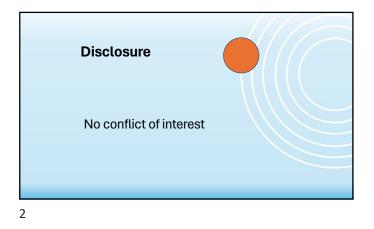
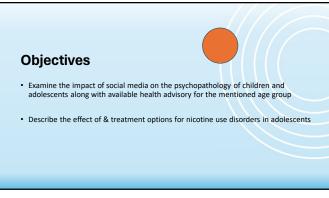
Child and Adolescent Psychiatry: Some selected updates

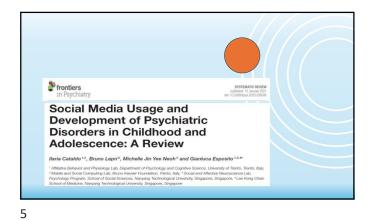
Use of Social Media & Tobacco and Nicotine Use

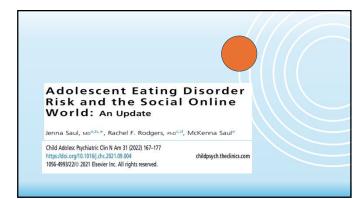
Mohammed Molla, MD, DFAPA UCLA-Kern Psychiatry Training Program



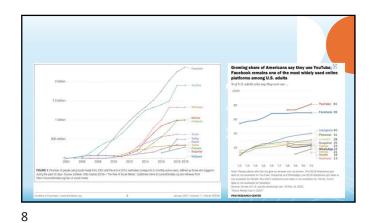


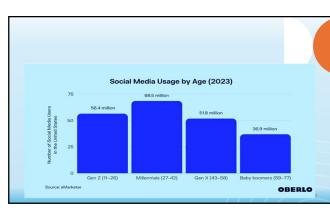




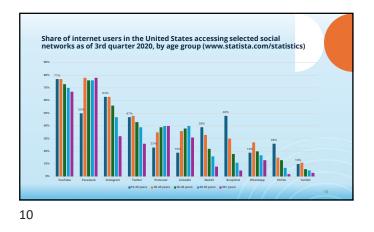






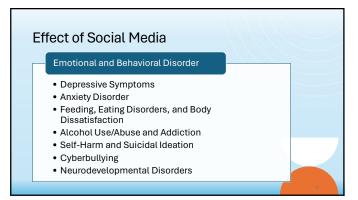








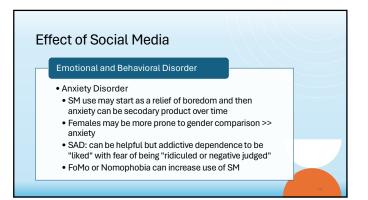




Effect of Social Media

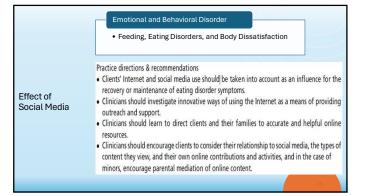
Emotional and Behavioral Disorder

- Depressive Symptoms
- ++ SM use
 <u>predictive</u> of depressive symptoms
- Reduce sense of belonging >>loneliness>>depression
- Depression + sleep problem may indicate ++ SM
- involvement
- Addictive attitude with a SM was positively correlated
- with derpession
- Social comparison can negatively or positively impact self-appraisal
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	Emotional and Behavioral Disorder
	Feeding, Eating Disorders, and Body Dissatisfaction
	Internet and Social Media Characteristics Relevant to Eating Disorders
Effect of Social Media	Internet and Social Media Characteristics Relevant to Eating Disorders • Highly visual: Little text, mostly images, with some of the most-popular applications being entirely photo-based. • Carefully selected, curated, and editing self-presentations that emulate mainstream appearance ideals and values. • Burring of the distinction between commercially generated and user-generated content with intentions to increase social capital. • Machine learning: Content tailored to each user based on previous online activity and interest. Capacity to become an increasing appearance and diet-saturated environment. • Interactive medium that combines media influences and peer feedback. • Capacity to bring together individuals with marginal interests and facilitate the normalization behaviors such as ED symptoms. • Lack of moderation and supervision. • Strong presence of commercial interests including the diet, beauty, and fitness industries.

	Feeding, Eating Disorders, and Body Dissatisfaction
	Social Media and Internet Use: Key findings and Practice Directions
Effect of Social Media	 Key Findings Greater Internet and social media use, particularly photo-based activities and applications, have been shown to be associated with eating disorder behaviors and risk factors. Individuals who are most invested in their online self-presentation, and younger adolescents, may be most vulnerable. Peer feedback and social comparison are emerging as important mechanisms accounting for these relationships. Proeating disorder websites advocate for eating disorders as a lifestyle rather than a disorder. More common "thinspiration" content also conveys harmful content promoting food rules and weight loss that are associated with eating disorders. Exposure to proeating disorder websites has been shown to be detrimental and increase eating disorder symptoms. Prorecevy content is more rare.

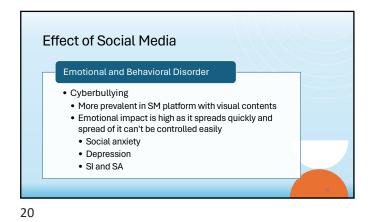


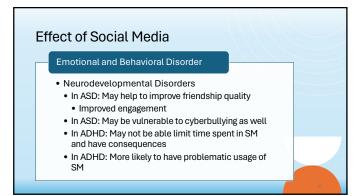


Effect of Social Media

Emotional and Behavioral Disorder

- Self-Harm and Suicidal Ideation
- SM can influence self-injury tendencies by fostering conduct, contagion or competitions
- Photos of self-injury practices may act as a reinforcer when posted
- Posting may have protective contribution in early recognition of an intention





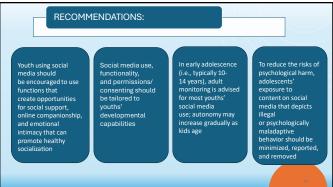
Gene-By-Environmental contribution to understand behavior on SM

- Some evidences and some twin-study based evidences indicating correlation
- Oxytocin receptor polymorphism and with a history of perceived high maternal overprotection tend to show a high desirability index on a SM

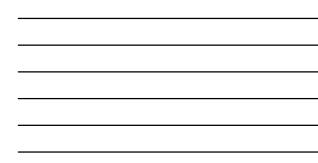
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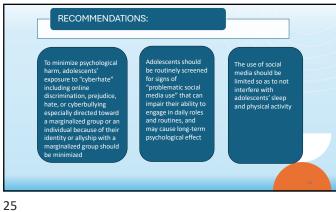
SM usage and neural mechanism

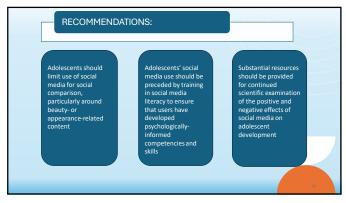
- fMRI: SM engagement linked to activity in vSTR
- More recruitment of vSTR in relation to popular shared pics vs less endorsed ones
- Daily smartphone checking & heavy SM usage linked to increase volume of gray matter volume in striatal area
- Addictive impulsive SM usage linked to reduced gray matter vol in ACC
 Decreased vol in right OFC with excessive use of SM
- fMRI: Medial PFC is associated with online & offline
- rejection and elicit neural response to "Social Pain" area (dorsal ACC, subungual ACC & anterior insula

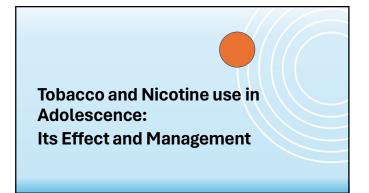


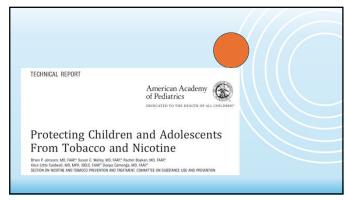






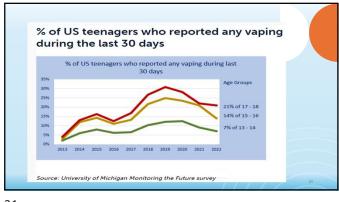




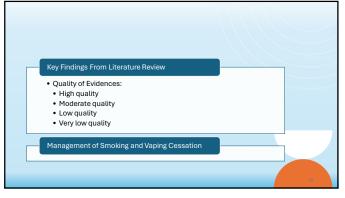


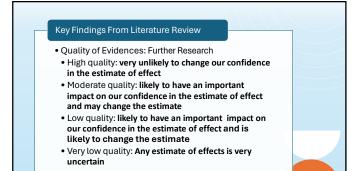








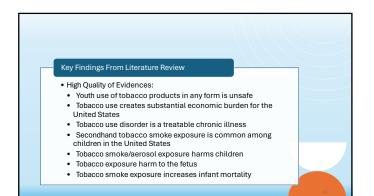


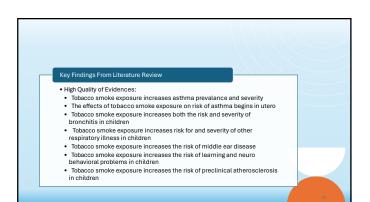


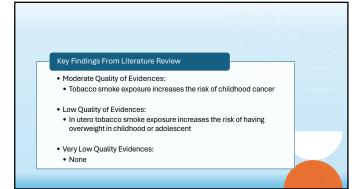
Key Findings From Literature Review • High Quality of Evidences (21): Tobacco product use is common among youth Tobacco use disproportionately affects youth from communities that have historically experienced high level of discrimination and stigma A set the tobacco product landscaped diversifies, multiple tobacco products uses is common in youth

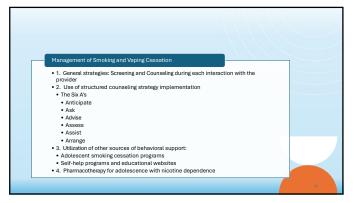
- E-cigarette use among adolescents increase the risk of traditional
- E-cagarete use among addrescents increase the risk of traditional cigarete smoking
 Tobacco use disorder almost always developed before 18 years of age
 Nicotine is a highly addictive drug that can have lasting damaging effects on adolescent's brain development and has been linked to a a variety of adverse health outcomes
- Tobacco use leads to substantial death and disease

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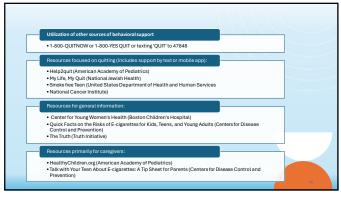






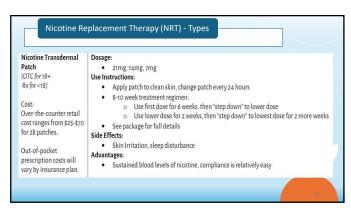














Nicotine Gum	Dosage:
(OTC for 18+	• 4mg. 2mg
Rx for <18)	Use Instructions:
Cost: Over-the-counter retail cost ranges from \$17-\$50 for 100 pieces of gum. Out-of-pocket prescription costs will vary by insurance plan.	* "Chew and park" method: O Place the gum in your mouth and chew until you feel a tingling sensation Stop chewing and "park" the gum between cheek and gums After about a minute, start chewing again, until you feel a tingling sensation Stop chewing and "park the gum again Repeating for about 30 minutes Tz-week treatment regimen: O Chew 1 piece every 1-2 hours for first 6 weeks Chew 1 piece every 1-2 hours for 3 additional weeks Chew 1 piece every 4-4 hours for 3 additional weeks Stee package for full details Side Effects: Jav soreness, mouth irritation, indigestion, nausea, hiccups Advantages: Flexible dosing, rapid delivery of nicotine into blood stream

