

**Date Prepared: 3/28/2022**

**NAME: ELENA SAVOIA**  
**ACADEMIC TITLE: PRINCIPAL RESEARCH. SCIENTIST**  
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**EDUCATION:**

Date: 1999	Discipline: Medicine and Surgery	Degree: Medical Doctor	Institution: University of Bologna
Date: 2004	Discipline: Public Health	Degree: MPH	Institution: Harvard T.H. Chan School of Public Health

**POSTDOCTORAL TRAINING:**

Date: 2000	Internship	Regional Healthcare Agency, Bologna (Italy)	Title: Research Intern
Date: 2000	Internship	Place: Emergency Medicine, Maggiore Hospital, Bologna (Italy)	Title: Medical Intern
Date: 2001	Executive Education Program: Certificate Program in Informatics and Statistics for Healthcare Organizations	Place: Catholic University, Rome (Italy)	Title: N/A
Date: 2003	Specialty: Hygiene and Preventive Medicine	Place: University of Bologna (Italy)	Title: Specialist
Date: 2004	Fellowship: Marco Polo Fellowship	Place: University of Bologna (Italy)	Title: Research Fellow

**ACADEMIC APPOINTMENTS:**

Dates: 2004-2006	Research Fellow	Department of Hygiene and Public Health	University of Bologna (Italy)
Dates: 2004-2008	Research Associate	Division of Public Health	Harvard T.H. Chan School of Public Health
Dates: 2008-2011	Research Scientist	Division of Public Health	Harvard T.H. Chan School of Public Health
Dates: 2011-2016	Research Scientist	Department of Biostatistics	Harvard T.H. Chan School of Public Health
Dates: 2016-Present	Senior Research Scientist	Department of Biostatistics	Harvard T.H. Chan School of Public Health
Dates: 2021-Present	Principal Research Scientist	Department of Biostatistics	Harvard T.H. Chan School of Public Health

**OTHER PROFESSIONAL APPOINTMENTS:**

2005-2014 Centers for Disease Control and Prevention  
Evaluation Working Group in Preparedness & Emergency Response - Learning Centers  
Role: Working Group Member

2020-2021 Boston, MA  
Federal Emergency Management Agency (FEMA) COVID-19 Healthcare and Social Services  
Recovery Task Force – Region I  
Role: Member of the Task Force

**MAJOR ADMINISTRATIVE RESPONSIBILITIES:**

2015- present Deputy Director [Emergency Preparedness, Research Evaluation Practice Program \(EPREP\)](http://www.hsph.harvard.edu/preparedness) in the Division of Policy Translation and Leadership Development, Harvard T.H. Chan School of Public Health, Boston, MA ([www.hsph.harvard.edu/preparedness](http://www.hsph.harvard.edu/preparedness))

*Key activities:*

- Co-Founder IRIS Research Group – a Research Coalition with London School of Hygiene and Tropical Medicine, London City University, Ca' Foscari, La Sapienza, Cambridge University.

- Founder and director of the [Community Safety Branch](#) of the EPREP Program
- Principal investigators of projects funded by the Department of Health and Human Services, Department of Homeland Security, and National Institute of Justice for a total budget of \$4M/year
- Development and leadership of domestic and international projects in the area of program evaluation in public health emergency preparedness and international security
- Development and implementation of international workshops on measurement and program evaluation
- Supervision of a staff including a research associate, four research fellows, a project research manager, and seven part-time research assistants.
- Supervision of MPH students during the completion of their master degree practicum requirements
- Development of manuscripts, conference presentations and specific trainings for health departments' staff and first responders

2010-2015 Deputy Director, Preparedness and Emergency Response Learning Center (PERLC) in the Division of Policy Translation and Leadership Development, Harvard T.H. Chan School of Public Health, Boston, MA ([www.hsph.harvard.edu/preparedness](http://www.hsph.harvard.edu/preparedness))

*Key activities:*

- Contributed as a member of the Leadership Group to the development of the “Core Competency Model for Public Health Preparedness & Response” supported by the Association of Schools of Public Health (ASPH) and Centers for Disease Control and Prevention (CDC).
- Developed a portfolio of online lectures in emergency preparedness in collaboration with faculty members and public health practitioners.
- Developed surveys and interview guides to assess the impact of the lectures and learning products being developed.
- Developed workshops and symposium events targeted to the public health workforce and hosted in collaboration with various local and national associations (i.e. National Association of County and City Health Officials, Massachusetts Medical Society, Massachusetts Association of Boards of Health, etc.).
- Maintained a network of collaborating partners and an advisory board including representatives from local, state, and national level governmental, and non-governmental organizations.
- Designed and oversaw the development of toolkits to facilitate the evaluation of emergency programs (i.e. exercise evaluation toolkit, emergency risk communications item bank, learning from critical incidents toolkit).
- Provided technical assistance to public health agencies in the implementation of surveys, interviews, after action reports and data analysis based on local needs and requests.
- Developed and published manuscripts in collaboration with other faculty members and public health practitioners.

- Supervised students for the Harvard Chan School ID-265 practicum and MPH practicum requirements as well as students from Boston University for their practicum requirements. (See details below).
- Presented/taught at workshops, invited lectures, conferences, town halls (see details in publications).
- Oversaw budget, supervised personnel and human resources relations and led progress reporting procedures for sponsoring agencies.

2009-2010 Acting Director, Center for Public Health Preparedness (CPHP) at the Division of Public Health Practice, Harvard T.H. Chan School of Public Health, Boston, MA

*Key activities:*

- Developed training products per Massachusetts Department of Public Health and local public health agencies' request.
- Organized seminars, workshops and Speaker's Series.
- Evaluated the impact of training activities.

**COMMITTEE SERVICE:**

**PROFESSIONAL SOCIETIES:**

2007 National Association of County and City Health Officials (NACHHO)

Advance Practice Center Projects

Role: Reviewer

2010 Academy Health Public Health System Research Award Committee

Role: Reviewer

**GRANT REVIEW ACTIVITIES:**

2011 Department of Health Human Services (DHHS)

Special Emphasis Panel/Scientific Review Group 2011/05 ZES1 LWJ-J (Deepwater Horizon)

Role: Reviewer

2013 Department of Health Human Services (DHHS)

Panel/Scientific Review Group Hurricane Sandy's effect on Neighborhood Built Environments

Role: Reviewer

## **EDITORIAL ROLES:**

### **Ad hoc reviewer**

- American Journal of Public Health
- Lancet
- BMC Public Health
- Journal of Health Security, formerly Journal of Bioterrorism and Biosecurity: Biodefense, Practice and Strategy
- Journal of Public Health Management and Practice
- Journal of Disaster Medicine and Public Health Preparedness
- International Journal for Equity in Health
- American Public Health Association Annual Meeting
- Academy Health Annual Meeting
- Public Health Reports
- PLOS-One
- Vaccines

### **OTHER PUBLIC SERVICE (for example expert testimony, interviews):**

- Co-chair Brookline School District, MA Public Health and Logistics Task Force for the Reopening of Schools

## **FUNDED GRANTS:**

### **ACTIVE GRANTS**

#### **July 2021-March 2022**

**Project Title: COVID-19 Vaccine Confidence and Infodemic Initiative  
Global Collaboration for Measuring Communication Capabilities to Enhance Vaccine  
Confidence and Counter Misinformation**

Amount: \$480,000

Sponsor: London School of Hygiene and Tropical Medicine

PI at LSHTM: Heidi Larson

Role: Principal Investigator

#### **January 2021-January 2023**

**Project Title: Blue Campaign Program Evaluation and Violence Prevention**

Amount: \$874,902

The goal of the project is to evaluate the effectiveness of human trafficking awareness campaigns and validate predictive indicators used to recognize human trafficking activity.

Role: P.I.

**February 2021-December 2022**

**Project Title: SAVE project**

**Sponsor: DOJ**

Role: Co-investigator

PI: Marcia A. Testa

Amount: \$149,998

The goal of the project is to implement and evaluate programs that address school violence in the Brockton School District, MA with specific focus on mental health and risks encountered in the online space.

**January 2020 – December 2021 (NCE TO December 2022)**

**Project title: Applying a Developmental Evaluation Approach to Address Community Safety and Health Challenges of Reintegration Programs in the USA**

**Sponsor: U.S. National Institute of Justice**

Role: P.I.

Amount award: \$1,114,933

The goal of this project is to optimize the design and implementation of reintegration programs using adaptive evaluation methods and sequential analysis in order to assess the effectiveness of specific reintegration interventions and reintegration therapies.

**January 2021 – September 2021**

**Project title: Nebraska/Region 7 Partnership for Regional Health Disaster Response**

**Sponsor: U.S. Department of Health and Human Services' Assistant Secretary for Preparedness and Response (ASPR)**

P.I.: Elena Savoia in 2021, Co-PI in 2022

Amount award: \$160,000

The goal of this project is to develop metrics to be utilized to assess response readiness of healthcare coalitions, states, regions with a capacity-capability analysis template to be used for period assessments.

**September 2018 – September 2023**

**Project title: Partnership for a Regional Disaster Health Response System**

**Sponsor: U.S. Department of Health and Human Services' Assistant Secretary for Preparedness and Response (ASPR)**

P.I.: Elena Savoia from 2018-2021, Co-PI from 2021-2022

Amount award: \$319,998

The goal of this project is to develop an evaluation plan and metrics for the Partnership for a Regional Disaster Health Response System developed in Massachusetts.

**COMPLETED GRANTS**

**October 2016 – March 2020**

**Participatory Mapping to Identify and Support at-Risk Populations in Emergency Preparedness**

**Sponsor: U.S. Centers for Disease Control & Prevention**

P.I: Elena Savoia

Amount awarded: \$1,500,000

The goal of this project is to develop participatory processes to identify needs of vulnerable population during public health emergencies.

**October 2016 – May 2019**

**Evaluation of the Peer to Peer Initiative**

Sponsor: National Institute of Justice

P.I: Elena Savoia

Amount awarded: \$750,000

The goal of this project is to assess the effectiveness of online counter narratives developed by youth to counter violent extremism in the USA.

**January 2016 – December 2016**

**The Evidence Based Preparedness Project – Synthesis and Translation of Public Health Preparedness and Response Research**

Sponsor: Association of Schools & Programs of Public Health (ASPPH)

P.I.: Marcia A. Testa

Role: Co-PI: Elena Savoia

Amount awarded: \$494,932

The goal of this project is to accelerate the successful translation of research conducted by the Preparedness and Emergency Response Research Centers (PERRCs) into practice, through systematically compiling and summarizing the knowledge which has resulted from research conducted by PERRC program awardees over the six-year project period, as well as from other reported public health systems-relevant research in the topic areas addressed by the PERRC.

**December 2015 – August 2016**

**Title: Evidence for Emergency Risk Communication**

Sponsor: World Health Organization

P.I.: Elena Savoia

Amount Awarded: \$163,412

The goal of this project is to carry out evidence syntheses of research on effectively communicating risk during a health emergency. The purpose of the syntheses is to provide knowledge about building national level capacity to integrate effective risk communication practices and structures into healthcare and response for public health emergencies.

**January 2016 – August 2017**

**Translation, Dissemination and Implementation of Evidence-Based Public Health Preparedness Tools and Trainings**

Sponsor: Centers for Disease Control and Prevention (CDC), subcontract from the Association of Schools & Programs of Public Health (ASPPH)

P.I.: Marcia A. Testa  
Role: Co-PI: Elena Savoia  
Amount awarded: \$1,036,838

The goal of this project is to use the Interactive System Framework (ISF) approach to guide the use and application of knowledge and evidence into practice to improve public health preparedness and response through the adoption of PERLC and PERRC tools and trainings by the public health workforce and agencies.

#### **September 2013 – September 2016**

##### **Project title: Benchmarking the Comparative Effectiveness of Diabetes Treatments Using Patient-Reported Outcomes and Socio-Demographic Factors**

Sponsor: Patient Centered Outcomes Research Institute (PCORI)

P.I.: Marcia A. Testa

Role: Co-Investigator

The goal of this project is to compare the quality of life and treatment satisfaction responses to different therapies, and determine to what extent factors such as age, gender, employment status, education, income, race, language, ethnicity, clinical characteristics, and other conditions impact these responses. And create a web-based application that will allow clinicians to predict how likely a patient will be to respond given their individual characteristics, and allow patients and physicians to benchmark their progress against others with similar characteristics to improve the quality of care.

#### **September 2010 – September 2015**

##### **Project title: Harvard T.H. Chan School of Public Health Preparedness and Emergency Response Learning Center (PERLC)**

Sponsor: Centers for Disease Control and Prevention (CDC)

P.I.: Marcia A. Testa

Role: Deputy Director

The goal of this project is to create distance learning teaching courses in emergency preparedness, workshops, seminars and forum events in emergency preparedness and provide technical assistance in evaluation activities in emergency preparedness.

#### **September 2013 – September 2014**

##### **Project title: Harvard T.H. Chan School of Public Health Preparedness and Emergency Response Research Center (PERRC)**

##### **Supplement to: Linking Assessment and Measurement to Performance in Public Health Emergency Preparedness Systems into Practice**

Sponsor: Centers for Disease Control and Prevention (CDC)

P.I. Vish Viswanath

Role: Co-principal Investigator

The goal of this project is to develop an online tool to provide immediate feed-back to agencies engaged in the use of the exercise preparedness checklist to measure system performance during tabletop and functional exercises, develop a toolkit to create after action reports to learn from critical incidents, and develop an online item bank to create rapid population surveys during public health emergencies to assess information exposure and communications outcomes.



**January 2014 – January 2015****Project title: Risk Communications Evaluation (RICE)**

Sponsor: World Health Organization

Role: Principal Investigator

The goal of the project is to conduct interviews with member states representatives and experts in risk communications evaluation, develop a framework for evaluating the impact of risk communications activities during large scale emergencies, and develop and implement workshops to train member states representatives and WHO staff in evaluation methods applied to emergency risk communications.

**September 2009 – September 2013****Project title: Linking Assessment and Measurement to Performance in Public Health Emergency Preparedness Systems**

**Sponsor: Centers for Disease Control and Prevention (CDC)**

P.I. Vish Viswanath

Role: New research investigator (2009-2010) and Co-investigator (2010-2013)

The goal of the project is to develop criteria and metrics to measure public health system preparedness. Develop methods and measures to assess communication inequalities during large scale emergencies. Develop methods and measures for system improvement for public health system preparedness. Develop methods and measures to assess public health system's performance during tabletop and functional exercises.

**2012 – 2013****Project title: Barriers to the Administration of DHHS Preparedness Funds**

**Sponsor: National Association of County and City Health Officials (NACCHO)**

Role: Principal Investigator

The goal of the project is to conduct interviews with local and state public health officials to identify barriers to the administration of emergency preparedness funds, and develop policy recommendations to overcome such barriers.

**2010 – 2010****Project title: Public Health System Response of the Bristol Coalition to H1N1**

**Sponsor: Massachusetts Association of Health Boards**

Role: Principal Investigator

The goal of the project is to conduct interviews to develop an after-action report following DHHS guidance on the Bristol Coalition response to H1N1 – identified lessons learned and action/improvement plans.

**2009 – 2010****Project title: H1N1 After Action Report for the State of Massachusetts**

**Sponsor: Massachusetts Department of Public Health (MDPH) Response to H1N1**

Role: Lead Evaluator

The goal of the project is to conduct interviews to develop an after-action report following DHHS guidance on the MDPH response to H1N1 – identified lessons learned and action/improvement plans.

**October 2015 – September 2021**

**Project title: Evaluation of the Greater Boston Countering Violent Extremism (CVE) Pilot Program**

**Sponsor: Homeland Security**

P.I.: Elena Savoia

Amount awarded: \$1,134,869

The goal of this project is to assess CVE programs in the US and abroad and engage project stakeholders in determining what metrics can be used to monitor progress in countering violent extremism overtime.

**October 2018 – April 2021**

**Project title: Evaluation Support for CVE at the Local Level**

**Sponsor: North Atlantic Treaty Organization (NATO)**

P.I.: Elena Savoia

Amount awarded: 380,000 Euro (\$464,000)

The goal of this project is to provide capacity building in evaluation methods for CVE implementers, host and deliver international workshops on CVE evaluation.

**January 2019 – December 2021**

**Project title: Operation250: The Development and Evaluation of a Primary Prevention Campaign focused on Online Safety**

**Sponsor: U.S. National Institute of Justice**

P.I: Neil Shortland, University of Massachusetts, Lowell, MA

Role: Co-investigator

Amount awarded: \$188,240

The goal of this project is to evaluate the impact of OP250, a training activity for youth, designed to make them aware of dangerous situations that can occur online and reduce risky online behaviors.

**TEACHING AND TRAINING:**

**TEACHING IN EXECUTIVE AND CONTINUING EDUCATION COURSES**

- 2005-2018 Practice of Quantitative Methods – Marcia A. Testa, Teaching Fellow
- 2005-present MPH Practicum – Marcia A. Testa, Mentor for Practicum Projects
- 2005 HPM 514, Developing Questionnaires for Measuring the Outcomes of Health Care –Marcia A. Testa , Teaching Fellow

- 2015 September 28-30 – Applied Risk Communication, Executive Education Program, Harvard T.H. Chan School of Public Health, Instructor
- 2006-2018 HPM 530, Measuring and Analyzing the Outcomes of Health Care –Marcia A. Testa, Teaching Fellow
- 2007 Measurement, Design, and Analysis Methods for Health Outcomes Research, Harvard T.H. Chan School of Public Health, Guest-Lecturer

#### **Guest instructor in international non-Harvard courses**

- 2012-present Monitoring & Evaluation of Public Health Programs, Summer School on Modern Methods in Biostatistics and Epidemiology- Italy, Instructor
- 2011 Decision making and public health leadership – Master in Healthcare Management, University of Bologna, Italy June 2011 Instructor
- 2011 Course for Public Health Departments Directors – Emilia Romagna Region, University of Bologna, Imola June 2011 Instructor
- 2008-2011 Evidence Based Public Health and Practice Based Research, Summer School on Modern Methods in Biostatistics and Epidemiology, Italy, Instructor
- 2007 Outcomes Research, Summer School, University of Bologna, Instructor
- 2006-2007 Outcomes Research, Summer School on Modern Methods in Biostatistics and Epidemiology, Italy, Instructor
- 2005 Use of Questionnaires in Public Health, MS in Epidemiology, University of Bologna, Instructor
- 2001-2003 Statistics, Medical School, University of Bologna, Teaching Assistant
- 2001-2003 Epidemiology, Medical School, University of Bologna, Teaching Assistant

#### **TEACHING IN OTHER COURSES**

- July 2020  
International Virtual workshop on CVE Evaluation – one month series of webinars with representatives from twenty countries (sponsored by the NATO Science for Peace and Security Programme)  
Responsibility: Course Director
- June 2019  
International workshop on CVE Evaluation - 2.5 day with representatives from 9 NATO member and partner countries – hosted in Italy (sponsored by the NATO Science for Peace and Security Programme)  
Responsibility: Course Director

#### **ADVISORY AND SUPERVISORY RESPONSIBILITIES**

HCS – ID 265 Practice of Quantitative Methods

Faculty Member: Marcia A. Testa  
Role: Teaching fellow and student mentor

Mentored the following students for their project requirements:

- Rie Sakai (MPH Quantitative Methods – HCS)
- Sunday Olatunde (MPH Quantitative Methods – HCS)
- Foluso Agboola (MPH Quantitative Methods – HCS)
- Yung-Cheng Su (MPH Quantitative Methods – HCS)
- Emanuel Matechi (MPH Quantitative Methods – HCS)
- Suyog Kamatkar (MPH Quantitative Methods – HCS)
- Jing Wen (Ms in Biostatistics- HCS)
- Ayan Jha (MPH Quantitative Methods – HCS)
- Lyndon James (MPH Quantitative Methods- HCS)

Mentored the following students during internships sponsored by the Division of Public Health Practice (2006-2010) and by the Division of Policy Translation and Leadership Development (2010-present) HCS:

- AngieMae Rodday (Ms - Biostatistics - HCS) 2007-2009
- Leesa Lin (MPH - Global Health and Population - HCS) 2009-2011
- Junying Zhao (MPH – Health Policy and Management – HCS) 2009
- Michael Leyden (MPH – Boston University) 2009
- Lisa Sahagian (Ms – HCS) 2007-2009
- Danielle DiVittorio (MPH-George Mason University) 2009
- Shengqun Cang – (Ms Population and International Health) 2009-10
- Elena Richardson (MPH – Boston University) 2010-2011
- Stefano Guicciardi (Visiting doctor from University of Bologna)
- Khalid Sharmarke (University of Massachusetts) 2015-2016
- Saynab Yusuf (University of Massachusetts) 2017-2018
- Nigel Harriman (Cornell University) 2016-2018
- Mariama Tejan (MPH Social & Behavioral Sciences -HCS 2020-2022)
- Julia Healey (MPH H Social & Behavioral Sciences -HCS 2020-2022)
- Evelyn Masterson (MPH Social & Behavioral Sciences – HCS 2020-2022)

2015- HCS PERLC Division of Policy Translation and Leadership Development

- Organized a summer internship program in “Youth Preparedness”: 9 high school interns  
June – August 2015

## **COMMUNITY SERVICE ACTIVITIES:**

June 2020-present Co-chair Brookline School District COVID-19 Public Health and Logistics Task Force

## INVITED PRESENTATIONS

1. Tackling Misinformation. February 10<sup>th</sup> 2021. Event organized by the UK Cabinet of the Prime Minister, Office of Communication.
2. Why a vaccine won't solve our problems: social and legal considerations for the road ahead. AAC&U Presidents' Trust Symposium. A voice & force: conversations for a time of change. January 22, 2021
3. Transatlantic Capacity Building in P/CVE. Washington Institute for Near East Studies. October 9<sup>th</sup> 2020.
1. Developing criteria and metrics to evaluate public health emergency preparedness and response for infectious disease outbreaks: examples from Emergency Risk Communication. ECDC Expert Meeting on Indicators to Measure Public Health Emergency Preparedness. Stockholm. December 5<sup>th</sup> 2019.
2. Measuring prevention efforts at the population level. Learning Session at the United Nations, Towards A Holistic Approach to Conflict Prevention: Preventing and Countering Online, Radicalization and Cyber-Terrorism. IICCT workshop NYC May 2-3 2019
3. CVE and Public Health. Preventing and Countering Radicalization to Violence: NATO Advanced Research Workshop, at the RUSI Institute in London, UK November 6-7 2017
4. Public health approaches to CVE. Round table on Safeguarding democracy and preventing violent extremism. Swedish Embassy and DHS in Washington, DC, on November 13, 2017.

## BIBLIOGRAPHY:

1. **Savoia, E.**, Su, M., Piltch-Loeb, R., Masterson, E., & Testa, M. A. (2021). COVID-19 Vaccine Early Skepticism, Misinformation and Informational Needs among Essential Workers in the USA. *International Journal of Environmental Research and Public Health*. 18(24), 13244. 15 Dec. 2021. <https://doi.org/10.3390/ijerph182413244>
2. Maietti E, Greco M, Reno C, Rallo F, Trerè D, **Savoia E**, Fantini MP, Scheier LM, Gori D. Assessing the Role of Trust in Information Sources, Adoption of Preventive Practices, Volunteering and Degree of Training on Biological Risk Prevention, on Perceived Risk of Infection and Usage of Personal Protective Equipment Among Italian Medical Students During the SARS-CoV-2 Pandemic. *Front Public Health*. 2021 Oct 28;9:746387. doi: 10.3389/fpubh.2021.746387. PMID: 34778180; PMCID: PMC8581255.
3. Piltch-Loeb, R., Harriman, N.W., Healey, J., Bonetti, M., Toffolutti, V., Testa, M.A., Su, M. and **Savoia, E.**, 2021. COVID-19 Vaccine Concerns about Safety, Effectiveness, and Policies in the United States, Canada, Sweden, and Italy among Unvaccinated Individuals. *Vaccines*, 9(10), p.1138.
4. Hughes B, Miller-Idriss C, Piltch-Loeb R, Goldberg B, White K, Criezis M, **Savoia E**. Development of a Codebook of Online Anti-Vaccination Rhetoric to Manage COVID-19 Vaccine Misinformation. *Int J Environ Res Public Health*. 2021 Jul 15;18(14):7556. doi: 10.3390/ijerph18147556. PMID: 34300005; PMCID: PMC8304769.
5. **Savoia E**, Piltch-Loeb R, Goldberg B, Miller-Idriss C, Hughes B, Montrond A, Kayyem J, Testa MA. Predictors of COVID-19 Vaccine Hesitancy: Socio-Demographics, Co-Morbidity, and Past Experience of Racial Discrimination. *Vaccines*. 2021 Jul 9;9(7):767. doi: 10.3390/vaccines9070767. PMID: 34358184; PMCID: PMC8310049.

6. Piltch-Loeb R, **Savoia E**, Goldberg B, Hughes B, Verhey T, Kayyem J, et al. (2021) Examining the effect of information channel on COVID-19 vaccine acceptance. *PLoS ONE* 16(5): e0251095. <https://doi.org/10.1371/journal.pone.0251095>
7. **Savoia E**, Harriman NW, Su M, Cote T, Shortland N. Adolescents' Exposure to Online Risks: Gender Disparities and Vulnerabilities Related to Online Behaviors. *Int J Environ Res Public Health*. 2021 May 27;18(11):5786. doi: 10.3390/ijerph18115786. PMID: 34072253; PMCID: PMC8199225.
8. Reno C., Maietti E., Fantini MP, **Savoia E**, Manzoli L, Montalti M, Gori D. Enhancing COVID-19 vaccines acceptance: results from a survey on vaccine hesitancy in Northern Italy. In press by *Vaccines*. 2021 Apr 13;9(4):378. doi: 10.3390/vaccines9040378. PMID: 33924534; PMCID: PMC8070202
9. Piltch-Loeb R, Bernard D, Quiñones Vallejo B, Harriman N, **Savoia E**. Engaging Community Leaders in Sharing Local Knowledge for Emergency Preparedness to Leverage Communication and Trusted Assets for Vulnerable Populations. *Disaster Med Public Health Prep*. 2021 May 21:1-7. doi: 10.1017/dmp.2021.103. Epub ahead of print. PMID: 34016210.
10. Piltch-Loeb, R., McBride, M.K., Ekström, A., Hadji-Janev, M., Nielsen, R., Legault, R., Harriman, N.W. and **Savoia, E.**, 2021. The Use of a Scenario-Based Nominal Group Technique to Assess P/CVE Programs: Development and Pilot Testing of a Toolkit. *Journal for Deradicalization*, (28), pp.108-140.
11. Harriman N, Shortland N, Su M, Cote T, Testa MA, **Savoia E**. Youth Exposure to Hate in the Online Space: An Exploratory Analysis. *Int J Environ Res Public Health*. 2020 Nov; 17(22): 8531. *International Journal of Environmental Research and Public Health*. Published online 2020 Nov 17. doi: 10.3390/ijerph17228531 PMCID: PMC7698507
12. **Savoia E.**, Argenti G., Gori D., Neri E., Piltch-Loeb R., Fantini MP Factors Associated with Access and Use of PPE during COVID-19: A Cross-sectional Study of Italian Physicians. *PLOS One* 2020. Available at: <https://doi.org/10.1371/journal.pone.0239024>
13. Fantini MP, Reno C, Biserni GB, **Savoia E**, Lanari M. COVID-19 and the re-opening of schools: a policy maker's dilemma. *Ital J Pediatr*. 2020 Jun 9;46(1):79. doi: 10.1186/s13052-020-00844-1. PMID: 32517815; PMCID: PMC7280677.
14. **Savoia E.**, McBride M, Stern J, Su M, Harriman N, Aziz A., and Legault R. Assessing the Impact of the Boston CVE Pilot Program: A Developmental Evaluation Approach. *Homeland Security Affairs* 16, Article 6 (April 2020). Available at: [www.hsaj.org/articles/16166](http://www.hsaj.org/articles/16166)
15. **Savoia E**, Su M, Harriman N, Testa MA. Evaluation of a School Campaign to Reduce Hatred. *Journal for Deradicalization*. Winter 2019/2020(21); 43-83. ISSN: 2363-9849
16. **Savoia E**, Guicciardi S, Bernard DP, Harriman N, Leinhos M, Testa M. Preparedness Emergency Response Research Centers (PERRCs): Addressing Public Health Preparedness Knowledge Gaps Using a Public Health Systems Perspective. *Am J Public Health*. 2018 Nov;108 (S5):S363-S365. doi: 10.2105/AJPH.2018.304812.
17. Jha A, Lin L, Short SM, Argenti G, Gamhewage G, **Savoia E**. Integrating emergency risk communication (ERC) into the public health system response: Systematic review of literature to aid formulation of the 2017 WHO Guideline for ERC policy and practice. *PLoS One*. 2018 Oct 31;13(10):e0205555. doi: 10.1371/journal.pone.0205555.

18. Testa MA, **Savoia E**, Su M, Biddinger PD. Social Media Learning Collaborative for Public Health Preparedness. *Am J Public Health*. 2018 Nov;108(S5):S375-S377. doi: 10.2105/AJPH.2018.304610. Epub 2018 Sep 27.
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20. Bernard D, Konate S, **Savoia E**. Snow Storms and Vulnerable Populations: Local Public Health Activities in Response to the 2014-2015 Severe Winter Weather. *Disaster Med Public Health Prep*. 2018 Sep 7:1-3. doi: 10.1017/dmp.2018.81.
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## PREPRINTS

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2. S. Fucaloro, V. Yacoubian, R. Piltch-Loeb, N. Harriman, T. Burmaz, M. Hadji-Janev, **E. Savoia**. Essential Workers' COVID-19 Vaccine Hesitancy, Misinformation and Informational Needs in the Republic of North Macedonia  
medRxiv 2021.12.22.21268045; doi:<https://doi.org/10.1101/2021.12.22.21268045> [*Under Review by Vaccines*]

## REPORTS

1. Review and Evidence Mapping of Scholarly Publications within the CDC's 15 Public Health Emergency Preparedness and Response Capabilities. Testa MA., **Savoia E.**, Piltch-Loeb R. Biddinger PD., Su M., Hayes JF., Saldivar-Salazar S., Bhambere S., Fukuda R., Hill A., Onyeaka H., Chewcharat A. February 2020. Created for the National Academies of Science.
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11. ASPH/CDC National Emergency Preparedness Collaboration Group, Evidence Based Gaps in Training Activities in Emergency Preparedness, 2007, Report.
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**OTHER PUBLICATIONS** (Chapters in books, editorials, conference proceedings, learning sessions, workshops)

5. **Savoia E.** *Developmental Evaluation for P/CVE*. The data revolution in terrorism research. 13<sup>th</sup> Annual International Conference Society for Terrorism Research. Oslo, June 20-12 2019.
6. **Savoia E.** *Building effective communication strategies for vulnerable populations through community engagement*. Advancing & Redefining Communities (ARC) for Emergency Management, National Healthcare Coalition Preparedness Conference. San Diego, CA November 28, 2017 oral presentation
7. **Savoia E.**, Bernard D, Harriman N; Thomas TN, Leinhos M.; Wolkin AF.; Mac Kenzie AL.; Thomas E. *Participatory Mapping to Identify and Support at-Risk Populations in Emergency Preparedness*. Advancing & Redefining Communities (ARC) for Emergency Management, National Healthcare Coalition Preparedness Conference. San Diego, CA November 28, 2017
8. **Savoia E.**, Konate S. *Evaluation of the Greater Boston Countering Violent Extremism (CVE) Pilot Program*. American Society of Criminology Annual conference in Philadelphia on November 15th 2017
9. Wen J., Lin L., **Savoia E.** *West Virginia in the aftermath of the January 2014 Chemical Spill: Social Determinants on Health Communication Behaviors*. 10<sup>th</sup> NACCHO Preparedness Summit. April 14-17 Atlanta, GA.
10. **Savoia E.** *Ensuring workforce readiness in responding to global health threats: Examples of Governmental public health and academia working together*. 10<sup>th</sup> NACCHO Preparedness Summit. April 14-17 Atlanta, GA. Town Hall invited presentation.
11. Bernard D, Stoto M, **Savoia E.** *Using root cause analysis in a peer assessment format to learn from experiences with public health emergencies*. 10<sup>th</sup> NACCHO Preparedness Summit. April 14-17 Atlanta, GA. [ 1.5 hour learning session ]
12. **Savoia E.**, Gupta R, Wright N, Stoto MA. *West Virginia water crisis -- A look back: Moving forward to building an evidence-based water security program for public health*.

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13. **Savoia E.** *Public health emergency preparedness*. 47<sup>th</sup> Meeting of the Italian Society of Hygiene (S.it.i) Riccione, Italy October 2014 – invited presentation
  14. Book chapter in “The Public Health Response to 2009 H1N1: A Systems Perspective” Michael A. Stoto and Melissa A. Higdon, Editors. Oxford University Press. 2015 Chapter 9: *The Italian Response to the 2009 H1N1 Pandemic*. Elena **Savoia**, Pierluigi Macini, and Maria Pia Fantini and Chapter 11: *Public Communication during 2009 H1N1 Pandemic*. Elena Savoia, Leesa Lin, and K. Viswanath
  15. Agboola F., **Savoia E.**, Bernard D., Biddinger P. *Feasibility Testing of an Online Tool to Facilitate Exercise Performance Evaluation*. 142<sup>nd</sup> APHA Annual Meeting and Exposition –Nov 15-19 2014 New Orleans, LA.
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  17. Jha A., Lin L., Bernard D., **Savoia E.** *Evolution of Social Media Channels and Ties-in to Promote Preparedness*. NACCHO Preparedness Summit. April 1-4 2014. Atlanta, GA.
  18. Massin-Short S., **Savoia E.**, Testa M.A. *A Cross-walk from Training Needs, Competency Levels and Capabilities*. NACCHO Preparedness Summit, 2012 Anaheim, CA.
  19. Preston J., **Savoia E.**, Bidinger PD. *A Consensus Process to Improve the Use of After Action Reports*. NACCHO Preparedness Summit, 2012 Anaheim, CA.
  20. **Savoia E.**, Macini P., Fantini MP. *Comparing the H1N1 Crises and Responses in the US and Italy*. NACCHO Preparedness Summit, 2012 Anaheim, CA.
  21. **Savoia E.**, Testa M.A., Viswanath K. *Predictors of Knowledge of H1N1 Infection and Transmission in the U.S. Population*. American Public Health Association Annual Meeting, Washington D.C. November 2011.
  22. Lin L., **Savoia E.**, Viswanath K. *Communicating to the Public during Large Scale Emergencies: A Review of the Literature*. American Public Health Association Annual Meeting, Washington D.C. November 2011.
  23. **Savoia E.**, Agboola F., Preston J., Biddinger PD. *Lessons Learned from the Content Analysis of a Series of After Action Reports on H1N1*. NACCHO Preparedness Summit, 2011 Atlanta, GA.
  24. Leyden M, **Savoia E**, Stoto, Biddinger P. *Identifying Common Barriers to Successful Preparedness Exercises at the Local Level*. NACCHO Preparedness Summit, 2011 Atlanta, GA.
  25. Higdon M.A., **Savoia E.**, Massin-Short S.B., Stoto M.A. *Changing attitude and barriers to volunteering amongst Medical Reserve Corps (MRC) volunteers as a result of the H1N1 outbreak of 2009-10*. AcademyHealth Public Health Systems Research Interest Group Meeting, Boston, June 2010.
  26. Higdon M.A, **Savoia E.**, Massin-Short S.B., Stoto M.A., *Using a toolkit to assess performance of Medical Reserve Corps (MRC) units*. APHA Annual Meeting, Denver, November 2010.
  27. Lin L, Agboola F, Olantunde S, Kamatkar S, **Savoia E.** *Public Health System Response to Earthquakes in the Developing World*. AcademyHealth’s Annual Research Meeting, Boston, MA, June 2010

28. Agboola F, Olatunde S, Kamatkar S, **Savoia E.** *Review of the Public Health Response to the Haiti Earthquake.* UCLA Conference on Public Health and Disasters, Torrance, CA, May 2010.
29. Lin L, **Savoia E.** *Lessons learned: Emergency Response to Wenchuan Earthquake.* Unite For Sight 7th Annual Global Health & Innovation Conference. Yale University, New Haven, CT, April 2010.
30. **Savoia E,** Zhao J, Lin L. *Measures of Public Health Emergency Preparedness Capacities: A Systematic Review of the Literature.* National Association of City and County Health Officials Public Health Preparedness Summit, Atlanta, GA, February 2010.
31. Leyden M, **Savoia E,** Biddinger P. *Using Exercises to Measure Improvements in Hospital Emergency Preparedness Over Time.* National Association of County and City Health Officials Public Health Preparedness Summit, Atlanta, GA, February 2010.
32. **Savoia, E.,** Stoto, M.A. *To have or not to have a board of health.* American Public Health Association Annual Meeting, Philadelphia, PA, November 2009.
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39. Fabbri, G., Fantini, M.P., **Savoia, E.** *Patients in a Persistent Vegetative State: developing a conceptual framework to assess the quality of life of their caregivers.* *International Society for Quality of Life Research meeting abstracts.* Available at: [www.isoqol.org/2007mtgabstracts](http://www.isoqol.org/2007mtgabstracts). The Quality of Life Research Journal, Abstract #1434.
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45. **Savoia, E.**, Belletti, M., Binetti, N., Dallolio, L., Melandri, G., Scaramuzzino, G., Taglioni, M., Tietz, C., Fantini, M.P. *The development, dissemination, implementation and evaluation of a critical pathway for myocardial infarction: the experience of a large European teaching hospital.* International Conference on Evidence Based Healthcare. Taormina Italy November 2005. Abstract #62.
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48. **Savoia, E.** *Clinical Governance.* AGGEI Congress. Florence Italy 2003.
49. Fantini, M.P., Taglioni, M., **Savoia, E.**, Bosso, M., Cacciari, P. *Risk-adjusted models specific by gender in the assessment of outcomes for inpatients with acute myocardial infarction.* 27th Meeting of the Italian Association of Epidemiology. Bologna Italy 2003.
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51. Beltrami, P., **Savoia, E.**, Belletti, M., Bosso, M., Collina, N., Dallolio, L., Pandolfi, P., Perlangeli, V., Pesci, P., Raggi, F., Tarlazzi, P., Fantini, M.P. *Health-related quality of life: new instruments for health needs assessments purposes. The experience of the healthcare organizations Bologna Sud and Bologna Nord.* 40<sup>th</sup> National Congress of the Italian Society of Hygiene. Cernobbio (Como) Italy 2002. Abstract book p.117.
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54. Fantini, M.P., **Savoia, E.**, Campagna, C., Cisbani, L., Perrone, A., Manzoli, L., Negro, A. *Strategies to implement clinical guidelines. Types of interventions and proof of efficacy.* 38<sup>th</sup> Congress of the Italian Society of Hygiene. Ferrara Italy 2000.
55. Fantini, M.P., **Savoia, E.**, Manzoli, L., Cisbani, L., Perrone, A., Campagna, C. *Day surgery. The experience of the Emilia Romagna Region.* 39<sup>th</sup> Congress of the Italian Society of Hygiene. Ferrara Italy 2000.
56. Fantini, M.P., Stivanello, E., Dallolio, L., Frammartino, B., Ciotti, E., **Savoia, E.** *National health report of the population health status and quality of care. Infant, neonatal and post-neonatal mortality.* Osservasalute 2005:187-206. Available at [www.osservasalute.it](http://www.osservasalute.it)
57. Fantini, M.P., **Savoia, E.** *National Health Report of the population health status and quality of care. Proportion of c-section rates.* Osservasalute 2004:211-215. Available at [www.osservasalute.it](http://www.osservasalute.it)

## DEVELOPMENT OF GUIDELINES

1. Regional Organizational Guidelines for Day-Surgery Interventions, Agency for Healthcare and Research, Bologna 2000 - Developer
2. Clinical guidelines for the management of patients with myocardial infarction, S. Orsola Hospital, Bologna 2003 – Main developer
3. Clinical guidelines for adults with diabetes, Joslin Diabetes Center, Boston 2007 – External reviewer (evidence grading expert)
4. Pharmacological guidelines for patients with diabetes, Joslin Diabetes Center, Boston 2007- External reviewer (evidence grading expert)
5. Inpatient management of surgical patients with diabetes, Joslin Diabetes Center, Boston 2007 - External reviewer (evidence grading expert)
6. Clinical nutrition guideline for overweight/obese adults with type 2 diabetes, Joslin Diabetes Center, Boston 2007 - External reviewer (evidence grading expert)
7. WHO Guidance for Emergency Risk Communication: Available at: <http://www.who.int/risk-communication/guidance/about/en/> (evidence grading expert)

## THESIS

1999 Development of clinical guidelines for the management of patients in day surgery. Medical School, University of Bologna, Italy

2003 Measuring quality of life in the general population. Validation of the EQ5D. Residency Program in Hygiene and Preventive Medicine, Medical School, University of Bologna, Italy