

Reflections On The Evolution Of Drug Abuse Prevention Research

Mary Ann Pentz, Ph.D.
Department of Preventive Medicine
Keck School of Medicine
University of Southern California

Selected Reflections

- **Comprehensiveness of Prevention**
- **Type 1 to Type 2 translations and back again**
- **Translational prevention research across health behaviors: from drug use to obesity**

Comprehensiveness Of Prevention

- Limited effects of school based studies
- Integration of P x S x E influences in theories of behavior change
- Addressing P x S x E influences in multi-component community programs

Person

Prior drug use
Intention to use
Prior skills
Prior appraisal
Prior social support seeking
Physiological reaction

Situation

Peer influences
Prior skills practice w/peers
Family influences
Social support
Transitions
Exposure to drugs

Environment

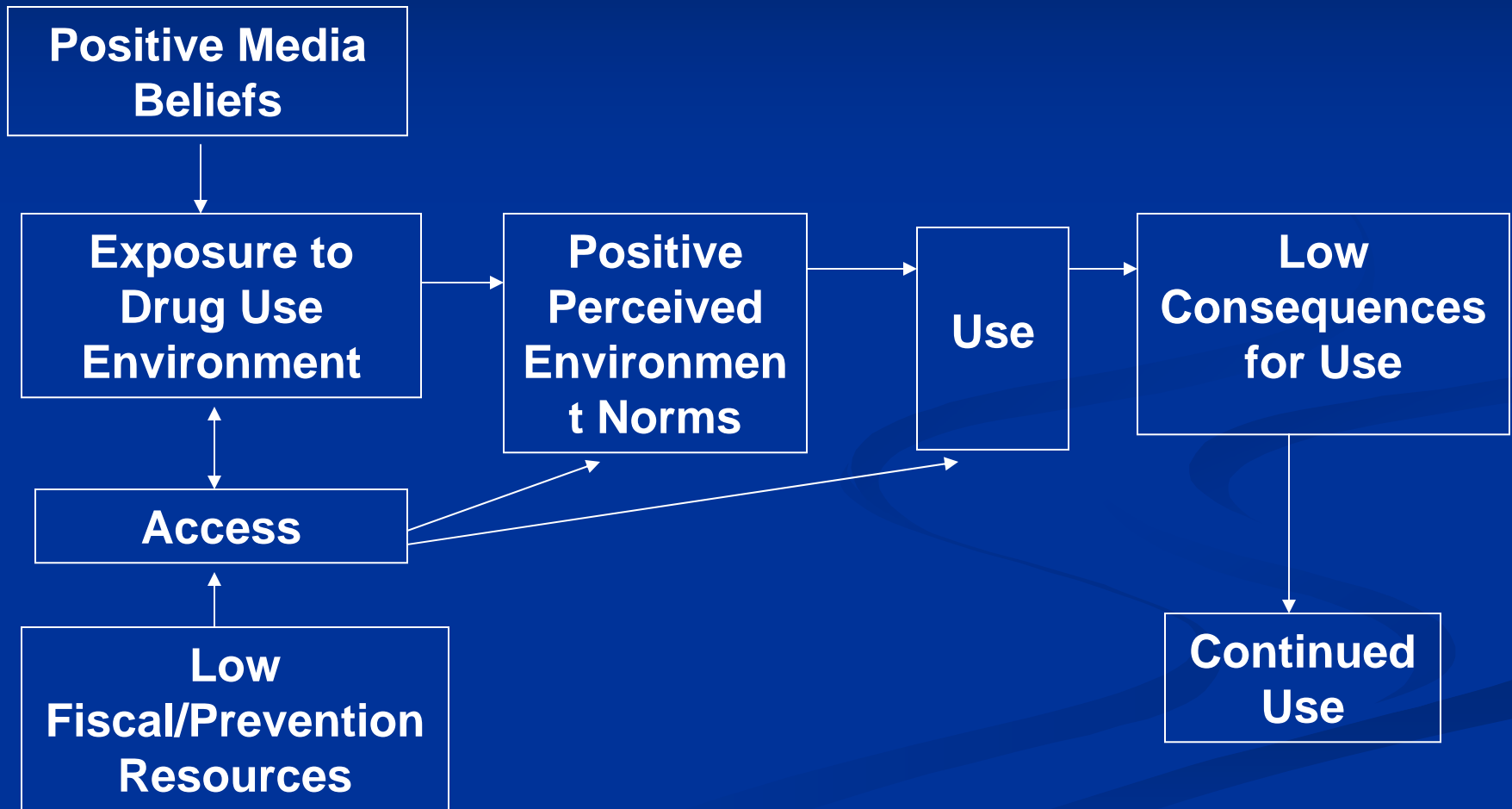
Media influences
Availability of prevention resources
Prevailing community norms
Demographic factors
Fiscal resources
School/community policy

Change in Drug Use

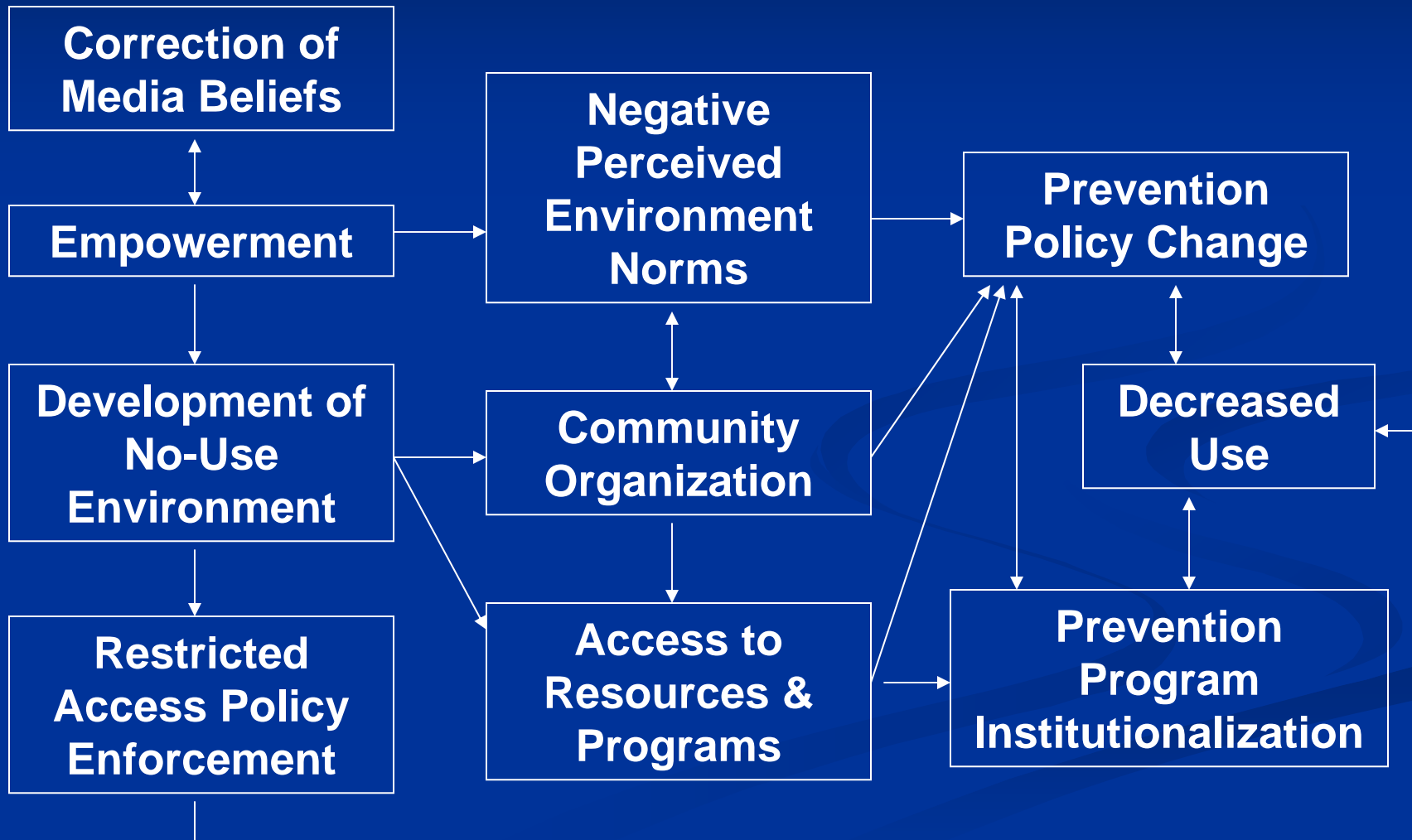
Abstracted from:

Pentz, M.A. (1998). Preventing Drug Abuse through the Community: Multicomponent Programs Make the Difference. NIDA Research Mono 73-86, Pub NO 98-4293. Available at: <http://www.drugabuse.gov/>. Search Pentz + title.

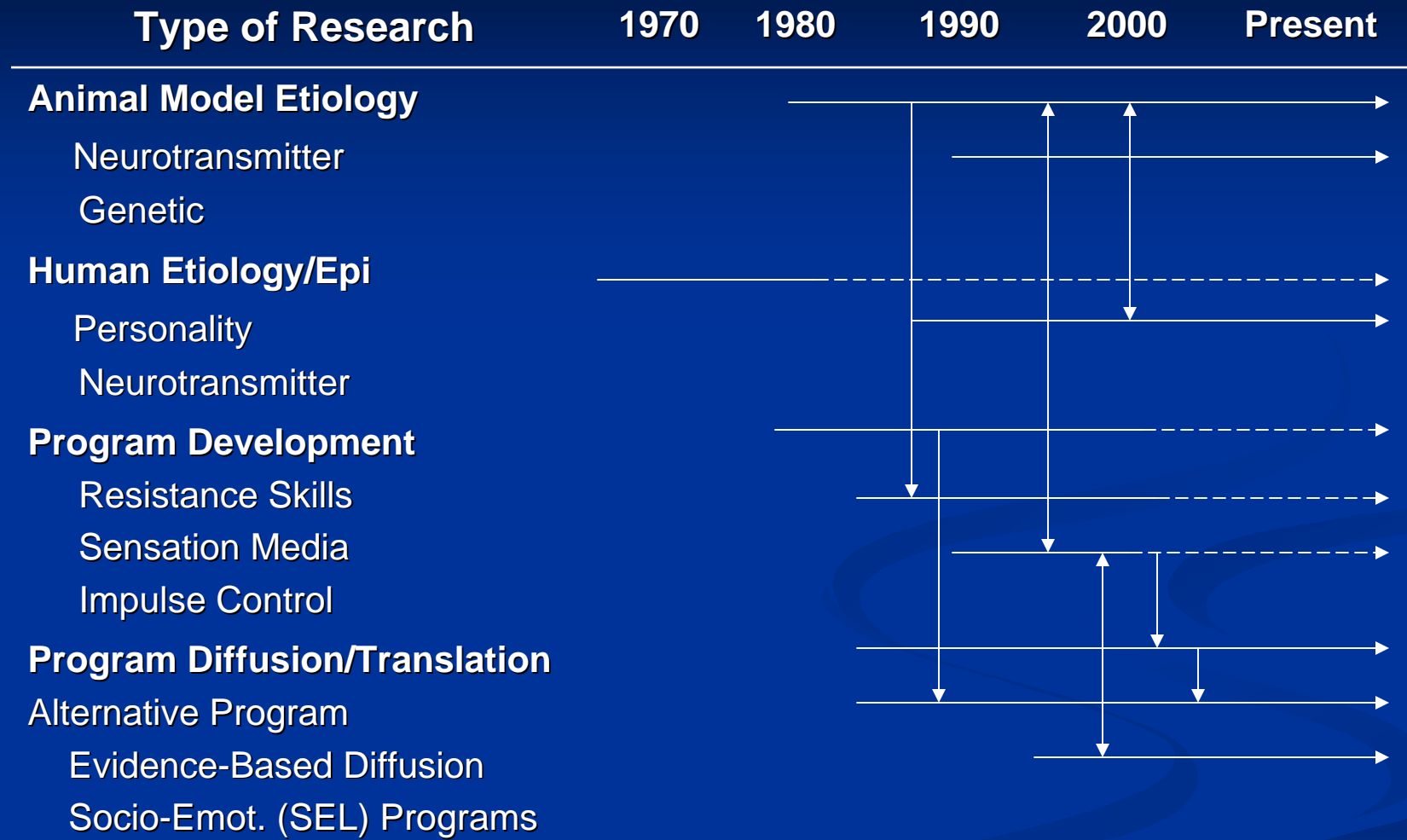
E Level Risk



E Level Prevention



Simplified Model of Type 1 to Type 2 Translation



Note: Horizontal arrow indicates research emphasis; line indicates continued research; vertical arrow indicates translation across research phases

Abstracted from: Pentz, M.A., Jasuja, G.K., Rohrbach, L.A., Sussman, S. & Bardo, M.T. (2006). Translation in Tobacco and Drug Abuse Prevention. *Evaluation and the Health Professions* 29(2):246-271.

From Effectiveness To Diffusion Research

- Adoption
- Implementation
- Sustainability
- Outward Dissemination

Translation: From Drug Abuse To Obesity Prevention

- At point of common risk factors and developmental risk periods
- Adapting from common mediators
- Future focus on comprehensive health promotion?

The Future: Drug abuse prevention in the context of comprehensive health promotion

-- *What will it take?*

- Bundling of school and community resources
- Flexible community coalitions
- Achievement orientation of community leaders, parents, teachers, youth, “Be the best you can be.”

The Future: The Science of Ecostasis -- *What will it take?*

- Ecostasis = the balance of the organism with multiple levels of environment
- A focus on the endocannabinoid system and “appetitive behaviors”
- An increased emphasis on the role of stress, arousal, and re-instatement of balance
- Integration of cognition, emotion (affect) and behavior