

Looking Over the Wall—The Future of Prevention Science and Prevention

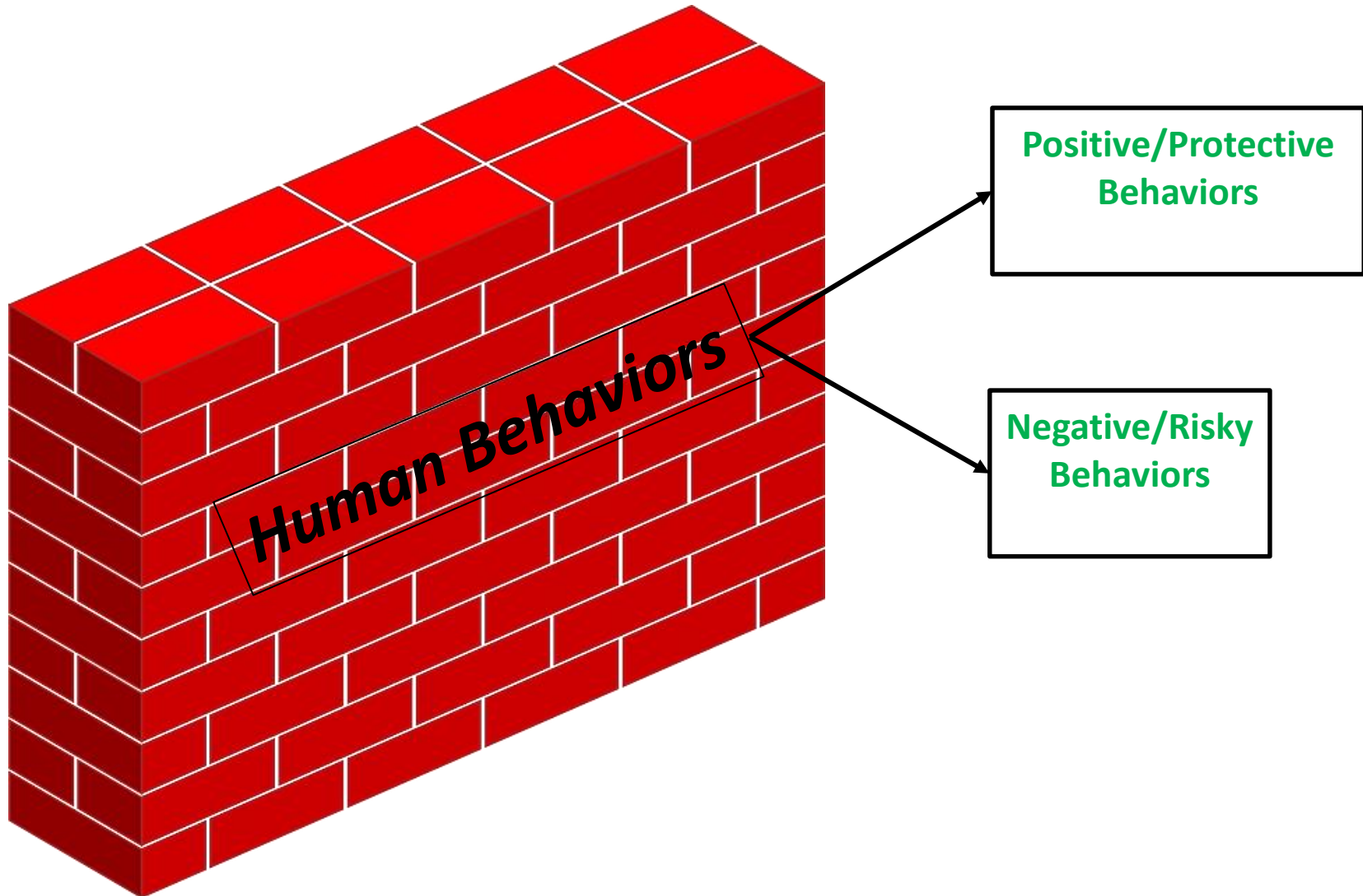
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Defining Prevention Science

- Prevention science identifies:
 - the determinants of behaviors that protect or put at risk the social, emotional, and physical health of individuals, families, communities;
 - the processes as to how these determinants operate; and,
 - the strategies that effectively intervene when trajectories are negative and reinforce those trajectories that are positive.

Sources: Standards of Knowledge for the Science of Prevention, Society for Prevention Research, 2011; APSI, 2019; National Prevention Science Coalition, 2019.

The Wall-The Target



Looking Over the Wall



- Basic Sciences
- Epidemiology
 - Psychology
 - Sociology
 - Neuroscience
 - Mathematics
 - Genetics
 - Economics
 - Biology
 - Chemistry
 - ETC.

- Applied Sciences
- Social Work
 - Clinical Psychology
 - Biostatistics
 - Public Health
 - Medicine
 - Health Education
 - ETC.

Research

Practice





PREVENTION
SCIENCE

Research

Practice

Is multi-disciplinary
including the
epidemiological, social,
psychological,
behavioral, medical,
statistical, and
neurobiological sciences

Requires a
**TRANSDISCIPLINARY
TEAM**

Prevention Science in Infancy



- U.S. Society for Prevention Research--1991
- Science of Prevention first noted in a journal article—Coie et al., American Psychologist, 1993
- Standards of Knowledge for the Science of Prevention-U.S. Society for Prevention Research—2011
- EU Society for Prevention Research—2010
- New Groups in Australia, Brazil, Others?--2000→

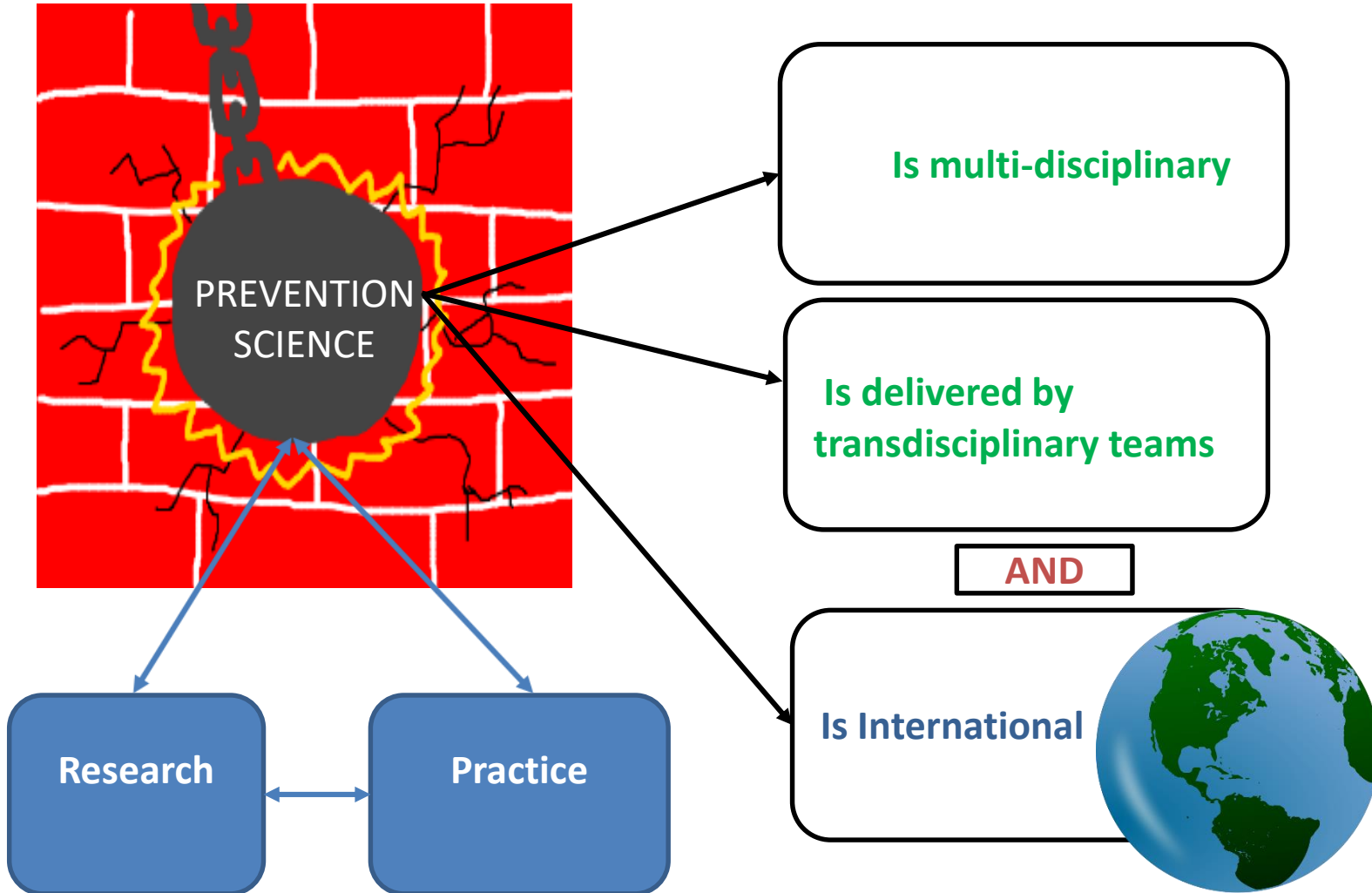
Prevention Science Growing Up





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To Achieve “Adulthood” as a Field Prevention Science Must Be Accepted Internationally



Next Steps

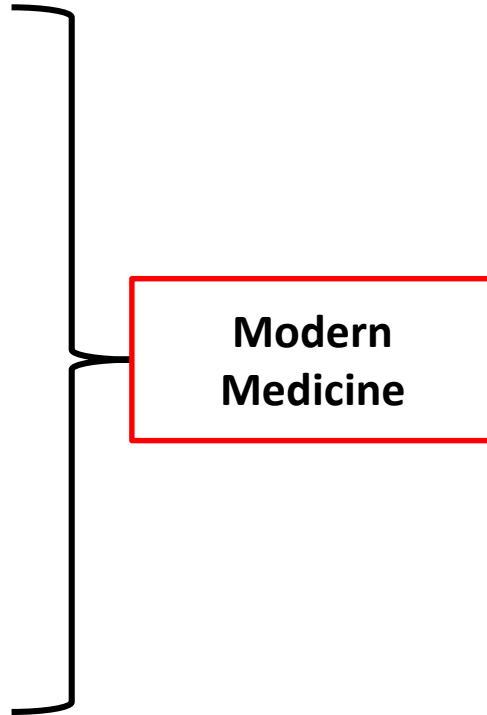


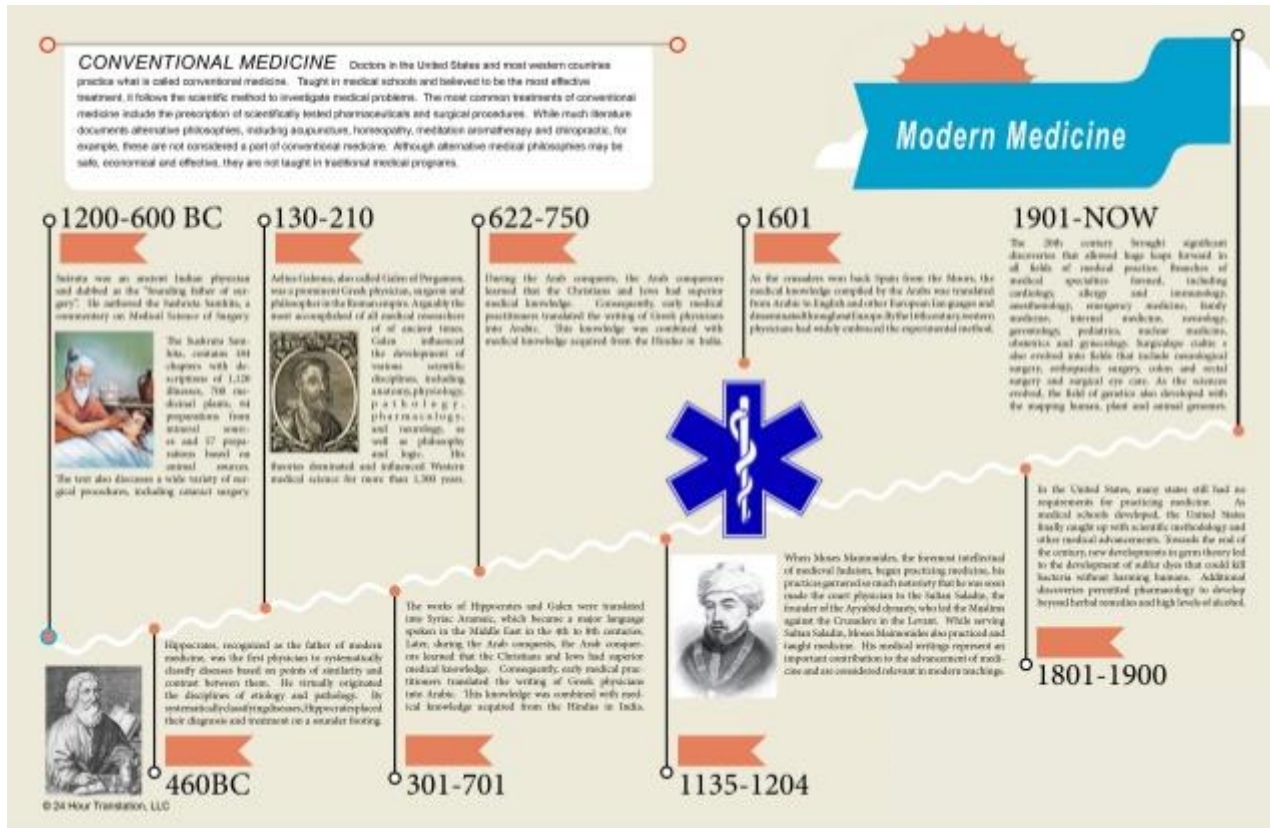
The Establishment of the Field of Medicine

- Systematic body of theory;
- Authority to define problems and their treatment;
- Community sanctions to admit and train its members;
- Ethical codes that stress an ideal of service to others;
- A culture that includes the institutions necessary to carry out all of its functions.

History of Medicine as a Framework

- Anatomy
- Biochemistry
- Biomechanics
- Biophysics
- Biostatistics
- Cytology
- Endocrinology
- Epidemiology
- ETC....





From 460 BC till the 19th and 20th Centuries (over 2000 years)

Modern Medicine

- 19th century and explosion of science
- 20th century reliable prescription drugs
 - separation from church and the medical field
 - penicillin used to curb sickness
 - modern surgery was coming of age
 - medical curricula and medical schools established
 - modern medicine became an international profession

CAN WE SPEED UP THE PROCESS?

Substance Use Prevention—A Start

- ✓ Systematic body of theory
 - AND with the knowledge, skills, and competencies
 - European Drug Prevention Quality Standards
 - Universal Prevention Curriculum
- Authority to define problems and their treatment
- Community sanctions to admit and train its members-not systematic
- ✓ Ethical codes that stress an ideal of service to others
 - Prevention Think Tank (IC&RC)
 - European Drug Prevention Quality Standards
- ! A culture that includes the institutions necessary to carry out all of its functions
 - International Consortium of Universities for Drug Demand Reduction

Who are the Workers on the Ground?

- Those who self-identify as prevention professionals
 - Diverse educational levels and focus
 - Diverse prevention experiences
- Those who do not self-identify as prevention professionals but are doing prevention-related work
 - Direct service professionals-social workers, psychologists, teachers, family workers, health workers, law enforcement officers, etc.

Reaching Out and Being Inclusive--Formation of an International Workgroup

- The Societies for Prevention Research-U.S. and EU and Others
- Other related organizations-Public Health Associations, societies on related fields such as sociology, social work, psychology, criminology, violence, sexually transmitted diseases, suicide,

Next Steps-Discussion





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Thank you!!
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