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**NAME: ELENA SAVOIA**  
**ACADEMIC TITLE: SENIOR 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

**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)

*Key activities:*

- 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.
- 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

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

- Co-chair Brookline District, MA Public Health and Logistics Task Force, COVID-19 Reopening of Schools

## **FUNDED GRANTS:**

### **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.

## **ACTIVE GRANTS**

**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**

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.

Role: Co-investigator

PI: Marcia A. Testa

**January 2020 – December 2021**

**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

Amount award: \$87,062

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 2022**

**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

Amount award: \$239,998

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.

**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.

## **PENDING GRANTS**

**April 2021- March 2022**

**Title: Global Collaboration for Measuring Communication Capabilities to Enhance Vaccine Confidence and Counter Misinformation**

Sponsor: London School of Hygiene and Tropical Medicine

Role: Principal Investigator

Project #: 8140098-01

Amount: \$480,000

The goal of this project is to develop metrics to assess public health emergency preparedness capabilities in addressing misinformation during the COVID-19 response.

**Title: Evaluation Support for Terrorism Prevention at the Local Level**

Sponsor: Department of Homeland Security

Role: Principal Investigator

Amount: \$100,000

The goal of the project is to develop metrics and evaluation approaches to evaluate the impact of counter terrorism programs.

## **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. 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.
2. Piltch-Loeb R., Bernard D., Harriman N, Quinones-Vallejo B., **Savoia E**. *Engaging Community Leaders to Identify Community Assets for Emergency Preparedness*. medRxiv 2020.06.16.20129635; doi: <https://doi.org/10.1101/2020.06.16.20129635> - in press by the Journal of Disaster Medicine and Public Health Preparedness
3. 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 PMID: PMC7698507
4. **Savoia E**., Argentini 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>
5. 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; PMID: PMC7280677.
6. **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)
7. **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

8. **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.
9. Jha A, Lin L, Short SM, Argentini 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.
10. 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.
11. **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
12. 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.
13. Piltch-Loeb R, **Savoia E**, Wright N, Gupta R, Stoto MA. *Facilitated Look-Back Analysis of Public Health Emergencies to Enhance Preparedness: A Brief Report of a Chemical Spill in Charleston, West Virginia*. J Public Health Manag Pract. 2018 Mar 19. doi: 10.1097/PHH.0000000000000761.
14. Piltch-Loeb R, Kraemer J, Nelson C, **Savoia E**, Osborn DR, Stoto MA. *Root-Cause Analysis for Enhancing Public Health Emergency Preparedness: A Brief Report of a Salmonella Outbreak in the Alamosa, Colorado, Water Supply*. J Public Health Manag Pract. 2018 Mar 7. doi: 10.1097/PHH.0000000000000763.
15. Stoto MA, **Savoia E**, Nelson C, Piltch-Loeb R, Guicciardi S, Takacs J, Varela Santos C, Ciotti M. *Development of a Public Health Emergency Preparedness Competency Model for European Union Member States*. Euro Surveill. 2018 Dec;23(49). doi: 10.2807/1560-7917.ES.2018.23.48.1700631.
16. Burmaz T, Selle V, Baldo V, **Savoia E**. *Organization or Community-based Outbreak? Responding to cases of Meningitis under Epidemiologic Uncertainty*. In press by Disaster Medicine and Public Health Preparedness. Disaster Med Public Health Prep. 2018 May 2:1-4. doi: 10.1017/dmp.2018.18.
17. Stoto MA, Nelson C, **Savoia E**, Ljungqvist I, Ciotti M. *A Public Health Preparedness Logic Model: Assessing Preparedness for Cross-border Threats in the European Region*. Health Secur. 2017 Sep/Oct;15(5):473-482. doi: 10.1089/hs.2016.0126.
18. Nour M, Alhajri M, Farag EABA, Al-Romaihi HE, Al-Thani M, Al-Marri S, **Savoia E**. *How Do the First Days Count? A Case Study of Qatar Experience in Emergency Risk Communication during the MERS-CoV Outbreak*. Int J Environ Res Public Health. 2017 Dec 19;14(12). pii: E1597. doi: 10.3390/ijerph14121597.
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20. **Savoia E**, Lin L, Bernard D, Klein N, James LP, Guicciardi S. *Public Health System Research in Public Health Emergency Preparedness in the United States (2009-2015)*:

- Actionable Knowledge Base*. Am J Public Health. 2017 Sep;107 (S2):e1-e6. doi: 10.2105/AJPH.2017.304051.
21. **Savoia E**, Lin L, Gamhewage GM. *A Conceptual Framework for the Evaluation of Emergency Risk Communications*. Am J Public Health. 2017 Sep;107 (S2):S208-S214. doi: 10.2105/AJPH.2017.304040. Review.
  22. **Savoia E.**, Lin L., Viswanath K. *Sources of information during the 2014 West Virginia Water Crisis: a cross sectional survey*. Disaster Medicine and Public Health Preparedness, 2016 Sep 9:1-11.
  23. **Savoia E.**, Lin L., Klein N., Montrond A. *Engaging the Diaspora in Response to the 2014 Fogo Volcano Eruption in Cape Verde*. Disaster Medicine and Public Health Preparedness. 2016 Jan 19:1-2.
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  25. Jha A, Lin L, **Savoia E**. *The Use of Social Media by State Health Departments in the US: Analyzing Health Communication Through Facebook*. J Community Health. 2015 29;41(1):174-9.
  26. **Savoia E**, Stoto MA, Gupta R, Wright N and Viswanath K. *Public response to the 2014 chemical spill in West Virginia: knowledge, opinions and behaviours*. BMC Public Health 2015, 15:790
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**OTHER PUBLICATIONS** (Chapters in books, editorials, conference proceedings, learning sessions, workshops)

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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

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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 ]
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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
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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.
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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.
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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.
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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