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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: 2016-2021	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

MAJOR ADMINISTRATIVE RESPONSIBILITIES:

2023- present Co-Director [Emergency Preparedness, Research Evaluation Practice Program \(EPREP\)](#) in the Division of Policy Translation and Leadership Development, Director, Community Safety Evaluation Lab, Harvard T.H. Chan School of Public Health, Boston, MA,

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, and Cambridge University. A research group dedicated to understanding infodemics and promoting healthy information ecosystems.
- Founder and Director - [Community Safety Evaluation Lab \(CSE-Lab\)](#) – a multidisciplinary team of researchers focused on the evaluation of community-based programs engaged in countering violent extremism and supporting victims of human trafficking.

2015- 2023 Deputy Director [Emergency Preparedness, Research Evaluation & Practice Program \(EPREP\)](#) in the Division of Policy Translation and Leadership Development, Harvard T.H. Chan School of Public Health, Boston, MA

Key activities:

- 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

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.

COMMITTEES AND ADVISORY ROLE SERVICES:

2023-present SMIDGE – Social Media Narrative Addressing Extremism in Middle Age – Horizon project
Role: Advisor

2023 National Academies of Sciences Engineering and Medicine (NASEM) - The Public Health Infodemic and Trust in Public Health as A National Security Threat
Role: Committee Member

2022-present Permanent Task Force for the Coordination of Risk Communication during Emergencies, Ministry of Health, Italy
Role: Task Force Member

2020-2021 Brookline School District, MA Public Health and Logistics Task Force for the Reopening of Schools
Role: Co-chair

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

2010 Academy Health Public Health System Research Award Committee
Role: Reviewer

2007 National Association of County and City Health Officials (NACHHO) Advance Practice Center Projects
Role: Reviewer

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

GRANT REVIEW ACTIVITIES:

2013 Department of Health Human Services (DHHS)
Panel/Scientific Review Group Hurricane Sandy's Effect on Neighborhood Built Environments
Role: Reviewer

2011 Department of Health Human Services (DHHS)
Special Emphasis Panel/Scientific Review Group 2011/05 ZES1 LWJ-J (Deepwater Horizon)
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

FUNDED GRANTS:

ACTIVE GRANTS

February 2022- July 2024

Project Title: Reducing Populations' Vulnerabilities to Misinformation Related to Scientific Content

Amount: € 350,000

Sponsor: North Atlantic Treaty Organization Science for Peace and Security Programme

Role: Principal Investigator

The goal of this project is to build capacity in NATO member and partner countries in identifying and addressing misinformation related to scientific content.

January 2021- December 2023

Project Title: Evaluability assessment and development of psychological and behavioral health approaches to prevent terrorism and facilitate reintegration of violent extremists.

Amount: \$981,026

Sponsor: National Institute of Justice

Role: Principal Investigator

The goal of this project is to understand the use of psychological and behavioral health approaches for individuals released from jail with a history of engagement in violent extremism.

September 2022- August 2023

Project Title: Meta-analysis of COVID-19 Vaccine Hesitancy Behavioral & Social Science Research

Amount: \$124,427

Sponsor: Pfizer

Role: Principal Investigator

The goal of this project is to synthesize the evidence on the determinants of vaccine hesitancy and interventions for reducing vaccine hesitancy in Black residents in the United States.

July 2021-March 2024

**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

The goal of this project is to study governments' capabilities in addressing misinformation.

January 2021-July 2024

Project Title: Blue Campaign Program Evaluation and Violence Prevention

Amount: \$1,600,000

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: Principal Investigator

The goal of this project is to study the effectiveness of public awareness campaigns in the United States focused on human trafficking.

February 2021-June 2023

Project Title: SAVE Project

Sponsor: Department of Justice

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.

COMPLETED GRANTS

January 2020 – 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 2022

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 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 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.

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.

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.

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

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

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.

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

INVITED PRESENTATIONS

1. 6th Seminar on Strategic Communication Shared understanding and campaign work among European strategic communicators March 9th-10th 2023. London, United Kingdom
2. G7 Vaccine Summit. June 2nd 2021. Event organized by the UK Cabinet of the Prime Minister, Office of Communication.
3. Tackling Misinformation. February 10th, 2021. Event organized by the UK Cabinet of the Prime Minister, Office of Communication.
4. 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
5. Transatlantic Capacity Building in P/CVE. Washington Institute for Near East Studies. October 9th, 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 5th 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:

Peer-reviewed publications

1. Leider J., Castrucci BC., Robins M., Hare Bork R., Fraser MR., **Savoia E.**, Piltch-Loeb R., Koh KH. The Exodus of State And Local Public Health Employees: Separations Started Before and Continued Throughout COVID-19. 2023. *Health Affairs* vol.42 no.3
2. McBride M, Hughes D, Carroll M, Mellea J, **Savoia E.** Evaluation of Extremist Reintegration Programming: A Literature Review. *Journal For Deradicalization*. Fall 2022. No.32.
3. Stern J., McBride MK., Baker A., Carroll M., **Savoia E.** Practices and Needs in Reintegration Programs for Violent Extremist Offenders in the United States: The Probation Officer Perspective. 2023 *Studies in Conflict and Terrorism*. <https://doi.org/10.1080/1057610X.2022.2163460>
4. Wei Y, Harriman NW, Piltch-Loeb R, Testa MA, **Savoia E.** Exploring the Association between Negative Emotions and COVID-19 Vaccine Acceptance: A Cross-Sectional Analysis of Unvaccinated Adults in Sweden. *Vaccines* (Basel). 2022 Oct 11;10(10):1695. doi: 10.3390/vaccines10101695. PMID: 36298560; PMCID: PMC9608178.
5. Fucaloro SP, Yacoubian VS, Piltch-Loeb R, Harriman NW, Burmaz T, Hadji-Janev M, **Savoia E.** Essential Workers' COVID-19 Vaccine Hesitancy, Misinformation, and Informational Needs in the Republic of North Macedonia. *Vaccines* (Basel). 2022 Feb 23;10(3):348. doi: 10.3390/vaccines10030348. PMID: 35334980; PMCID: PMC8950427.
6. **Savoia E.** Harriman NW, Piltch-Loeb R, Bonetti M, Toffolutti V, Testa MA. Exploring the Association between Misinformation Endorsement, Opinions on the Government Response, Risk Perception, and COVID-19 Vaccine Hesitancy in the US, Canada, and Italy. *Vaccines* (Basel). 2022 Apr 23;10(5):671. doi: 10.3390/vaccines10050671. PMID: 35632427; PMCID: PMC9147457.
7. Denu MKI, Montrond A, Piltch-Loeb R, Bonetti M, Toffolutti V, Testa MA, **Savoia E.** Freedom of Choice to Vaccinate and COVID-19 Vaccine Hesitancy in Italy. *Vaccines* (Basel). 2022 Nov 21;10(11):1973. doi: 10.3390/vaccines10111973. PMID: 36423068; PMCID: PMC9693986.
8. **Savoia E.** Su M, Piltch-Loeb R, Masterson E, Testa MA. COVID-19 Vaccine Early Skepticism, Misinformation and Informational Needs among Essential Workers in the USA. *Int J Environ Res Public Health*. 2021 Dec 15;18(24):13244. doi: 10.3390/ijerph182413244. PMID: 34948853; PMCID: PMC8707450.
9. Piltch-Loeb R, Su M, Hughes B, Testa M, Goldberg B, Braddock K, Miller-Idriss C, Maturo V, **Savoia E.** Testing the Efficacy of Attitudinal Inoculation Videos to Enhance

- COVID-19 Vaccine Acceptance: Quasi-Experimental Intervention Trial. *JMIR Public Health Surveill.* 2022 Jun 20;8(6):e34615. doi: 10.2196/34615. PMID: 35483050; PMCID: PMC9217150.
10. 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.
 11. 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.
 12. 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.
 13. **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.
 14. 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>
 15. **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.
 16. 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
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