     |
| <b>Awarded while at Harvard Medical School</b><br><i>National Hispanic Scholarship</i>   | <b>Boston, MA</b><br>1985             |
| <b>Harvard Medical School</b><br><i>Harvard Medical School Graduate Award, Awarded for academic and community service</i>  | <b>Boston, MA</b><br>June, 1988       |
| <b>Department of Medicine, UC San Francisco / SF General Hospital</b><br><i>Julius R. Krevans Award for Clinical Excellence</i><br>In recognition of excellence in patient care, as exemplified by clinical competence, professional conduct, compassion for patients and outstanding interaction with all levels of staff, including peers. | <b>San Francisco</b><br>July, 1989    |
| <b>UC Berkeley School of Public Health</b><br><i>Warren Winkelstein Epidemiology Award</i><br>In recognition of outstanding contributions to the field of epidemiology during doctoral graduate studies.   | <b>Berkeley, CA</b><br>May, 2000      |
| <b>City and County of San Francisco</b><br><i>Latino Heritage Award in Health and Medicine</i><br>In recognition to protecting and promoting community health and equity in San Francisco.   | <b>San Francisco, CA</b><br>Oct, 2012 |
| <b>Applied Public Health Statistics, American Public Health Association</b><br><i>Achievement in Government Award</i><br>In recognition for outstanding contributions to statistics and public health in government.   | <b>Washington, DC</b><br>Nov, 2018    |
| <b>University of California, Berkeley School of Public Health</b><br><i>2021 Alumnus of the Year Award</i><br>In recognition for contributions to the field of public health and for achievements that serve as a source of inspiration to our graduating students.  | <b>Berkeley, CA</b><br>May, 2021      |

## Professional Certifications & Memberships

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|---|--------------------------------|
| <b>Stanford University, Center for Professional Development</b><br><i>Certification in Strategic Decision and Risk Management in Healthcare</i><br>Certificate awarded in 2016. Completed Stanford University courses below: <sup>a</sup>       | <b>California</b><br>2015–2017 |
| <ul style="list-style-type: none"> <li>○ XSDR120-080: Decision Quality</li> <li>○ XSDR122-043: Decision Analysis</li> <li>○ XSDR123-021: Managing Risk in Healthcare Organizations</li> <li>○ XSDR220-043: Biases in Decision-Making</li> </ul> |                                |

- XSDR221-041: Strategic Innovation and Design Thinking
- XSDR222-041: Value-Driven Enterprise Risk Management
- XSDR225-011: Collaborative Decision-Making and Negotiation
- XSDR226-009: Scenarios and Effective Forecasting
- XSDR320-035: Advanced Decision Analysis
- XSDR321-060: Modeling for Strategic Insight
- XSDR322-053: Leading Strategic Decision-Making
- XSDR420-012: Decision Quality Practicum
- XAPM110-122: Converting Strategy into Action (advanced portfolio/project management)

<sup>a</sup> In 2015, completed business courses in accounting, corporate finance, economics, marketing and analytics from California State University, Dominguez Hills.

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| <b>Medical Board, State of California</b>  | <b>California</b> |
| <i>Physician and Surgeon, License G 068687</i>                                       | 1991– ...         |
| <b>American Board of Internal Medicine, No. 139201</b>                               | <b>California</b> |
| <i>Diplomate in Internal Medicine, Certified 09/25/1991, Re-certified 11/07/2001</i> | 1991–2011         |
| <b>American College of Physicians-American Society of Internal Medicine</b>          |                   |
| <i>Member</i>  | 1991– ...         |
| <b>American Public Health Association</b>  |                   |
| <i>Member</i>  | 2010– ...         |
| <b>San Francisco Marin Medical Society</b>   |                   |
| <i>Board member</i>  | 2011– ...         |

## Scientific Committee Service

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|---|--------------------------|
| <b>Western States Scientific Safety Review Workgroup</b>  | <b>Sacramento, CA</b>    |
| <i>Committee Member</i>   | 2020–present             |
| To ensure the COVID-19 vaccine meets safety requirements, California formed the Scientific Safety Review Workgroup comprised of nationally recognized immunization, public health, academic and other subject matter experts. The workgroup stays informed about vaccine candidate(s) trials, evidence of safety and efficacy, and other information to independently provide recommendations to California leadership regarding vaccine planning efforts and to ensure public confidence in vaccine safety, efficacy, and implementation efforts. In October, this group was expanded to include Western state partners. URL: <a href="https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Scientific-Safety-Review-Workgroup.aspx">https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Scientific-Safety-Review-Workgroup.aspx</a>  |                          |
| <b>Latinx Center of Excellence, UCSF Center for Vulnerable Populations</b>  | <b>San Francisco, CA</b> |
| <i>Committee Member</i>   | 2018–2020                |
| Partner with Hispanic Serving Institutions to increase the number of students competitive for medical school admissions; Create a leadership enrichment summer program to enhance Latino/URM medical student ability to compete for highly competitive residency programs; Double the proportion of Latino faculty through the creation of (a) an academic career program that will target Latino/other URM residents, and (b) a faculty academic development program that will enhance our ability to recruit and promote Latino/URM faculty; Review and revise UCSF SOM curriculum to ensure key competencies in care of Latinos are taught and assessed; Expand a highly successful research program for UCSF Latino/URM medical students and undertake activities that will expand Latino population-oriented research at UCSF; and Expand off-campus clinical training with highly vulnerable Latino patients for Latino and non-Latino medical students. URL: <a href="https://latinx.ucsf.edu/">https://latinx.ucsf.edu/</a> |                          |
| <b>Governor's Advisory Committee on Precision Medicine</b>  | <b>Sacramento, CA</b>    |
| <i>Committee Member</i>   | 2017–2019                |

Precision medicine uses data-driven tools and analysis to develop new diagnostics, therapies and insights into health and disease. Governor Brown announced the California Initiative to Advance Precision Medicine (<http://opr.ca.gov/ciapm/>) in April 2015 as the first-in-the-nation, state-level effort to fund focused precision medicine projects to improve care and treatment for specific diseases. The committee advises the Governor's Office on emerging precision medicine policy issues, such as data sharing and data privacy within and across technology platforms and tools; clinical utility of precision medicine approaches to care; patient and provider engagement and education; and economic impact and sustainability of precision medicine-based treatments. In December, 2018, the committee released its report **Precision Medicine—An action plan for California**.

**UCSF Center for Community Engagement (CCE) Council**

**San Francisco, CA**

*Council Member*

*2014–2020*

The Center for Community Engagement (CCE) coordinates and facilitates UCSF community-academic-health and healthcare partnerships to promote civic engagement and foster health and well-being. CCE leverages UCSF's role as an anchor institution with the goals of creating opportunity, advancing equity and improving health outcomes in under resourced communities.

**Institute of Medicine**

**Washington, DC**

*Committee Member*

*2012–2012*

Committee on the Assessment of Studies of Health Outcomes Related to the Recommended Childhood Immunization Schedule. Review safety of childhood immunization schedule, and review and recommend research study designs and methods to assess the safety and population health outcomes of making changes to the schedule. Final Report: IOM (Institute of Medicine). 2013. *The childhood immunization schedule and safety: Stakeholder concerns, scientific evidence, and future studies*. Washington, DC: The National Academies Press. Available at [http://www.nap.edu/catalog.php?record\\_id=13563](http://www.nap.edu/catalog.php?record_id=13563)

**Centers for Disease Control and Prevention**

**Atlanta, CA**

*Member*

*2008–2011*

National Biosurveillance Advisory Subcommittee. Provide counsel to the CDC and Federal Government regarding a broad range of human health surveillance issues arising from the development and implementation of a roadmap for the human health component of a national biosurveillance system. Final report: Report to the Advisory Committee to the Director, CDC. *Improving the Nation's Ability to Detect and Respond to 21 st Century Urgent Health Threats: Second Report of the National Biosurveillance Advisory Subcommittee*. April, 2011. Available at [http://www.cdc.gov/about/pdf/advisory/nbasfinalreport\\_april2011.pdf](http://www.cdc.gov/about/pdf/advisory/nbasfinalreport_april2011.pdf)

**Centers for Disease Control and Prevention**

**Atlanta, GA**

*Member*

*2008–2009*

Biosurveillance Measurement Workgroup, Outcome Monitoring and Evaluation Branch, Division of State and Local Readiness, Coordinating Office for Terrorism Preparedness and Emergency Response, CDC. Developed a standardized and robust set of performance measures for CDC's Public Health Emergency Preparedness Cooperative Agreement. Final report available at [http://www.cdc.gov/about/pdf/advisory/nbasfinalreport\\_april2011.pdf](http://www.cdc.gov/about/pdf/advisory/nbasfinalreport_april2011.pdf)

**Centers for Disease Control and Prevention**

**Atlanta, GA**

*Expert Consultant*

*1998*

Resulted in this publication: CDC. Recommendations for prevention and control of hepatitis C virus (HCV) infection and HCV-related chronic disease. MMWR 1998;47 (No. RR-19). Available from <http://www.cdc.gov/MMWR/PDF/rr/rr4719.pdf>

## Teaching Experience

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### University of California, Berkeley, School of Public Health.....

#### Division of Epidemiology

Berkeley, CA

##### *Instructor*

1995– ...

- PH 251D: Applied Epidemiology Using R, 2004–...
- PH 253B: Epidemiology and Control of Infectious Diseases, 2006, 2008–2011
- PH 257B: Public Health Preparedness and Emergency Response, 2008–2010
- PH 252: Intervention Trial Design, 2008
- PH N257: Essential Field Epidemiology: Outbreak Investigations, 2004–2006 (Summer School)
- PH 257: Outbreak Investigation, 2006
- PH 298: Epidemiologic Analysis, Covered Dr. Steve Selvin course who was on sabbatical
- PH 298: Core Infectious Disease Emergency Readiness, 2005
- PH 298: Essentials of Public Health Epidemiology, 2004
- PH 298: Designing a Public Health Research Protocol, 2004
- PH 298: Epidemiologic Methods for the Study of Infectious Diseases, 2004, 2005
- PH 250B: Epidemiologic Methods II, Co-taught with Drs. Patricia Buffler and Joseph Eisenberg
- PH 250A: Advanced Epidemiologic Methods I, 1996
- PH 250C: Advanced Epidemiologic Methods III, Graduate Student Instructor, 1995

### University of California, San Francisco.....

#### Department of Epidemiology & Biostatistics

San Francisco

##### *Instructor*

1995–2000

- Advanced Training in Clinical Research (ATCR), 1998–2000
- Outcomes Research And CLinical Epidemiology (ORACLE), 1995,1997

## Scientific, peer-reviewed articles (reverse chronological order)

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1. Degutis LC, Shoaf K, **Aragón TJ**, Atchison C, Dyjack D, Hites L, Links J, Olson D, Potter M, Thompson J, Turnock B. The Urgent Need for Public Health Preparedness Funding and Support. *Am J Public Health*. 2021 Mar;111(3):363-365. doi: <https://doi.org/10.2105/ajph.2020.306068>. PMID: 33566658
2. **Aragón TJ**, Cody SH, Farnitano C, Hernandez L, Morrow SA, Pan ES, et al. Crisis Decision-Making at the Speed of COVID-19: Field Report on Issuing the First Regional Shelter-in-Place Orders in the United States. *Journal of Public Health Management and Practice*. 2020; doi: <https://doi.org/10.1097/PHH.0000000000001292>. PMID: 33239560
3. Louie JK, Stoltey J, Scott HM, DuBois A, Golden L, Philip S, **Aragón TJ**. Early COVID-19 Successes in Skilled Nursing Facilities in San Francisco. *J Am Geriatr Soc*. 2020 Dec;68(12):2744-2745. doi: <https://doi.org/10.1111/jgs.16765>. Epub 2020 Sep 8. PMID: 33411328
4. Louie JK, Stoltey JE, Scott HM, Trammell S, Ememu E, Samuel MC, **Aragón TJ**, Masinde G. Comparison of symptomatic and asymptomatic infections due to severe acute respiratory coronavirus virus 2 (SARS-CoV-2) in San Francisco long-term care facilities. *Infect Control Hosp Epidemiol*. 2020 Dec 14:1-3. doi: <https://doi.org/10.1017/ice.2020.1371>. Online ahead of print. PMID: 33308337
5. Louie JK, Scott HM, DuBois A, Sturtz N, Lu W, Stoltey J, Masinde G, Cohen S, Sachdev D, Philip S, Bobba N, **Aragón T**. Lessons from Mass-Testing for COVID-19 in Long Term Care Facilities for the Elderly in San Francisco. *Clinical Infectious Diseases*. 2020 Jul; doi: <https://doi.org/10.1093/cid/ciaa1020>.
6. Towfighi A, Orechwa AZ, **Aragón TJ**, Atkins M, Brown AF, Brown J, et al. Bridging the gap between research, policy, and practice: Lessons learned from academic–public partnerships in the



- CTSA network. *Journal of Clinical and Translational Science*. 2020 Mar;4(3):201–208. doi: <https://doi.org/10.1017/cts.2020.23>.
7. Grumbach K, Vargas RA, Fleisher P, **Aragón TJ**, Chung L, Chawla C, et al. Achieving Health Equity Through Community Engagement in Translating Evidence to Policy: The San Francisco Health Improvement Partnership, 2010–2016. *Preventing Chronic Disease*. 2017 Mar;14. doi: <https://doi.org/10.5888/pcd14.160469>.
  8. **Aragón TJ**, Garcia BA. Designing a Learning Health Organization for Collective Impact. *Journal of Public Health Management and Practice*. 2015;21:S24–S33. doi: <https://doi.org/10.1097/phh.000000000000154>.
  9. Hunter MD, Hunter JC, Yang JE, Crawley AW, **Aragón TJ**. Public Health System Response to Extreme Weather Events. *J Public Health Manag Pract*. 2015 Jan 9. PMID: 25581272.
  10. Liu F, Enanoria WT, Ray KJ, Coffee MP, Gordon A, **Aragón TJ**, Yu G, Cowling BJ, Porco TC. Effect of the one-child policy on influenza transmission in China: A stochastic transmission model. *PLoS ONE*. 2014 Feb 6;9(2):e84961. doi: 10.1371/journal.pone.0084961. PMID: 24516519.
  11. Enanoria WT, Crawley AW, Hunter JC, Balido J, **Aragón TJ**. The epidemiology and surveillance workforce among local health departments in California: Mutual aid and surge capacity for routine and emergency infectious disease situations. *Public Health Rep*. 2014;129 Suppl 4:114–22. PMID: 25355982.
  12. Chu PL, Nieves-Rivera I, Grinsdale J, Huang S, Philip SS, Pine A, Scheer S, **Aragón T**. A public health framework for developing local preventive services guidelines. *Public Health Rep*. 2014 Jan;129 Suppl 1:70–8. PMID: 24385652; PMCID: PMC3862992.
  13. Hunter JC, Yang JE, Crawley AW, Biesiadecki L, **Aragón TJ**. Public health response systems in-action: learning from local health departments' experiences with acute and emergency incidents. *PLoS ONE*. 2013 Nov 13;8(11):e79457. doi: 10.1371/journal.pone.0079457. PMID: 24236137; PMCID: PMC3827361.
  14. Enanoria WT, Crawley AW, Tseng W, Furnish J, Balido J, **Aragón TJ**. The epidemiology and surveillance response to pandemic influenza A (H1N1) among local health departments in the San Francisco Bay Area. *BMC Public Health*. 2013 Mar 27;13:276. doi: 10.1186/1471-2458-13-276. PMID: 23530722; PMCID: PMC3681650.
  15. Hunter JC, Crawley AW, Petrie M, Yang JE, **Aragón TJ**. Local Public Health System Response to the Tsunami Threat in Coastal California following the Tōhoku Earthquake. *PLoS Curr*. 2012 Jul 16;4:e4f7f57285b804. doi: 10.1371/4f7f57285b804. PMID: 22953236; PMCID: PMC3426142.
  16. Hunter JC, Yang JE, Petrie M, **Aragón TJ**. Integrating a framework for conducting public health systems research into statewide operations-based exercises to improve emergency preparedness. *BMC Public Health*. 2012 Aug 20;12:680. doi: 10.1186/1471-2458-12-680. PMID: 22905991; PMCID: PMC3505730.
  17. Hunter JC, Rodríguez DC, **Aragón TJ**. Public health management of antiviral drugs during the 2009 H1N1 influenza pandemic: a survey of local health departments in California. *BMC Public Health*. 2012 Jan 25;12:82. doi: 10.1186/1471-2458-12-82. PMID: 22276659; PMCID: PMC3323435.
  18. Katcher BS, Reiter RB, **Aragón TJ**. Estimating alcohol-related premature mortality in San Francisco: use of population-attributable fractions from the global burden of disease study. *BMC Public Health*. 2010 Nov 9;10:682. PMID: 21062479; PMCID: PMC3091581.
  19. Vukotich CJ Jr, Coulborn RM, **Aragón TJ**, et al. Findings, gaps, and future direction for research in nonpharmaceutical interventions for pandemic influenza. *Emerg Infect Dis*. 2010 Apr;16(4):e2. PMID: 20350370.
  20. Aiello AE, Coulborn RM, **Aragón TJ**, et al. Research findings from nonpharmaceutical intervention studies for pandemic influenza and current gaps in the research. *Am J Infect Control*. 2010 May;38(4):251–8. Epub 2010 Mar 12. Review. PMID: 20226569.

21. **Aragón TJ**, Lichtensztajn DY, Katcher BS, Reiter R, Katz MH. Calculating expected years of life lost for assessing local ethnic disparities in causes of premature death. *BMC Public Health*. 2008 Apr 10;8:116. PMID: 18402698; PMCID: PMC2386472. URL: <http://bit.ly/premature-deaths-sf>
22. **Aragón TJ**, Vugia DJ, Shallow S, Samuel MC, Reingold A, Angulo FJ, Bradford WZ. Case-control study of shigellosis in San Francisco: the role of sexual transmission and HIV infection. *Clin Infect Dis*. 2007 Feb 1;44(3):327-34. Epub 2006 Dec 29. PMID: 17205436. See commentary: Daskalakis DC, Blaser MJ. Another perfect storm: Shigella, men who have sex with men, and HIV. *Clin Infect Dis*. 2007 Feb 1;44(3):335-7. Epub 2006 Dec 29. PMID: 17205437.
23. Porco TC, Holbrook KA, Fernyak SE, Portnoy DL, Reiter R, **Aragón TJ**. Logistics of community smallpox control through contact tracing and ring vaccination: A stochastic network model. *BMC Public Health*. 2004 Aug 6;4:34. PMID: 15298713; PMCID: PMC520756.
24. **Aragón TJ**, Fernyak SE. The risks and benefits of pre-event smallpox vaccination: where you stand depends on where you sit. *Ann Emerg Med*. 2003 Nov;42(5):681-4. Review. PMID: 14581921.
25. **Aragón TJ**, Ulrich S, Fernyak S, Rutherford GW. Risks of serious complications and death from smallpox vaccination: a systematic review of the United States experience, 1963-1968. *BMC Public Health*. 2003 Aug 11;3:26. Review. PMID: 12911836; PMCID: PMC194634.
26. **Aragón TJ**, Novotny S, Enanoria W, et al. Endemic cryptosporidiosis and exposure to municipal tap water in persons with acquired immunodeficiency syndrome (AIDS): a case-control study. *BMC Public Health*. 2003 Jan 6;3:2. Epub 2003 Jan 6. PMID: 12515584; PMCID: PMC149226.
27. Bangsberg DR, Rosen JI, **Aragón T**, Campbell A, Weir L, Perdreau-Remington F. Clostridial myonecrosis cluster among injection drug users: A molecular epidemiology investigation. *Arch Intern Med*. 2002 Mar 11;162(5):517-22. PMID: 11871919.
28. Porco TC, **Aragón TJ**, Fernyak SE, Cody SH, Vugia DJ, Katz MH, Bangsberg DR. Risk of infection from needle reuse at a phlebotomy center. *Am J Public Health*. 2001 Apr;91(4):636-8. PMID: 11291380; PMCID: PMC1446637.
29. CDC. Reported by: Klausner JD, **Aragón T**, Enanoria WTA, et al. Shigella sonnei outbreak among men who have sex with men—San Francisco, California, 2000-2001. *MMWR Morb Mortal Wkly Rep*. 2001 Oct 26;50(42):922-6. PMID: 11699845.
30. **Aragón T**, Fernyak S, Reiter R. Risk of the hemolytic-uremic syndrome after antibiotic treatment of Escherichia coli O157:H7 infections. *N Engl J Med*. 2000 Oct 26;343(17):1271-2; author reply 1272-3. PMID: 11183357.
31. Baer JT, Vugia DJ, Reingold AL, **Aragon T**, Angulo FJ, Bradford WZ. HIV infection as a risk factor for shigellosis. *Emerg Infect Dis*. 1999 Nov-Dec;5(6):820-3. PMID: 10603219; PMCID: PMC2640795.
32. CDC. Reported by: **Aragón T**, Katz M, Mintz L. Nosocomial group A streptococcal infections associated with asymptomatic health-care workers—Maryland and California, 1997. *MMWR Morb Mortal Wkly Rep*. 1999 Mar 5;48(8):163-6. PMID: 10079063.
33. Colford JM Jr, Tager IB, Hirozawa AM, Lemp GF, **Aragon T**, Petersen C. Cryptosporidiosis among patients infected with human immunodeficiency virus. Factors related to symptomatic infection and survival. *Am J Epidemiol*. 1996 Nov 1;144(9):807-16. PMID: 8890659.
34. Hambleton J, **Aragón T**, Modin G, Northfelt DW, Sande MA. Outcome for hospitalized patients with fever and neutropenia who are infected with the human immunodeficiency virus. *Clin Infect Dis*. 1995 Feb;20(2):363-71. PMID: 7742443.



## Technical and creative works (reverse chronological order)

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### Contributions to equity and health equity.....

1. **Aragón TJ**. Workplace power, privilege, and equity: What's the connection? Population Health blog. Jun 2018. URL: <http://bit.ly/workplace-equity>
2. **Aragón TJ**, Lichtensztajn DY, Katcher BS, Reiter R, Katz MH. Calculating Expected Years of Life Lost to Rank the Leading Causes of Premature Death in San Francisco. San Francisco Department of Public Health. July 24, 2007. [http://www.sfdph.org/dph/files/reports/StudiesData/CHE\\_Rpt07242007C.pdf](http://www.sfdph.org/dph/files/reports/StudiesData/CHE_Rpt07242007C.pdf)
3. **Aragón T**. Mortality Burden of Disease and Injury: Concepts, Methods, and Applications. Doctoral Thesis, Spring 2000, Division of Public Health Biology and Epidemiology, School of Public Health, University of California at Berkeley
4. **Aragón T**, Reiter R, Katcher B. San Francisco Burden of Disease & Injury Study: Mortality Analysis 1990-1995. Report. Community Health Epidemiology & Disease Control, San Francisco Department of Public Health, December 1998, <https://www.sfdph.org/dph/files/reports/StudiesData/DiseaseInjury/bdi9095b1.pdf>
5. Glaser ER, Davis MM, **Aragón T**. Cancer Incidence Among Residents of the Bayview-Hunters Point Neighborhood, San Francisco, California 1993-1995. Report. California Cancer Registry, California Department of Health Services. January 1998, <https://www.sfdph.org/dph/files/reports/StudiesData/DiseaseInjury/bv huntca.pdf>

### Contributions to leadership, management and performance improvement.....

1. **Aragón TJ**. The 7 Principles of Building Trust. Population Health blog. Oct 2017. URL: <https://taragonmd.github.io/posts/2021-05-01-seven-principles-for-building-trust/>
2. **Aragón TJ**, Colfax CN. We will be the best at getting better! An introduction to population health improvement. eScholarship.org Winter 2019; URL: <https://escholarship.org/uc/item/9xg5t30s>
3. **Aragón TJ** PDSA problem-solving: With a gentle introduction to double-loop learning, program theory, and causal graphs. eScholarship.org 2017; URL: <http://www.escholarship.org/uc/item/8wp451vd>.
4. **Aragón TJ** What is your leadership equation? Staff communiqué 2015. URL: <http://bit.ly/leadership-equation>
5. **Aragón TJ**, Mier HM, Payauys T, Siador CS. Project Management for Health Professionals. eScholarship.org 2012; URL: <https://escholarship.org/uc/item/7bb8b9pw>.

### Contributions to behavioral health.....

1. **Aragón TJ** and Scientific Leadership Team. Syringe access, disposal and recovery to protect the public's health. San Francisco Department of Public Health. August, 2018. URL: <https://escholarship.org/uc/item/2r7298jr>
2. Bermudez R, Brandon J, **Aragón T**. Causes of Mortality Among Homeless Persons Identified from Medical Examiner Records 1997. Report. Community Health Epidemiology & Disease Control, San Francisco Department of Public Health, November 1998

### Contributions to data science and mathematical modeling.....

1. **Aragón TJ**. Population health thinking with Bayesian networks. eScholarship.org; Nov 2018. Available from <https://escholarship.org/uc/item/8000r5m5>
2. **Aragón TJ**. Criteria weights for decision making—the easy way. Population Health blog. Aug 2018. URL: <http://bit.ly/2BXPeoD>
3. **Aragón TJ**. Program theory is for the DAGs! Population Health blog. Part 1 (Dec 2017 URL:

- <http://bit.ly/2CpsuyM>) and Part 2 (Mar 2018. URL: <http://bit.ly/2pCB6tG>)
4. **Aragón TJ**. How you actually make decisions will surprise you. Population Health blog. Dec 2017. URL: <http://bit.ly/2pzwYef>
  5. **Aragón TJ** (software package). *epitools: R Package for Epidemiologic Data and Graphics*. URL: <https://cran.r-project.org/web/packages/epitools/index.html>.
  6. **Aragón TJ**. Practical L<sup>A</sup>T<sub>E</sub>X for the Health Sciences (updated 2016) eScholarship.org 2016; URL: <https://escholarship.org/uc/item/30c2r01g>.
  7. **Aragón TJ**, et al. (2012) Deriving Criteria Weights for Health Decision Making: A Brief Tutorial. eScholarship.org; URL: <https://escholarship.org/uc/item/52755837>.
  8. Porco TC, **Aragón TJ**, Fernyak SE, Cody SH, Vugia DJ, Katz MH, Bangsberg DR. Quantitative risk assessment for needle reuse at a phlebotomy center: parameter estimation, scenario evaluation, and sensitivity analysis. Technical Report, San Francisco Department of Public Health. May 22, 2000, <https://www.sfdph.org/dph/files/reports/StudiesData/ndlreuse.pdf>

### Contributions to public health, especially disasters, outbreaks, and communicable diseases.....

1. McCoy SI, **Aragón TJ**, and Reingold A (book chapter). "Epidemiology and Control of Infectious Diseases" (*in press*)
2. **Aragón TJ**. The 7 habits of uninfected people. Population Health blog. Apr 2018. URL: <http://bit.ly/2zTlGXY>
3. **Aragón TJ**. Investigation of aconite poisoning from consumption of Chinese herbal tea. San Francisco Department of Public Health. July 10, 2017.
4. **Aragón TJ** & Garcia BA. Outbreak of Shiga Toxin-Producing *Escherichia coli* O157 Infection Associated with a Restaurant. San Francisco Department of Public Health. December 23, 2017. URL: <http://www.escholarship.org/uc/item/44m2t9wm>
5. **Aragón TJ**, San Francisco plastic-bag ban associated with 46% increase in foodborne illness deaths—Not! The Berkeley Blog. Feb 2013. URL: [http://blogs.berkeley.edu/wp-content/uploads/2013/02/SF-Health-Officer-MEMO-re-Reusable-Bag-Study\\_V8-FIN1.pdf](http://blogs.berkeley.edu/wp-content/uploads/2013/02/SF-Health-Officer-MEMO-re-Reusable-Bag-Study_V8-FIN1.pdf)
6. **Aragón TJ** (2011). Epidemiologic Concepts for the Prevention and Control of Infectious Diseases. eScholarship.org; URL: <https://escholarship.org/uc/item/7687z08g>.
7. **Aragón TJ**, Adam Crawley, Norma Martinez-Rubin. The Seasonal and Pandemic Influenza Vaccination Assessment Toolkit. Oct 2010. URL: <http://www.escholarship.org/uc/item/76g7r8gz>
8. Enanoria W, Anglemeyer A, **Aragón TJ**. Washoe County Needs Assessment of Medical Providers. Center for Infectious Disease Preparedness, University of California at Berkeley, August 2005 <http://www.idready.org/pubs/WashoeNeedsAssessReport-Final.pdf>
9. Mann J, Lee R, **Aragón T**, Bhatia R. Radiofrequency Radiation from Broadcast Transmission Towers and Cancer: A review of epidemiology studies. San Francisco, Department of Public Health. March, 2001, <http://www.sfdph.org/dph/files/reports/StudiesData/RadioFreqRadRpt032001.pdf>
10. Adler S, **Aragón T**. Summary Report: Survey of Hepatitis C Virus counseling and testing services at HIV counseling and testing sites, and health service sites. San Francisco Department of Public Health. September 1, 1999. <https://www.sfdph.org/dph/files/reports/StudiesData/hcvsum.pdf>
11. **Aragón T**. Investigation of Postoperative Streptococcal Toxic Shock Syndrome Cluster at a San Francisco Hospital, San Francisco Department of Public Health, April 1998
12. **Aragón T**. Investigation of Suspected Food-borne Illness in Persons Attending the Computer Curriculum Corporation Conference at the Grand Hyatt San Francisco on Union Square. San Francisco Department of Public Health, March 1998
13. **Aragón T**. "Infectious Diseases" in *Pathophysiology of Disease: An Introduction to Clinical Medicine*, 1st & 2nd Eds. (1997) Stephen McPhee & Vishwanath Lingappa, Editors, Appleton & Lange.

14. **Aragón T** and Sande M. "Infective Endocarditis" in *Internal Medicine*, 4th edition, 1993, Jay H. Stein (Editor). Little, Brown and Company.