

Non-Medical Use of Prescription Drugs Risk/Protective Factors & Availability of Evidence Based Practices or Policies

Domain	Risk/Protective Factor & Strength of Association	Intervention Component/ Focus	EBP Existe nce?	Level of Evidence for EBP?	Notes & Source
Community	Availability/Retail Access	Prescription Monitoring Programs	Yes	Evidence of Direct Effectiveness	Paulozzi, Weisler, etal., 2011; Baehren et al., 2010; PMP Center of Excellence at Brandeis University 2011
		Changing prescriber practices through education	Yes	Theoretical Support, Insufficient Evidence	**as a part of a bigger strategy. Manchikanti, 2007; Twombly & Holtz, 2008; Cochella & Bateman, 2011
		Reduce Access to PD via Internet	Yes	Limited Theoretical Support	**exchange mostly through social networks. McCabe, Cranford, Boyd, & Teter, 2007
	Community norms favorable towards use	Use of Mass Media to Change Community Norms	Yes	Evidence of Direct Effectiveness and theoretical support	**should not be used in isolation; high levels of frequency and reach required. Johnson, Porucznik, Anderson, & Rolfs, 2011

Community	Norms favorable towards use Neighborhood quality,	Use of community Coalitions; Community Mobilization Altering the physical	Yes	Theoretical Support, Insufficient Evidence	**difficult to link to direct contribution. Albert et al., 2011; Ogilvie et al., 2008. **Since much access is social, public space
	disorganization, community attachment, mobility	environment/public space interventions		Support	interventions may not impact. Birkmayer, Fisher, Holder, & Yacoubian, 2008
lo	Academic Failure/Low Educational Achievement	Academic Skills enhancement (tutoring, vocational training, etc)	Yes	Theoretical Support, Insufficient Evidence	**No studies in the past 5 years
School	Low School Attachment/Bonding	Enhance connection and bonding to school	NA	Theoretical Support, Insufficient Evidence	**No studies in the past 5 years
	Social Access	Restrict Availability in home through education	Yes	Theoretical Support, Insufficient Evidence	**includes parent inventory of high-risk products in the home. Gruenewald, Johnson, Shamblen, Ogilvie & Collins, 2009; Johnson et al, 2007
Family	Poor Parental/Monitoring/Low Parental Involvement	Improved Parental Monitoring	Yes	Evidence of Direct Effectiveness	**study limited to adolescent females only. Schinke, Fang & Cole, 2008
	Parental Disapproval of Substance Use	Parent training aimed at clear communication of disapproval, family management.	Yes	Evidence of Direct Effectiveness	Spoth, Trudeau, Shin & Redmond, 2008; Schinke et al, 2008

	Normative misperceptions of peer use	Social Norms Campaign	Yes	Evidence of Direct Effectiveness	**study limited to adolescent females only. Twombly & Holtz, 2008; Schinke, 2008
Peer	Peer Norms: Peer Approval of Use	Peer leadership, social and personal competence skills	Yes	Theoretical Support, Insufficient Evidence	**inconsistent evidence. Fang, Schinke, & Cole, 2010; Schinke, Fang, & Cole, 2009; Spoth et al., 2008
	Number of Friends Who Use ❖❖	Peer leadership, social and personal competence skills	Yes	Theoretical Support, Insufficient Evidence	See Peer Norms
Individual	Perception of Harm 🏵 🌣 🗘	Strategies designed to increase perceived risk/harm for NMUPD	Yes	Evidence of Direct Effectiveness	**effects may disappear over time. Gruenewald et al., 2009; Osborne & Ross, 2006
	Alcohol/ illicit drug use or dependence	Personal competence skills	NA	Theoretical Support, Insufficient Evidence	See Peer Norms
	Delinquent/Antisocial Behavior	Mentoring, After-School Activities, Youth Development Programs	Yes	Theoretical Support, Insufficient Evidence	**unable to determine direct correlation between risk factor and intervention component. Harrell, Cavanagh, Sridharan, 1998
	Personality Characteristics/Sensation Seeking	Personal competence skills	NA	Theoretical Support, Insufficient Evidence	See Peer Norms

Individual	Early Onset of Use	Personal competence skills	NA	Theoretical Support, Insufficient Evidence	See Peer Norms
	Mental Health Diagnosis 👀	Personal competence skills	NA	Theoretical Support, Insufficient Evidence	See Peer Norms
	Chronic Pain (non-cancer)	Improve clinical prescribing practices.	NA	Theoretical Support, Insufficient Evidence	See Retail Availability, Interventions aimed at physicians. Chou, et al, 2009; Paulozzi, Weisler & Patkar, 2011; Passik, Kirsh, & Casper, 2008.

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Legend: ••• Strong association between Risk/Protective Factor & NMUPD; •• - Strong association between Risk/Protective Factor

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