



JANUARY 28-30, 2019
LOS ANGELES, CA

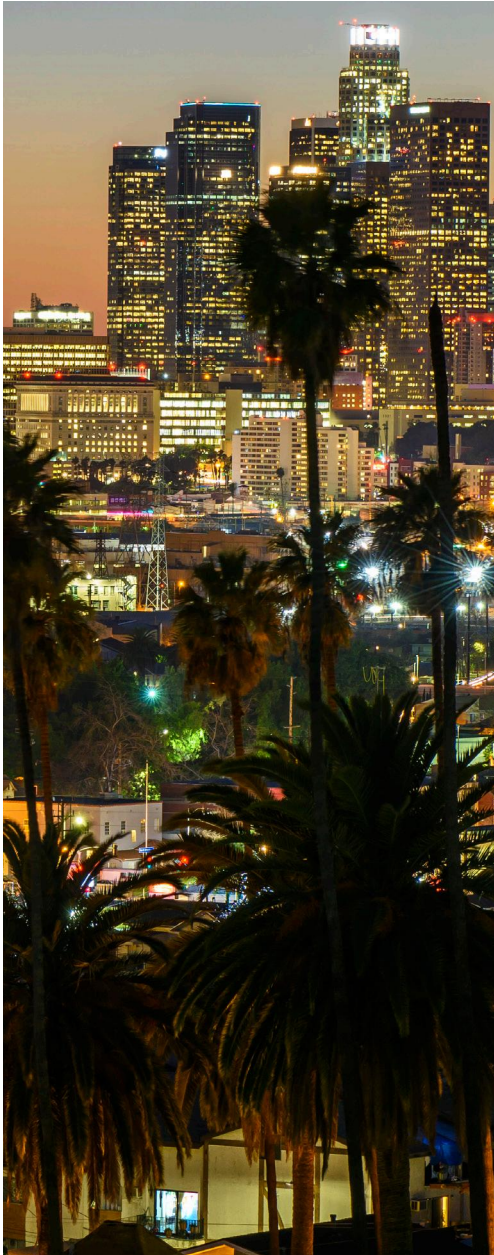
2019 NORTH AMERICAN CANNABIS SUMMIT

PUBLIC HEALTH, SCIENCE,
AND HEALTH EQUITY

WWW.NORTHAMERICANCANNABISSUMMIT.ORG

[#NACANNABISCONVO](https://twitter.com/NACANNABISCONVO)

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ABOUT THE SUMMIT



TOPICS

Public Safety
Prevention and Education
Emerging Research and Epidemiological Data
Governance, Federal Law, and Emerging Policy
Health Effects
Regulatory Issues



The 2019 North American Cannabis Summit is an objective forum to address public health, science, and health equity in this time of expanding cannabis decriminalization, medical use, and legalization of recreational use.

3

**Countries come together to
broaden our discussions**

The 2017 National Cannabis Summit, held in Denver, Colorado, was the first forum convened in the United States for a cross-state discussion of policy, regulatory, and governance issues related to cannabis legalization. Building on this event, the 2019 North American Cannabis Summit aims to continue the conversation around science, policy, and best practices in relation to the emerging legal cannabis marketplace. We are excited to hold the 2019 Summit in California, a state at the forefront of cannabis decriminalization and legalization.

150+

**Speakers discuss pressing
cannabis-related topics**

The 2019 North American Cannabis Summit broadens our discussions to encompass the experience of not only U.S. state and local governments, but that of Canada and Mexico, as well. We expanded our scope to include relevant topics in the realm of public health, science, and health equity. Grounded in balanced and objective science-based perspectives, the 2019 Summit does not include an exhibit hall and has no ties to the cannabis industry. Follow the conversation on Twitter at #NACannabisConvo.

TIPS FOR NAVIGATING THE 2019 SUMMIT



WI-FI—The hotel offers free Wi-Fi throughout the conference meeting areas. All rooms offer complimentary high-speed internet.



SOCIAL MEDIA—We will be encouraging conversation on social media during the 2019 Summit. The 2019 Summit team will be live-tweeting during the conference, using the hashtag #NACannabisConvo. Feel free to share your social media handles during your presentation and throughout the 2019 Summit. We invite you to add to the online dialogue to enhance what is happening live at the 2019 Summit.



SESSION HANDOUTS AND POSTERS—Session handouts and speaker presentations are available online at <http://bit.ly/2019SummitHandouts>.

Poster presentations will be available in the San Diego room starting at 9:00 a.m. on Monday, January 28.



FOR YOUR COMFORT—This is a smoke-free facility and conference, but there are designated smoking areas. Your cooperation is appreciated.

Water bottles are available at designated water stations.



GETTING AROUND—Enterprise Rent-A-Car (213-312-0070) is located at the Westin Bonaventure. You also can rent a car nearby at Hertz (213-625-0997). The nearest subway station is the Metro at 7th and Flower Street (0.3 miles south). The nearest train station is Union Station (1.6 miles northeast). Cabs are available at the hotel lobby entrance.



PARKING—Onsite parking at the hotel is \$15 hourly, \$49 daily. (Parking is for vehicles up to 6 feet tall. For oversized vehicles, contact the hotel for parking alternatives.)

PARTNER ORGANIZATIONS



Advocates for Human Potential, Inc.

For over 30 years, Advocates for Human Potential, Inc. (AHP) has focused its people, passion, and expertise on creating practical solutions to improve health and human services systems of care and business operations. Every day, AHP works to develop real-world solutions for systems change through its areas of expertise, which include substance use disorders, mental health, and behavioral health policy. To learn more, visit www.ahpnet.com



California Department of Public Health

With the legalization of commercial cannabis activity in California, California Department of Public Health (CDPH) has four roles: regulating the manufacture of cannabis-containing products, issuing medical marijuana identification cards, preventing secondhand smoke exposure from all smoking products including cannabis, and creating an initial public education campaign. To learn more, visit www.cdph.ca.gov



Canadian Centre on Substance Use and Addiction

The Canadian Centre on Substance Use and Addiction (CCSA) is Canada's only agency with a legislated national mandate to reduce the harms of alcohol and other drugs on Canadians. A trusted counsel, CCSA provides national guidance to decision makers by harnessing the power of research, curating knowledge, and bringing together diverse perspectives. CCSA's strategic core functions include providing national leadership, building strategic partnerships, advancing research, and mobilizing knowledge. To learn more, visit www.ccsa.ca



Tobacco-Related Disease Research Program

The Tobacco-Related Disease Research Program (TRDRP) funds research that enhances understanding of tobacco use, prevention, and cessation; the social, economic, and policy-related aspects of tobacco use; and tobacco-related diseases in California. In 2018, TRDRP expanded its scope to fund research related to the impacts of cannabis use on tobacco-related disease. TRDRP is administered by the Research Grants Program Office at the University of California, Office of the President. TRDRP revenue is used to make grants for California scientists and community researchers to find better ways to prevent and reduce tobacco use and its related diseases. To learn more, visit www.trdrp.org



UCLA Integrated Substance Abuse Programs

UCLA Integrated Substance Abuse Programs (ISAP) conduct research, provide research and clinical training, and arrange treatment for substance use disorders in coordination with the Department of Psychiatry and Biobehavioral Sciences of the David Geffen School of Medicine at the University of California, Los Angeles (UCLA), and in affiliation with community-based treatment providers. ISAP efforts range from clinical trials of innovative behavioral therapies and pharmacotherapies to epidemiological studies. To learn more, visit www.uclaisap.org

SPONSORS

Thank you to our generous sponsors for their support.



Advocates for
Human Potential, Inc.

Advocates for Human Potential, Inc.

AHP is pleased to provide leadership, organizational infrastructure, and financial support to make possible the 2019 North American Cannabis Summit.



COLUMBIA
C A R E

Columbia Care

The partner organizations would like to thank Columbia Cares for support of the opening networking reception at the 2019 North American Cannabis Summit.

CONRAD N.



FOUNDATION

Hilton Foundation

The partner organizations would like to thank the Conrad N. Hilton Foundation for its generous support of the health equity sessions at the 2019 North American Cannabis Summit.

NATIONAL COUNCIL
FOR BEHAVIORAL HEALTH
MENTAL HEALTH FIRST AID

Healthy Minds. Strong Communities.

National Council for Behavioral Health

The partner organizations would like to thank the National Council for Behavioral Health for its communications support of the 2019 North American Cannabis Summit.



Tobacco-Related Disease Research Program (TRDRP)

The North American Cannabis Summit was supported in part by a conference grant from the Tobacco-Related Disease Research Program, Research Grants Program Office of the University of California, Grant No. 27CX-0062.

UCLA Health

Cannabis Research Initiative

UCLA Health

The partner organizations would like to thank the UCLA Health Cannabis Research Initiative for support of the opening networking reception at the 2019 North American Cannabis Summit.

SETTING THE STAGE FOR PRODUCTIVE DIALOGUE



The 2019 North American Cannabis Summit is a public health research conference focused on science, policy, and best practices. The 2019 Summit provides an objective forum for researchers, policymakers, public health professionals, and other stakeholders to share scientific evidence and expertise, with the goal of developing and implementing cannabis policy and practice that will lead to improved public health and health equity outcomes.

The goals of the 2019 Summit are to:

- Create a common understanding of the issues that policymakers, administrators, and other key stakeholders need to consider in response to the growing acceptance of cannabis.
- Describe lessons learned and best practices needed to address these issues at state, local, and organizational levels.

The 2019 Summit creates space for professionals who are grappling with rapidly evolving cannabis use laws at the local, regional, and federal level to join in rational, science-based conversations and information sharing.

At the 2019 North American Cannabis Summit, we value respectful dialogue on key issues and challenges in cannabis research, policy, and regulation. In an effort to support this, conference organizers are asking all attendees to follow these participation standards:

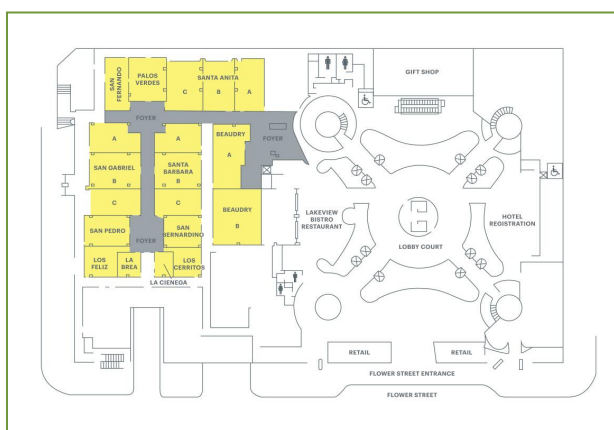
- To maintain transparency, all session participants are asked to briefly state their name, affiliation, and any potential bias or conflict prior to asking speakers or panelists a question.
- Session presentations and additional handouts are available online if the speaker has agreed to post them.
- All speakers have disclosed any conflicts of interest (COI) and will include identification of this in their opening statement.
- The only merchandise permitted for distribution at this event is that provided by sanctioned sponsors.

HOTEL MAPS

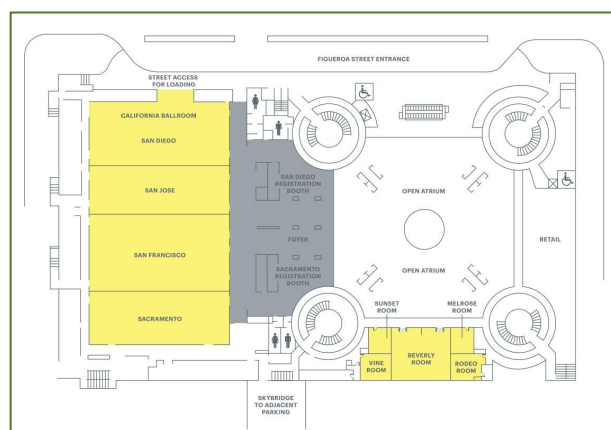
Westin Bonaventure

Hotel & Suites, 404 South Figueroa Street, Los Angeles, CA 90071

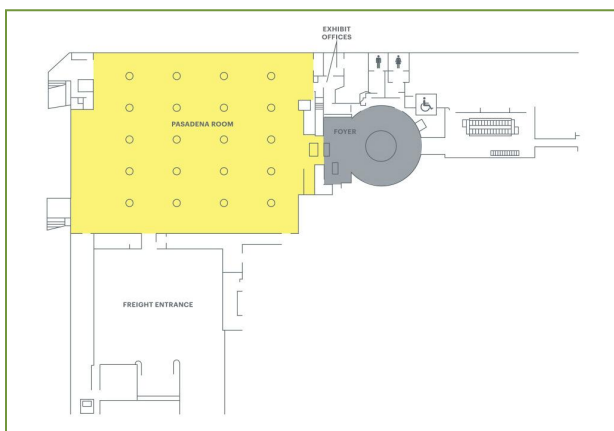
The Westin Bonaventure is located in downtown Los Angeles, at the heart of the city's bustling business district. Near Union Bank and the U.S. Bank towers, the hotel also connects to the World Trade Center via a skyway. Close to the University of Southern California (USC), the Los Angeles Memorial Coliseum, Exposition Park and Shrine Auditorium, the National History Museum, the California African American Museum, and the California Science Center & IMAX theater.



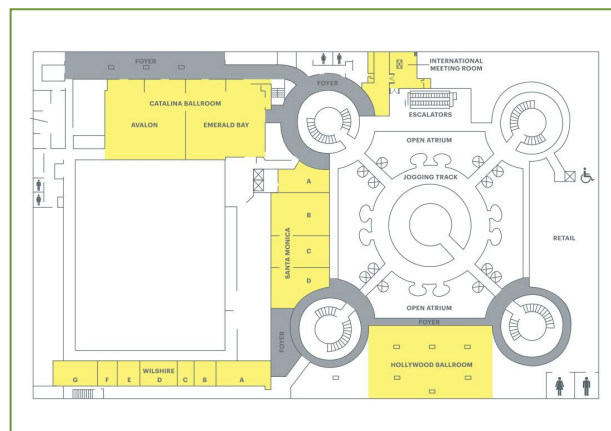
Lobby Level Function Rooms



Level 2 Function Rooms—California Ballroom



One Level Below Lobby—Pasadena Room Exhibition Hall



Level 3 Function Rooms

GENERAL THEMES

Public Health

Science

Health Equity*

SESSION TOPICS & TRACKS

Public Safety

Prevention and Education

Emerging Research and Epidemiological Data

Governance, Federal Law, and Emerging Policy

Health Effects

Regulatory Issues

SESSION TYPES

KEYNOTE SESSIONS: Large sessions that are open to all in attendance and have no competing sessions. These sessions are used to set the tone for the overall conference.

BREAKOUT SESSIONS: Smaller sessions that are offered concurrently throughout the event. Sessions are on a first-come, first-served basis. Attendees should identify multiples sessions to attend during each time frame in case their first choice is at capacity.

LUNCH & LEARNS: Similar to Breakout Sessions but held in a more relaxed setting. Attendees should bring a lunch and will eat while they learn. These provide a great opportunity for networking and discussion.

POSTER PRESENTATIONS: Display of reports and papers, accompanied by the author and/or researcher. These sessions are dedicated to discussion of the poster between the presenter and the interested attendee(s) during specific times. At other times, posters can be viewed by attendees, but the presenter may not be available for discussion.

NETWORKING RECEPTION: A business-casual gathering for attendees to meet and network with other conference participants.

*Sessions related to the theme of *Health Equity* are noted in the schedule below the session title and track.

SCHEDULE-AT-A-GLANCE

MONDAY, JANUARY 28

7:45 AM – 8:45 AM	Continental Breakfast	California Foyer
7:00 AM – 4:00 PM	Registration Open	California Foyer
9:00 AM – 6:00 PM	Poster Presentations Open	San Diego
9:00 AM – 9:30 AM	Welcome and Introductory Remarks Dan Adams, <i>The Boston Globe</i>	California Ballroom
9:30 AM – 10:30 AM	Keynote Session Shaleen Title, Massachusetts Cannabis Control Commission	California Ballroom
10:30 AM – 10:45 AM	Break and Poster Presentations	San Diego
10:45 AM – 12:15 PM	Breakout Sessions	Various
12:15 PM – 12:30 PM	Pick Up Lunch	California Foyer
12:30 PM – 1:30 PM	Lunch & Learn Sessions	Various
1:30 PM – 1:45 PM	Break	California Foyer
1:45 PM – 3:15 PM	Breakout Sessions	Various
3:15 PM – 3:30 PM	Break	California Foyer
3:30 PM – 4:30 PM	Keynote Session Andrew Freedman and Lewis Koski, Freedman and Koski, Inc.	California Ballroom
4:30 PM – 6:00 PM	Networking Reception and Poster Presentations	San Diego

TUESDAY, JANUARY 29

7:45 AM – 8:45 AM	Continental Breakfast	California Foyer
7:00 AM – 4:00 PM	Registration Open	California Foyer
9:00 AM – 11:00 AM	Poster Presentations Open	San Diego
9:00 AM – 10:00 AM	Keynote Session Igor Grant, University of California, San Diego	California Ballroom
10:00 AM – 10:30 AM	Break and Poster Presentations	San Diego
10:30 AM – 12:00 PM	Breakout Sessions	Various
12:00 PM – 12:15 PM	Pick Up Lunch	California Foyer

TUESDAY, JANUARY 29 (CONTINUED)

12:15 PM – 1:15 PM	Lunch & Learn Sessions	Various
1:15 PM – 1:30 PM	Break	California Foyer
1:30 PM – 3:00 PM	Breakout Sessions	Various
3:00 PM – 3:15 PM	Break	California Foyer
3:15 PM – 4:15 PM	Keynote Session Rosalie Pacula, Drug Policy Research Center, RAND Corporation	California Ballroom
4:15 PM – 4:30 PM	Wrap-Up and Announcements	California Ballroom

WEDNESDAY, JANUARY 30

7:45 AM – 8:45 AM	Continental Breakfast	California Foyer
8:00 AM – 12:00 PM	Registration Open	California Foyer
9:00 AM – 11:00 AM	Poster Presentations Open	San Diego
9:00 AM – 10:00 AM	Keynote Session Gillian Schauer, Multi-State Collaborative on Cannabis and Public Health; Julia Dilley, Multnomah County and Oregon Public Health Division; Hanan Abramovici, Health Canada, Ottawa; Susan Weiss, National Institute on Drug Abuse; Althea Grant-Lenzy, Centers for Disease Control and Prevention	California Ballroom
10:00 AM – 10:30 AM	Break	California Foyer
10:30 AM – 12:00 PM	Breakout Sessions	Various
12:00 PM – 12:15 PM	Pick Up Lunch	California Foyer
12:15 PM – 1:15 PM	Lunch & Learn Sessions	Various
1:15 PM – 1:30 PM	Break	California Foyer
1:30 PM – 3:00 PM	Breakout Sessions	Various
3:00 PM – 3:15 PM	Break	California Foyer
3:15 PM – 4:15 PM	Keynote Session Andrew Freedman, Freedman and Koski, Inc.; Manuel Ruiz de Chavez, Comisión Nacional de Bioética de México (National Bioethics Commission of Mexico); TBA, Health Canada, Cannabis Legalization and Regulation Branch	California Ballroom
4:15 PM – 4:30 PM	Concluding Remarks, Evaluation, and Adjourn Dan Adams, <i>The Boston Globe</i>	California Ballroom

KEYNOTE SPEAKERS / MASTER OF CEREMONIES

MONDAY – WEDNESDAY, JANUARY 28 – 30

Master of Ceremonies

Monday – Wednesday, January 28 – 30



Dan Adams

Cannabis Reporter, *The Boston Globe*

MONDAY, JANUARY 28

Goodbye to the Old Guard: Legalization for the New Generation of Leaders

Health Equity

9:30 AM – 10:30 AM | Monday, January 28



Shaleen Title

Commissioner,
Massachusetts Cannabis Control Commission

Please note: Keynote speaker bios are available online at NorthAmericanCannabisSummit.org/speakers-2

Monday, January 28 (continued)

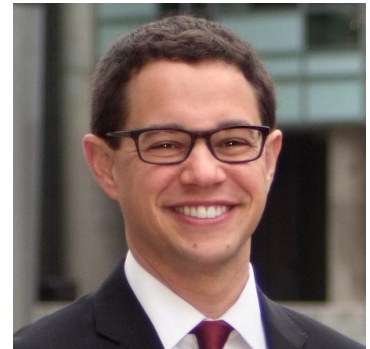
How Public Health Experts Can Shape the Future of Cannabis Policy

Governance, Federal Law, and Emerging Policy

3:30 PM – 4:30 PM | Monday, January 28

Andrew Freedman

Co-founder, Freedman and Koski, Inc.



Lewis Koski

Co-founder, Freedman and Koski, Inc.



Please note: Keynote speaker bios are available online at NorthAmericanCannabisSummit.org/speakers-2

KEYNOTE SPEAKERS

TUESDAY, JANUARY 29

Marijuana as Medicine: Can We See Past the Smoke?

Health Effects

9:00 AM – 10:00 AM | Tuesday, January 29



Igor Grant

Director of Psychiatry Chair and Director of San Diego Center for Medicinal Cannabis Research, University of California, San Diego

Cannabis and Opioids: What is the Role of Cannabis in the Evolving Opioid Epidemic

Emerging Research and Epidemiological Data

3:15 PM – 4:15 PM | Tuesday, January 29



Rosalie Pacula

Senior Economist, Co-Director of Drug Policy Research Center, RAND Corporation

Please note: Keynote speaker bios are available online at NorthAmericanCannabisSummit.org/speakers-2

WEDNESDAY, JANUARY 30

Public Health Cannabis Monitoring and Surveillance in an Era of Legalization

Emerging Research and Epidemiological Data

9:00 AM – 10:00 AM | Wednesday, January 30

Gillian Schauer

Senior Consultant, Multi-State Collaborative on
Cannabis and Public Health



Julia Dilley

Senior Research Scientist/Epidemiologist,
Multnomah County and Oregon Public Health
Division



Please note: Keynote speaker bios are available online at NorthAmericanCannabisSummit.org/speakers-2

KEYNOTE SPEAKERS

Wednesday, January 30—Public Health Cannabis Monitoring and Surveillance in an Era of Legalization (continued)

Hanan Abramovici

Manager and Senior Science Advisor, Office of Science and Surveillance, Cannabis Legalization and Regulation Branch, Health Canada, Ottawa



Susan Weiss

Director, Division of Extramural Research, National Institute on Drug Abuse



Althea Grant-Lenzy

Senior Science Officer, Deputy Director of Non-Infectious Diseases, Centers for Disease Control and Prevention



Please note: Keynote speaker bios are available online at NorthAmericanCannabisSummit.org/speakers-2

Wednesday, January 30 (continued)

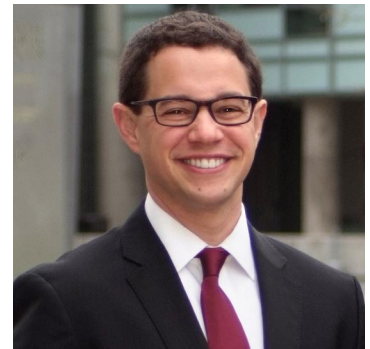
Perspectives on Moving Forward: What's Next Across North America?

Governance, Federal Law, and Emerging Policy

3:15 PM – 4:15 PM | Wednesday, January 30

Andrew Freedman

Co-founder, Freedman and Koski, Inc., U.S.A.



Manuel Ruiz de Chavez

President, Comisión Nacional de Bioética de México (National Bioethics Commission of Mexico)



Speaker TBA

Health Canada, Cannabis Legalization and Regulation Branch, Canada



Please note: Keynote speaker bios are available online at NorthAmericanCannabisSummit.org/speakers-2

DAILY SCHEDULE

MONDAY, JANUARY 28*

7:45 AM – 8:45 AM California Foyer	Continental Breakfast
7:00 AM – 4:00 PM California Foyer	Registration Open
9:00 AM – 6:00 PM San Diego	Poster Presentations Open
9:00 AM – 9:30 AM California Ballroom	Welcome and Introductory Remarks Dan Adams, <i>The Boston Globe</i>
9:30 AM – 10:30 AM OPENING KEYNOTE California Ballroom	Goodbye to the Old Guard: Legalization for the New Generation of Leaders <i>Health Equity</i> Shaleen Title, Massachusetts Cannabis Control Commission Commissioner Title was appointed in 2017 by the Massachusetts governor, treasurer, and attorney general to serve as one of five full-time commissioners of the Cannabis Control Commission, the independent state agency charged with regulating the legal marijuana industry.
10:30 AM – 10:45 AM San Diego	Break and Poster Presentations
10:45 AM – 12:15 PM BREAKOUT A1 Emerald Bay	Enhancing the Standardized Field Sobriety Testing to Detect Cannabis Impairment <i>Public Safety</i> Amy Porath and Doug Beirness, Canadian Centre on Substance Use and Addiction This presentation focuses on the Finger-to-Nose (FTN) test as a supplement to the Standardized Field Sobriety Testing (SFST) battery in enabling law enforcement to assess driver impairment by cannabis.
10:45 AM – 12:15 PM BREAKOUT A2 Hollywood	State Public Health Approaches to Public Education Messaging for Adult Cannabis Users <i>Prevention and Education</i> Alaska's Responsible Consumer Campaign Eliza Muse, State of Alaska, Department of Health and Social Services Alaska's Department of Health and Social Services developed an adult marijuana public education campaign to educate people about the law, promote responsible consumption among adults, and decrease marijuana-impaired driving. Meg the Budtender: Colorado's Responsible Use Campaign Jessica Neuwirth, Colorado Department of Public Health and Environment The Colorado Department of Public Health and Environment's adult marijuana public education social marketing campaign, Responsibility Grows Here, educates marijuana consumers about responsible, safe, and legal use in Colorado. Public Health Considerations for Adult Cannabis Use Gillian Schauer, National Institute on Drug Abuse This presentation provides an overview of health effects and other public health considerations that pertain to adult cannabis use and can complicate public education messaging to adult cannabis users.

Please note: Presenter bios are available online at <http://bit.ly/NACS2019Presenters>

MONDAY, JANUARY 28* (CONTINUED)

10:45 AM – 12:15 PM BREAKOUT A3 Avalon	Tailoring Cannabis Prevention Campaigns to Resonate with Diverse Communities, Including First Nations <i>Prevention and Education</i> Adaptation of Prevention Strategies for First Nations David Sioui and Shantala Langevin, Yarha' Presenters will discuss culturally sensitive adaptations to the format and content of legalized cannabis training programs to address disparities and restore power and justice to First Nations people in Canada. Tailored Youth Prevention Campaigns for Diverse Communities Elaine Ishihara, APICAT for Healthy Communities This session describes the Washington Marijuana Prevention and Education Program's process of community involvement and strategies to develop a culturally relevant and effective prevention education campaign.
10:45 AM – 12:15 PM BREAKOUT A4 Beverly	Cannabis in Medical Education: Igniting the Conversation <i>Prevention and Education</i> Laurent Elkrief, Philippe Simard, Didier Jutras-Aswad, Tara D'Ignazio, and Julien Belliveau, Université de Montréal A group of medical students, residents, and practicing physicians will discuss the current state of medical education on cannabis, presenting data from a new Canada-wide survey.
10:45 AM – 12:15 PM BREAKOUT A5 Palos Verdes	Prevention and Intervention in the Current Environment <i>Prevention and Education</i> <i>Health Effects</i> Prevention of Marijuana Misuse: In the Legal Zeitgeist Steve Sussman, University of Southern California The presenter will explore how a drug abuse prevention model focused on motivation, skills, and decision-making can be applied to today's legal and easy-to-acquire cannabis products. Interventions for Adolescent Cannabis Misuse Denise Walker, University of Washington Cannabis use poses unique risks to adolescents. This talk will review adolescent cannabis disorder treatments and consider how legalization might be crafted to benefit this population.

Please note: Presenter bios are available online at <http://bit.ly/NACS2019Presenters>

DAILY SCHEDULE

MONDAY, JANUARY 28* (CONTINUED)

10:45 AM – 12:15 PM BREAKOUT A6 Beaudry A	Patterns of Cannabis Use Among Youth in the Context of Legalization: Measuring and Interpreting Sales Data <i>Emerging Research and Epidemiological Data</i> Estimating Cannabinoids Sold from Messy Marijuana Sales Data Jason Williams, Alcohol and Drug Abuse Institute, University of Washington An accurate seed-to-sale traceability database should provide usable sales data with potencies and answer a host of important questions. Washington's initial implementation fell short; this presentation offers an analysis and possible solutions. Use of Alternative Cannabis Products Among Youth Adam Leventhal, University of Southern California This session presents recently collected data on prevalence, patterns, and correlates of use/poly-use (i.e., use of two or more different products) across the spectrum of cannabis products in cohorts of Southern California youth.
10:45 AM – 12:15 PM BREAKOUT A7 Santa Anita	Emerging Research on the Use of Cannabis in Harm Reduction <i>Emerging Research and Epidemiological Data</i> <i>Health Equity</i> Emerging Research on the Use of Cannabis in Harm Reduction Patrick Smith, Fardous Hosseiny, and Leyna Lowe, Canadian Mental Health Association This presentation will examine the evidence for cannabis use as a harm reduction strategy to reduce or replace opioid use, drawing on early evidence from an innovative pilot in Vancouver, Canada.
10:45 AM – 12:15 PM BREAKOUT A8 Santa Barbara	Cannabis and the Workplace: Cannabis Retail Workers, and Users in Other Workplace Settings <i>Emerging Research and Epidemiological Data</i> <i>Regulatory Issues</i> Health and Safety of Cannabis Workers Marc Schenker, University of California, Davis The presenter will discuss health and safety risks of cannabis cultivation, such as biological hazards, chemical risks, and physical hazards, based on a review of extant information and field visits. Defining Safe Cannabis Consumption within the Retail Space Michele Cadigan, University of Washington This study investigates legal cannabis retail store workers' definitions of safe use, how that relates to customers' definitions of safe consumption, and how using cannabis relates to job duties.

Please note: Presenter bios are available online at <http://bit.ly/NACS2019Presenters>

MONDAY, JANUARY 28* (CONTINUED)

10:45 AM – 12:15 PM BREAKOUT A9 San Gabriel	Regulatory Issues That Will Impact Cannabis Health Outcomes: Increasing Potency, Flavored Products, and Intensive Marketing <i>Emerging Research and Epidemiological Data</i> <i>Regulatory Issues</i> Measuring “THC Obtained” Beau Kilmer, RAND Corporation This discussion explores two Washington datasets and other sources to better understand the amount of THC obtained at individual and aggregate levels, including THC obtained by product type and change over time. Flavored Cannabis Products: Lessons from Tobacco Stanton Glantz, University of California, San Francisco This presentation summarizes the evidence that flavors in tobacco products attract and hold young users and contribute to increased use of e-cigarettes and how these lessons apply to cannabis regulation. Lessons from Tobacco: Potency, Flavors, and Advertising Lynn Silver, Public Health Institute This presentation describes a project that seeks to protect youth/reduce harm from legalized cannabis through lessons from decades of tobacco/alcohol control and balancing social equity/public health concerns. Signs of the Times: Cannabis Retail Advertising in Oregon Julia Dilley, Multnomah County and Oregon Public Health Division This presentation describes patterns of self-reported exposure to cannabis advertising among adults and youth in Oregon after a legalized retail market opened and identifies groups with greatest exposure.
10:45 AM – 12:15 PM BREAKOUT A10 Beaudry B	Factors that Influence Transition to the Regulated Market and How Communities Can Leverage Them <i>Emerging Research and Epidemiological Data</i> <i>Regulatory Issues</i> <i>Health Equity</i> Why Do Consumers Continue to Use Unregulated Sources Following Legalization? Jane Allen, RTI International This presentation explores research showing that social and economic factors likely play a role in marijuana purchase decisions, possibly explaining why some consumers don’t transition to the regulated market upon legalization. Dealing with Unlicensed Cannabis Business Operators Brad Rowe, UCLA Luskin School of Public Affairs Learn about the tools for regulators and law enforcement to cut down on illicit growers, manufacturers, and retail operations and provide an environment favorable to compliance in the legal market.

Please note: Presenter bios are available online at <http://bit.ly/NACS2019Presenters>

DAILY SCHEDULE

MONDAY, JANUARY 28* (CONTINUED)

12:15 PM – 12:30 PM California Foyer	Pick Up Lunch
LUNCH & LEARN SESSIONS Enjoy your lunch in a relaxed and interactive learning environment.	
12:30 PM – 1:30 PM LUNCH & LEARN ML1 Avalon	Adaptation of Prevention Strategies for First Nations <i>Prevention and Education</i> <i>Health Equity</i> David Sioui and Shantala Langevin, Yarha' Learn about the field experience and adaptations made to training formats and content that address the disparities between First Nations and Canadians in relation to the legalization of cannabis.
12:30 PM – 1:30 PM LUNCH & LEARN ML2 San Gabriel	A Digital Campaign to Address Youth Multi-Substance Use <i>Prevention and Education</i> Jeffrey Jordan, Rescue: The Behavior Change Agency This presentation reviews the formative research, key campaign insights, and preliminary results of "Hustle & Strive," an online intervention to help teens choose a substance-free life focused on their interests and passions to build life skills.
12:30 PM – 1:30 PM LUNCH & LEARN ML3 Santa Barbara	What if Marijuana Were NOT a Schedule 1 Drug? Legal and Policy Implications <i>Governance, Federal Law, and Emerging Policy</i> <i>Health Equity</i> Kerry Cork and Hudson Kingston, Public Health Law Center Examine the legal and policy implications if the U.S. Government were to remove marijuana and tetrahydrocannabinols from Schedule 1 classification and eliminate federal criminal penalties for most marijuana-related offenses.
12:30 PM – 1:30 PM LUNCH & LEARN ML4 Emerald Bay	Opportunities and Challenges of Cannabis Equity Programs <i>Health Equity</i> Shaleen Title, Massachusetts Cannabis Control Commission; Cat Packer, Los Angeles Department of Cannabis Regulation Join Commissioner Title and Cat Packer as they delve deeper into issues from Commissioner Title's keynote address and open a conversation about implementing equity programs at the state and city level.
12:30 PM – 1:30 PM LUNCH & LEARN ML5 Hollywood	Regulating Cannabis: Building a New Tobacco Industry or Learning from the Past? Lessons from California <i>Regulatory Issues</i> Lynn Silver, Public Health Institute Complementing "Lessons from Tobacco: Potency, Flavors, and Advertising," this session will discuss key challenges for the protection of youth, public health, and social equity in the regulation of the emerging cannabis industry.
1:30 PM – 1:45 PM	Break

Please note: Presenter bios are available online at <http://bit.ly/NACS2019Presenters>

MONDAY, JANUARY 28* (CONTINUED)

1:45 PM – 3:15 PM BREAKOUT B1 Santa Barbara	Understanding and Navigating the Decision to Legalize Marijuana <i>Prevention and Education</i> Fact-Based Public Education in Cannabis Eric Siegel, University of California Botanical Garden at Berkeley This presentation reports on a successful university-based education program that provides fact-based public education about cannabis to inform responsible and effective use of cannabis and public policy. New Hampshire: Finding Marijuana Middle Ground in Extreme Times Kate Frey, New Futures This session illustrates how public health advocates in New Hampshire were able to successfully find middle ground on controversial issues by focusing on youth, bi-partisan compromise, and engaging unlikely allies.
1:45 PM – 3:15 PM BREAKOUT B2 Beaudry B	Youth-Led Prevention Messaging & Addressing Youth Education for Industry <i>Prevention and Education</i> I Perform Above the High—A Youth-Led Campaign to Prevent Marijuana Use James White, Evi Hernandez, California Health Collaborative This workshop describes the California Performing Above the High (PATH) project focused on increasing knowledge and the social skills necessary to combat marijuana and other drug use in youth. Youth Education and Prevention for the Cannabis Industry Sarah Grippa, Marijuana Education Initiative Learn about Colorado educators who collaborate with school districts, legislators, and leaders within the cannabis industry to address community concerns surrounding legalization and youth prevention.
1:45 PM – 3:15 PM BREAKOUT B3 Beverly	Pregnant & Breastfeeding Women: Crafting Prevention Messaging & Women's Motivations <i>Prevention and Education</i> <i>Emerging Research and Epidemiological Data</i> Pregnant and Breastfeeding Marijuana Use Prevention Messages Sophia Lerdahl, Rescue: The Behavior Change Agency This session will cover the psychographics of pregnant and breastfeeding women at risk for marijuana use to inform future health campaigns to reduce cannabis use among these women nationwide. Pregnant/Breastfeeding Women's Motivations Post-Legalization Sophia Lerdahl, Rescue: The Behavior Change Agency This session reviews research on pregnant or breastfeeding women in a western state to help public health practitioners tailor their cannabis prevention messages to align with insights gained in the study.

Please note: Presenter bios are available online at <http://bit.ly/NACS2019Presenters>

DAILY SCHEDULE

MONDAY, JANUARY 28* (CONTINUED)

1:45 PM – 3:15 PM BREAKOUT B4 Santa Anita	Prevalence and Correlates of Cannabis Use Disorder Among Latinos <i>Emerging Research and Epidemiological Data</i> <i>Health Equity</i> Lillian Gelberg, UCLA Department of Family Medicine Learn about pre-legalization cannabis use rates among Latinos in California, the importance of routine screening for marijuana use in Federally Qualified Health Centers, and the potential role of acculturation factors.
1:45 PM – 3:15 PM BREAKOUT B5 Emerald Bay	Community Responses to Cannabis Legalization in Canada and the United States <i>Governance, Federal Law, and Emerging Policy</i> <i>Health Equity</i> Bureaucracy Meets the Bong: Public Health and Retail Cannabis Scott Neal, Public Health—Seattle & King County Local governments and public health departments have an important role in cannabis legalization efforts. Explore the Washington public health perspective of cannabis legalization: lessons learned, potential pitfalls, and recommended strategies. Cannabis Legalization in Canada: Key Community Responses Tara Marie Watson and Sergio Rueda, Centre for Addiction and Mental Health This presentation draws on three qualitative data sources to report on an ongoing study to examine how some Canadian provinces are responding to federal legalization with their own regulatory frameworks.
1:45 PM – 3:15 PM BREAKOUT B6 Palos Verdes	Balancing Regulatory, Research, and Industry Interests: Perspectives from the California Experience <i>Governance, Federal Law, and Emerging Policy</i> The Great California Cannabis Experiment—Is It Working? Industry and Regulatory Perspectives on the Successes and Challenges of 2018 Jennifer Price, Golden State Government Relations This presentation looks at how the California cannabis industry and regulating agencies have managed transitioning from an unregulated “gray” market to the confines of state and local governance. A UC Perspective on Regulatory Barriers to Cannabis Research Agnes Balla, University of California Office of the President Rigorous scientific research on cannabis is critical to keep pace with legalization, but there are regulatory barriers. This presentation shares approaches to support research interests in this space.
1:45 PM – 3:15 PM BREAKOUT B7 Hollywood	Health Effects of Secondhand Smoke from Marijuana <i>Health Effects</i> Matthew Springer and Suzaynn Schick, University of California, San Francisco; Cynthia Hallett, Americans for Nonsmokers Rights; Phillip Gardiner, Tobacco-Related Disease Research Program Secondhand smoke from tobacco and marijuana have rapid adverse effects on vascular function in rats. Legalization leads to increased opportunities for involuntary exposure. Public health and policy implications of these findings will be discussed.

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MONDAY, JANUARY 28* (CONTINUED)

1:45 PM – 3:15 PM BREAKOUT B8 San Gabriel	TBA <i>Health Effects</i> Drug Policy Alliance
1:45 PM – 3:15 PM BREAKOUT B9 Avalon	Analysis of Cannabis Advertisements in Print, Social Media, and Online <i>Regulatory Issues</i> Cannabis Advertising Exposure and Use Among Adolescents Pamela Trangenstein, Boston University School of Public Health Nearly half of teens report “almost constant” Internet use. This presentation examines how exposure to and engagement with cannabis advertising on social media is associated with youth cannabis use. Content Analysis of Marijuana Advertisement in Print Media Beatriz Carlini, University of Washington Alcohol and Drug Abuse Institute This presentation focuses on ways research on recreational cannabis ads in print publications in Washington State can inform public health interventions, such as media campaigns and media literacy programs.
1:45 PM – 3:15 PM BREAKOUT B10 Beaudry A	Marijuana Secondhand Smoke Exposure in Multi-Unit Housing: Preliminary Findings <i>Regulatory Issues</i> Peggy Toy and Ying-Ying Meng, UCLA Center for Health Policy Research Presenters will discuss how legalization of recreational cannabis has heightened the urgency to address cannabis second-hand smoke (SHS) policy. Los Angeles, with the UCLA-SAFE study team, is examining marijuana SHS in multi-unit housing.
3:15 PM – 3:30 PM	Break
3:30 PM – 4:30 PM KEYNOTE California Ballroom	How Public Health Experts Can Shape the Future of Cannabis Policy <i>Governance, Federal Law, and Emerging Policy</i> Andrew Freedman and Lewis Koski, Freedman and Koski, Inc. Over the past decades, North America has been torn apart by diametrically opposed and deeply held beliefs about cannabis. Join Freedman and Koski as they provide a tempered view of what we currently know about the effects of legalization, lessons learned, and how we can impact policy for the better.
4:30 PM – 6:00 PM San Diego	Networking Reception and Poster Presentations

Poster presentations on next page.

Please note: Presenter bios are available online at <http://bit.ly/NACS2019Presenters>

DAILY SCHEDULE

MONDAY, JANUARY 28* (CONTINUED)

POSTER PRESENTATIONS

Prevention and Education

P1. Cannabis Workers' Safety and Health

Farzaneh Khorsandi Kouhanestani, University of California, Davis

P2. Computerized Interventions to Reduce Youth Cannabis Use

Joanna Jacobus, University of California, San Diego

P3. Developing Activities for Youth Cannabis Use Prevention

Bonnie Halpern-Felsher, Adrienne Lazaro, and Richard Ceballos III, Stanford University

P4. Developing Equitable Approaches to Route of Administration

Lorraine Greaves, Nancy Poole, and Natalie Hemsing, Centre of Excellence for Women's Health

P5. Helpline Staff Knowledge of Marijuana: Evaluation & Training

Beatriz Carlini, Sharon Garrett, and Meg Brunner, Alcohol and Drug Abuse Institute, University of Washington

P6. Relevant Local Data on Cannabis Issues

Catherine Dizon, Jorge Andrews, Sarah Hellesten, Robin Kipke, Danielle Lippert, Tobacco Control Evaluation Center, University of California, Davis

Emerging Research and Epidemiological Data

P7. Analysis of Cannabis-Related Patient-Provider Communications

Judith Prochaska and Kathleen Gali, Stanford University; Kelly Young-Wolff, Kaiser Permanente Division of Research

P8. Analysis of the Association Between Cannabis and Opiate Use

Jesse Goldshear, Keck School of Medicine, University of Southern California

P9. Cannabis Use Among Sexual Minority Men in Los Angeles County

Lorree (Katy) Berteau, Ian Holloway, and Diane Tan, University of California, Los Angeles (UCLA); Ayako Miyashita Ochoa, UCLA Luskin School of Public Affairs

P10. Cannabis Use, Attitudes, and Policy Support in California

Judith Prochaska and Kathleen Gali, Stanford University; Sandra Winter, Stanford Prevention Research Center; Erica Frank, University of British Columbia

P11. Development of a CBD Registry

Martha Kelly, IMPAQ International

P12. Impact of Cannabis Legalization on Juvenile Offenders

Emily Kan, University of California, Irvine

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MONDAY, JANUARY 28* (CONTINUED)

P13. Increasing Marijuana Use by Older Adults: Causes for Concern

Susan Stoner, University of Washington

P14. Marijuana Legalization and the Opioid Crisis

Nima Shahidinia, RAND Corporation

P15. Measuring Indoor Smoking Using Air Particle Monitors

John Bellettiere, San Diego State University

P16. Motivations for Cannabis Use Among People Who Inject Drugs

Kelsey Simpson, Keck School of Medicine, University of Southern California

P17. Secondhand Exposure to Marijuana and Cigarette Smoke in the United States

Shu-Hong Zhu, University of California, San Diego

P18. Social Weedia: Review of Social Media Research on Marijuana

LaTrice Montgomery, University of Cincinnati

P19. Stigmatization of Marijuana Consumers in the Context of Legalization

Matthew Farrelly, Jane Allen, and Brian Bradfield, RTI International

P20. Substance Use Among Youth in Washington State

Julia Dilley, Multnomah County and Oregon Public Health Division; Charles Fleming, Isaac Rhew, and Katarina Guttmannova, University of Washington

P21. Vaping Cannabis Among Adolescents: Insights from the Monitoring the Future Survey

Alexandra Kritikos, Student at Brandeis University

Governance, Federal Law, and Emerging Policy

P22. Cannabis Legalization in Canada: Recommendations of Quebec's Public Health Directors

Julie Loslier, Université de Sherbrooke

P23. Price Sensitivity of Legal vs. Illegal Cannabis

Michael Amlung, McMaster University

P24. Public Health and the Cannabis Retail Environment, Los Angeles County

Jane Steinberg, Keck School of Medicine, University of Southern California; Cynthia Hallett, Americans for Nonsmokers Rights; Will Nicholas, Los Angeles Department of Public Health

P25. U.S. Adult-Use and Medical Cannabis Purchase Limits

Stanton Glantz and Candice Bowling, University of California, San Francisco

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DAILY SCHEDULE

MONDAY, JANUARY 28* (CONTINUED)

Health Effects

P26. Cannabis-Induced Psychotic Disorder: Case Series

Nathan Pearson, West Virginia University School of Medicine; James Berry, West Virginia University

P27. Effects of Cannabis Products According to THC:CBD Ratios

Violaine Mongeau-Pérusse, University of Montréal

P28. Kidney Toxicity Induced by Cannabinoid Consumption

Pierre-André Dubé, Institut National de Santé Publique du Québec

P29. Physician Perceptions of Marijuana's Harm and Benefit

Shu-Hong Zhu, University of California, San Diego

P30. Youth Cannabis Use and Cognitive Function

Natalie Castellanos Ryan, Université de Montréal

Regulatory Issues

P31. Compendium and Comparison of State Medical Cannabis Testing

Satyam Patel, Sherman Hom, and Steven Nguy, New Jersey Department of Health, Public Health & Environmental Labs

P32. Impacts of Point-of-Sale Marijuana Marketing on Adolescent Marijuana Consumption

Yuyan Shi and Yiwen Cao, University of California, San Diego

P33. Interviews with Washington State's Cannabis License Holders

Sam Hampsher and Clarissa Manning, BOTECH Analysis, LLC

P34. Marijuana Advertisement Violations in Washington State: 2014–2017

Sharon Garrett, Alcohol and Drug Abuse Institute, University of Washington

TUESDAY, JANUARY 29*

7:45 AM – 8:45 AM California Foyer	Continental Breakfast
7:00 AM – 4:00 PM California Foyer	Registration Open
9:00 AM – 11:00 AM San Diego	Poster Presentations Open
9:00 AM – 10:00 AM KEYNOTE California Ballroom	Marijuana as Medicine: Can We See Past the Smoke? <i>Health Effects</i> Igor Grant, San Diego Center for Medicinal Cannabis Research, University of California, San Diego In this presentation, the evidence for therapeutic efficacy of cannabis will be reviewed with respect to specific conditions such as neuropathic pain, muscle spasticity, and other indications, as well as possible future evolution of therapies based on modulating the endocannabinoid system.
10:00 AM – 10:30 AM	Break and Poster Presentations
10:30 AM – 12:00 PM BREAKOUT C1 Santa Barbara	Tools and Practices for Testing Cannabis and Cannabis Product Safety <i>Prevention and Education</i> <i>Regulatory Issues</i> Food Safety Resources for Cannabis-Infused Products Elizabeth Landeen, National Environmental Health Association Learn about newly developed resources for food safety agencies to address cannabis-infused edibles, including the Glossary of Terms, Food Safety Guidance for Cannabis-Infused Products, and other useful tools. Cannabis Microbiome Sequencing Implications for Cannabis Safety Testing Kyle Boyar, Medicinal Genomics This presentation discusses how commonly used food-testing methodology is not the best approach for cannabis and offers new perspectives on how to tackle microbiological contaminants in cannabis.
10:30 AM – 12:00 PM BREAKOUT C2 Palos Verdes	Engaging Teens in Prevention Messaging and Youth Perspectives on Use <i>Prevention and Education</i> How to Engage Teens to Create Prevention Messaging Renee Fraser, Fraser Communications; Rachel Tyree, Los Angeles County Department of Public Health This presentation shares how Los Angeles County engaged teens in a peer-to-peer cannabis use prevention campaign and describes ways attendees can build programs that involve teens in addressing community health. Youth Perspectives on Marijuana Use: Themes from Youth Listening Sessions Kaylin Bolt and Meghan King, Public Health—Seattle & King County Presenters will describe a series of listening sessions conducted in Washington state to understand youth perceptions around cannabis use and social and health risks to inform prevention efforts.

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DAILY SCHEDULE

TUESDAY, JANUARY 29* (CONTINUED)

10:30 AM – 12:00 PM BREAKOUT C3 Beaudry B	Developing Cannabis Education and Prevention Campaigns <i>Prevention and Education</i> Lessons from the Tobacco Years Pamela McColl, Campaign for Justice Against Tobacco Fraud This session reviews historic tobacco prevention messages and strategies and how these approaches can be applied to cannabis products in relation to control and prevention. Public Education and Prevention Campaigns: What Should State Agencies Responsible for Marijuana Prevention and Education Consider in the Development and Evaluation of Campaigns? Shannon Breitzman and Joe Conrad, Health Management Associates Learn about and discuss public prevention and education efforts in states with legal marijuana, including what went into the development of messages and early evaluation outcomes.
10:30 AM – 12:00 PM BREAKOUT C4 Beverly	Tools to Inform Cannabis Public Health, Prevention Strategies, and Policies <i>Prevention and Education</i> <i>Health Equity</i> Advocacy Tools for Local Environmental Policy Change Gilbert Mora, Behavioral Health Services, Inc.; Sokhom Phou, Los Angeles County Office of Education; Raunda Jones, Behavioral Health Services, Inc. Learn about innovative prevention strategies and tools for public health, including how to develop and utilize them to gather data and inform policies and approaches that protect youth. Marijuana: Prevention First! Annay Picazo and Jenifer Harris, Behavioral Health Services, Inc. Learn how to use environmental scanning and asset mapping to inform local policies and gain information about legal and illegal marijuana outlets; presentation includes discussion of prevention and engagement.
10:30 AM – 12:00 PM BREAKOUT C5 Emerald Bay	Perinatal Use: Effects of Cannabis Legalization on Use and Route of Administration <i>Emerging Research and Epidemiological Data</i> Effect of Cannabis Legalization on Prenatal Use Rates Danica Taylor, University of California, Davis This session explores the gaps in research around how cannabis legalization impacts prenatal cannabis use rates, with a focus on health behaviors among pregnant women. Modes of Marijuana Administration Before & During Pregnancy Kelly Young-Wolff, Kaiser Permanente Division of Research The presenter will discuss the results and implications of a pilot test of a modified screening questionnaire that asks about mode of administration among pregnant women who self-report marijuana use.

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TUESDAY, JANUARY 29* (CONTINUED)

10:30 AM – 12:00 PM BREAKOUT C6 Santa Anita	Experience of Pain Patients in Minnesota's Medical Cannabis Program <i>Health Effects</i> Tom Arneson, Minnesota Department of Health, Office of Medical Cannabis Based on Minnesota's experience, this presentation demonstrates how patient- and clinician-derived data collection can be built into a state medical cannabis program and what can be learned from it.
10:30 AM – 12:00 PM BREAKOUT C7 San Gabriel	Overview of Cannabis Policies in the United States and Canada <i>Governance, Federal Law, and Emerging Policy</i> Overview of U.S. State Adult-Use Cannabis Policies Gillian Schauer, National Institute on Drug Abuse This session details an ongoing policy tracking initiative to track variables related to public health from state adult-use cannabis policies in the 10 states with legal retail sales. Québec's Public Not-for-Profit Distribution System François Gagnon, Institut National de Santé Publique du Québec This presentation explores Quebec's role as the only exclusively public, not-for-profit distribution system of non-medical cannabis in the world. Regulatory, operational, and motivational topics will be discussed.
10:30 AM – 12:00 PM BREAKOUT C8 Beaudry A	Cannabinoid Stress Reduction: Building Emotional Resilience <i>Health Effects</i> Reef Karim, UCLA Medical Center and Semel Institute for Neuroscience & Human Behavior This session explores understanding of cannabinoids and their connection to resilience, how they can increase well-being and resilience, and how they may provide treatment for refractory biological/psychological conditions.
10:30 AM – 12:00 PM BREAKOUT C9 Avalon	Cannabis and the Opioid Epidemic <i>Health Effects</i> Cannabis/Cannabinoids and the North American Opioid Crisis M-J Milloy, British Columbia Centre on Substance Use; Philippe Lucas, University of Victoria, Social Dimensions of Health In this session, scientific experts from the United States and Canada will discuss their efforts to investigate the possible role of cannabis in mitigating the ongoing opioid crisis. Colorado, Cannabis, and the Opioid Epidemic Kenneth Finn, Springs Rehabilitation, PC This session will review current literature on medical cannabis, especially as it relates to pain, and will outline Colorado's experience in the face of the opioid epidemic.

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DAILY SCHEDULE

TUESDAY, JANUARY 29* (CONTINUED)

10:30 AM – 12:00 PM BREAKOUT C10 Hollywood	Patients Leading the Doctors: How Do Health Professionals Respond to Medical Questions About Cannabis? <i>Health Effects</i> Barbara Herbert, Massachusetts Chapter, American Society of Addiction Medicine This presentation highlights efforts to create standardized curriculum to assist providers in incorporating cannabis into practice; this is still needed despite acknowledged medical efficacy in Canadian and U.S. national publications.
12:00 PM – 12:15 PM California Foyer	Pick Up Lunch
LUNCH & LEARN SESSIONS Enjoy your lunch in a more relaxed and interactive learning environment.	
12:15 PM – 1:15 PM LUNCH & LEARN TL1 Santa Barbara	Factors Related to Drug-Impaired Driving in Canada <i>Public Safety</i> Karen Koundakjian, Public Safety Canada Come discuss attitudes about cannabis and driving based on an analysis of demographic factors related to beliefs about drug-impaired driving and behaviors such as driving within 2 hours of using cannabis.
12:15 PM – 1:15 PM LUNCH & LEARN TL2 San Gabriel	Let's Stay Connected: Building a Cannabis Network <i>Emerging Research and Epidemiological Data</i> Jane Allen, RTI International Join us as we begin the process of building a collaborative cannabis network focused on what participants would want, the technologies available, and how different platforms might promote specific types of communication.
12:15 PM – 1:15 PM LUNCH & LEARN TL3 Emerald Bay	Everything We Messed Up. And How We Fixed It. <i>Governance, Federal Law, and Emerging Policy</i> Andrew Freedman and Lewis Koski, Freedman and Koski, Inc. An intimate lunchtime conversation with Andrew Freedman and Lewis Koski.
12:15 PM – 1:15 PM LUNCH & LEARN TL4 Avalon	TBA <i>Health Effects</i> Igor Grant, San Diego Center for Medicinal Cannabis Research, University of California, San Diego
12:15 PM – 1:15 PM LUNCH & LEARN TL5 Santa Anita	Cannabis and Reparative Justice <i>Health Equity</i> Rodney Holcombe II, Drug Policy Alliance
1:15 PM – 1:30 PM	Break

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TUESDAY, JANUARY 29* (CONTINUED)

1:30 PM – 3:00 PM BREAKOUT D1 Avalon	Biology of Cannabis Use: Impact on Driving and on Adolescents <i>Public Safety</i> <i>Emerging Research and Epidemiological Data</i> What You Cannot See When High: Marijuana and Retinal Ganglion Denise A. Valenti, IMMAD, LLC This overview will discuss research related to visual function and structural imaging of the retina and brain, as well as a functional retinal forensics tool under development for law enforcement. Neurobiological Consequences of Adolescent Cannabinoid Use Stephen Mahler, University of California, Irvine The presenter will discuss recent findings from neuroscience in rodents and talk about potential implications for teenagers with regard to their risk of psychiatric disorders, such as addiction or schizophrenia.
1:30 PM – 3:00 PM BREAKOUT D2 Beaudry B	Dealing with Recreational Cannabis in the Workplace <i>Prevention and Education</i> Melissa Snider-Adler, DriverCheck, Inc. This session will share what Canada has learned about legal cannabis for adult use and medical cannabis since the legalization that occurred in October 2018.
1:30 PM – 3:00 PM BREAKOUT D3 San Gabriel	State Public Health Approaches for Youth Cannabis Prevention <i>Prevention and Education</i> Multi-State Considerations for Youth Cannabis Prevention Gillian Schauer, National Institute on Drug Abuse This presentation will focus on public health considerations when designing youth cannabis prevention programs, including health effects, policies that may impact youth access and use, and overlap with other substances. Multi-State Considerations for Youth Cannabis Prevention Tricia Blocher, California Department of Public Health (CDPH) This presentation will describe the strategy CDPH used to inform the Let's Talk Cannabis campaign and review the challenges of developing a statewide youth campaign. Oregon Youth Cannabis Prevention Campaign Amanda Cue, Oregon Health Authority The presenter will share an approach to youth cannabis prevention, highlighting a health communications campaign funded by legislature and policy recommendations to more fully address youth cannabis prevention. Youth & Cannabis: Prevention Strategies that Work Jessica Neuwirth, Colorado Department of Public Health & Environment; Gillian Schauer, National Institute on Drug Abuse Colorado's continued success in youth prevention requires multiple strategies to get "upstream." Presenters will describe social marketing campaigns, policy and regulatory recommendations, and diverse stakeholder engagement.

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DAILY SCHEDULE

TUESDAY, JANUARY 29* (CONTINUED)

1:30 PM – 3:00 PM BREAKOUT D4 Beaudry A	Air Quality Impacts of Cannabis Cultivation <i>Emerging Research and Epidemiological Data</i> Kaitlin Urso, Colorado Department of Public Health and Environment Learn about a Colorado study quantifying the rate of volatile organic compound (VOC) emissions from cannabis cultivation. VOCs contribute to ground-level ozone, which is harmful to human health and the environment.
1:30 PM – 3:00 PM BREAKOUT D5 Beverly	Cannabis Legalization in Canada and Comparisons with the United States <i>Emerging Research and Epidemiological Data</i> Elle Wadsworth, Samantha Goodman, and David Hammond, University of Waterloo Learn about the International Cannabis Policy Study survey, with U.S. and Canada data on consumption, sources, pricing, risk behaviors, policy-relevant outcomes, and problematic use.
1:30 PM – 3:00 PM BREAKOUT D6 Emerald Bay	Cannabis Legalization Campaign Contributions and Outcomes <i>Governance, Federal Law, and Emerging Policy</i> Daniel Orenstein and Stanton Glantz, University of California, San Francisco From a study comparing campaign contribution data for 32 legalization initiatives, attendees will gain insight into voter support and initiative passage, as well as implications for health advocates.
1:30 PM – 3:00 PM BREAKOUT D7 Santa Anita	How Cannabis Taxation Is Likely to Evolve <i>Governance, Federal Law, and Emerging Policy</i> Patrick Oglesby, Center for New Revenue This session will compare cannabis revenue techniques and a variety of jurisdictions' revenue laws, explain why many current cannabis taxes don't serve public health, and evaluate possible improvements to revenue laws.
1:30 PM – 3:00 PM BREAKOUT D8 Palos Verdes	Medical Cannabis in Canada: Implications for Health Care Professionals <i>Governance, Federal Law, and Emerging Policy</i> Caroline MacCallum, Greenleaf Medical Clinic; Ashley Chisholm, Canadian Nurses Association; Shelita Dattani, Canadian Pharmacists Association This panel provides an interprofessional perspective of cannabis legalization in Canada, reinforcing the importance of preserving a medical stream and strengthening the value of the interprofessional approach to care.
1:30 PM – 3:00 PM BREAKOUT D9 Hollywood	Cannabis Reform as Criminal Justice Reform Douglas Berman, Ohio State University College of Law, Drug Enforcement & Policy Center; John Card, Northeastern University School of Law This session will explore how cannabis reforms could and should seek to address individual and structural harms that have resulted from prohibitionist policies and their disproportionate burden on certain populations.

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TUESDAY, JANUARY 29* (CONTINUED)

1:30 PM – 3:00 PM BREAKOUT D10 Santa Barbara	Perceptions of Secondhand Smoke from Cannabis, Vape, and Support for Smoke-Free Multi-Unit Housing Regulations <i>Regulatory Issues</i> <i>Health Equity</i> Steve Sussman, Lourdes Baezconde-Garbanati, Yaneth Rodriguez, Rosa Barahona, and Jennifer Unger, University of Southern California This session will feature findings from a study of multi-unit housing (MUH) tenants and discuss implications of a city-wide MUH smoke-free policy, as well as related state and local tobacco-control policies.
3:00 PM – 3:15 PM	Break
3:15 PM – 4:15 PM KEYNOTE California Ballroom	Cannabis and Opioids: What is the Role of Cannabis in the Evolving Opioid Epidemic <i>Emerging Research and Epidemiological Data</i> Rosalie Pacula, Drug Policy Research Center, RAND Corporation There is growing evidence that adoption of medical cannabis laws is associated with reductions in rates of opioid mortality, related hospitalizations, and fills of prescription opioids and that the opioid epidemic has transitioned to use of heroin and other illicit opioids. What do these competing trends mean in terms of cannabis' role in the opioid crisis? This presentation centers on what we do and do not know scientifically about the role of cannabis policy in addressing the opioid crisis.
4:15 PM – 4:30 PM California Ballroom	Wrap-Up and Announcements

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DAILY SCHEDULE

WEDNESDAY, JANUARY 30*

7:45 AM – 8:45 AM California Foyer	Continental Breakfast
8:00 AM – 12:00 PM California Foyer	Registration Open
9:00 AM – 11:00 AM San Diego	Poster Presentations Open
9:00 AM – 10:00 AM KEYNOTE California Ballroom	Public Health Cannabis Monitoring and Surveillance in an Era of Legalization <i>Emerging Research and Epidemiological Data</i> Gillian Schauer, Multi-State Collaborative on Cannabis and Public Health; Julia Dilley, Multnomah County and Oregon Public Health Division; Hanan Abramovici, Health Canada, Ottawa; Susan Weiss, National Institute on Drug Abuse; Althea Grant-Lenzy, Centers for Disease Control and Prevention Legalization of cannabis for medical or adult use is expanding in the United States and in other countries. This panel presentation, moderated by Susan Weiss, brings together national and international experts to discuss the most important considerations for cannabis surveillance to inform public health policy.
10:00 AM – 10:30 PM	Break
10:30 AM – 12:00 PM BREAKOUT E1 Santa Barbara	The Impact of Legalization on the Environment <i>Public Safety</i> <i>Governance, Federal Law, and Emerging Policy</i> <i>Health Equity</i> The Environmental Impact of Cannabis Liberalization Tony Silvaggio, Humboldt Institute for Interdisciplinary Marijuana Research The study presented in this session evaluates the environmental policy dimensions of liberalization efforts and outlines a set of policy recommendations for regulators and industry to consider. Gold Rush to Green Rush: Marijuana Cultivation on Yurok Land Kaitlin Reed, University of California, Davis; Dartmouth College Yurok tribal lands in northwestern California are currently under siege by illicit marijuana production. This session discusses social and environmental justice strategies the Yurok Tribe has used to actively resist the “Green Rush.”
10:30 AM – 12:00 PM BREAKOUT E2 Hollywood	All Youth Are Not At-Risk: Using Psychographic Segmentation <i>Prevention and Education</i> Jeffrey Jordan, Rescue: The Behavior Change Agency This session will review peer crowd segmentation science and how it can be used to develop and implement relevant and effective prevention campaigns. Examples from teen public health campaigns will be discussed.

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WEDNESDAY, JANUARY 30* (CONTINUED)

10:30 AM – 12:00 PM BREAKOUT E3 Beverly	Sex, Gender, and Cannabis: Equitable Approaches <i>Prevention and Education</i> <i>Health Effects</i> Translating Evidence on Cannabis, Alcohol, and Reproduction Lorraine Greaves, Nancy Poole, and Natalie Hemsing, Centre of Excellence for Women's Health From a review of academic literature published in the past decade, learn how alcohol and cannabis use during pregnancy differ with respect to health impacts and policy and practice implications. Sex, Gender, and Cannabis: A Scoping Literature Review Lorraine Greaves, Nancy Poole, and Natalie Hemsing, Centre of Excellence for Women's Health Emerging evidence on the influence of sex and gender on patterns of use and the health effects of cannabis will be presented.
10:30 AM – 12:00 PM BREAKOUT E4 Beaudry A	Effects of Adolescent Exposure to Cannabinoids, and Co-Exposure to Cannabinoids and Nicotine <i>Emerging Research and Epidemiological Data</i> <i>Health Effects</i> Effects of Adolescent Cannabinoid and Nicotine Exposure Christie Fowler, University of California, Irvine The presenter will discuss recent findings suggesting that adolescent co-exposure to nicotine and cannabinoids can alter later affective behaviors and nicotine dependence in a sex-specific manner during adulthood. Psychosocial and Cognitive Outcomes of Youth Cannabis Use Natalie Castellanos Ryan, Université de Montréal To clarify the association between adolescent cannabis use and later cognitive and psychosocial functioning, the presentation will review the current literature and discuss two longitudinal studies.
10:30 AM – 12:00 PM BREAKOUT E5 San Gabriel	Cannabis Research in Mexico Panelists to be announced; organized by Manuel Ruiz de Chavez, Comisión Nacional de Bioética de México (National Bioethics Commission of Mexico)
10:30 AM – 12:00 PM BREAKOUT E6 Emerald Bay	States Responses to the Ongoing Opioid Crisis Camille Gourdet and Kevin Conway, RTI International Presenters will explore a study on cannabis substitution for prescription opioids and other drugs, as well as new state policies allowing opioid use disorder and opioid replacement as a qualifying medical condition.
10:30 AM – 12:00 PM BREAKOUT E7 Palos Verdes	Clearing the Smoke: Vaping Marijuana among Adolescents—Recent Trends and Implications <i>Emerging Research and Epidemiological Data</i> Alexandra Kritikos, Student at Brandeis University This presentation focuses on recent trends of cannabis use among youth, how cannabis is complemented with other substances, the role vaporizers play, and policy decisions that could impact adolescent cannabis use.

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DAILY SCHEDULE

WEDNESDAY, JANUARY 30* (CONTINUED)

10:30 AM – 12:00 PM BREAKOUT E8 Avalon	Access to Economic Opportunities: Lessons from Washington State <i>Governance, Federal Law, and Emerging Policy</i> <i>Health Equity</i> Anne Tseng, Michele Cadigan, and Alexes Harris, University of Washington Learn about a study that examines opportunities and constraints within cannabis markets and investigates how regulatory systems create structural conditions that allow only certain people to enter the market.
10:30 AM – 12:00 PM BREAKOUT E9 Beaudry B	Cannabis Regulation: Equitable Policymaking and a Blueprint from Alcohol <i>Governance, Federal Law, and Emerging Policy</i> <i>Health Equity</i> A Blueprint for Cannabis Regulation: Lessons from Alcohol Steve Schmidt, National Alcohol Beverage Control Association The cannabis regulatory debate has direct parallels to the repeal of federal prohibition on alcohol. This session will focus on recommendations outlined in a historic analysis and assess the potential policy implications for cannabis today. Equitable Policymaking Across Cannabis and Tobacco Maya Hazarika Watts, ChangeLab Solutions This session will highlight socioeconomic disparities in smoking and smoking-related harm. It will also address how cannabis legalization and related equity considerations present unique opportunities and challenges for the tobacco control movement.
10:30 AM – 12:00 PM BREAKOUT E10 Santa Anita	Strengthening Cannabis Regulation at the Local Level <i>Regulatory Issues</i> <i>Health Equity</i> Critical Issues Regarding City-County Marijuana Regulations William Perno, Social Advocates for Youth (SAY) San Diego This workshop will discuss local-level regulatory issues associated with marijuana sales and production facilities. Participants will learn how to engage local decision makers to create local regulations. Local Approaches to Cannabis Regulation in California Leslie Zellers, Public Health Policy & Law This session will explain how communities are exceeding state law. Local ordinances may be better equipped to respond to diverse local needs and can motivate the state to strengthen its approach.
12:00 PM – 12:15 PM	Pick Up Lunch (California Foyer)
LUNCH & LEARN SESSIONS Enjoy your lunch in a relaxed and interactive learning environment.	

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WEDNESDAY, JANUARY 30* (CONTINUED)

12:15 PM – 1:15 PM LUNCH & LEARN WL1 Emerald Bay	Why You Should Tell a Reporter All Your Secrets <i>Prevention and Education</i> Dan Adams, <i>The Boston Globe</i> Find out why policymakers, regulators, and researchers benefit from a strong relationship with a reporter covering their area of interest, especially when it is cannabis, and how to positively influence public health.
12:15 PM – 1:15 PM LUNCH & LEARN WL2 Santa Anita	Let's Stay Connected: Building a Cannabis Network <i>Emerging Research and Epidemiological Data</i> Jane Allen, RTI International Join us as we begin the process of building a collaborative cannabis network focused on what participants would want, the technologies available, and how different platforms might promote specific types of communication.
12:15 PM – 1:15 PM LUNCH & LEARN WL3 San Gabriel	Design Considerations for Legalizing Cannabis <i>Governance, Federal Law, and Emerging Policy</i> Beau Kilmer, RAND Corporation The consequences of cannabis legalization on health, safety, and social equity outcomes will depend on several design considerations—discuss some of these decisions and how they are addressed in various jurisdictions.
12:15 PM – 1:15 PM LUNCH & LEARN WL4 Santa Barbara	What if Marijuana Were NOT a Schedule 1 Drug?: Legal and Policy Implications <i>Governance, Federal Law, and Emerging Policy</i> Kerry Cork and Hudson Kingston, Public Health Law Center Examine the legal and policy implications if the U.S. Government were to remove marijuana and tetrahydrocannabinols from Schedule 1 classification and eliminate federal criminal penalties for most marijuana-related offenses.
12:15 PM – 1:15 PM LUNCH & LEARN WL5 Avalon	Regulatory Approaches and Issues: the California Perspective <i>Regulatory Issues</i> Mark Starr, California Department of Public Health; Lori Ajax, California Department of Consumer Affairs; Richard Parrot, California Department of Food and Agriculture This session provides an overview of the regulatory environment of implementation for cannabis safety in California. This will be of interest to other jurisdictions approaching the oversight of cannabis production and distribution.
1:15 PM – 1:30 PM	Break

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DAILY SCHEDULE

WEDNESDAY, JANUARY 30* (CONTINUED)

1:30 PM – 3:00 PM BREAKOUT F1 Avalon	Driving Under the Influence: What Do We Know? <i>Public Safety</i> Cannabis Legalization and Driving Under the Influence Lauren Dutra, RTI International The presenter will explore U.S. policies on driving under the influence of cannabis (DUI), the prevalence of DUI in a national sample, and the relationship between legalization and DUI. Marijuana-Impaired Driving: What the Data Shows Phillip Drum, AALM This session will review THC pharmacology and its impact on driving skills, the world's THC-impaired driving literature, and comparisons to alcohol-impaired driving and differences in impaired driving laws.
1:30 PM – 3:00 PM BREAKOUT F2 San Gabriel	Los Angeles County: Community Engagement and Health Impact Assessment <i>Prevention and Education</i> <i>Emerging Research and Epidemiological Data</i> <i>Health Equity</i> It Takes a Village: Engaging the Community to Prevent Underage Cannabis Availability Yolanda Cordero, Los Angeles County Department of Public Health, SAPC This workshop highlights the L.A. Department of Public Health, Substance Abuse Prevention and Control's (SAPC) prevention service portfolio with the enactment of the Adult Use of Marijuana Act in Los Angeles County. Health Impact Assessment of Cannabis Regulation in LA County Will Nicholas, Los Angeles County Department of Public Health The presenter will discuss a health-impact assessment being conducted on cannabis regulation, which will assess potential health impacts of decisions under the purview of a proposed cannabis commission.
1:30 PM – 3:00 PM BREAKOUT F3 Palos Verdes	Retail Marijuana in Colorado: Lessons Learned <i>Prevention and Education</i> Jessica Neuwirth, Colorado Department of Public Health and Environment Colorado continues to adapt policies to meet emerging challenges to public health and safety. This session will present research, trends, current efforts, challenges, and lessons learned from the first state to legalize cannabis.
1:30 PM – 3:00 PM BREAKOUT F4 Beverly	Juvenile Marijuana Arrests in the Era of Adult Legalization <i>Emerging Research and Epidemiological Data</i> <i>Health Equity</i> Caislin Firth, University of Washington In Oregon, youth are exposed to a retail marijuana market, yet marijuana remains an illegal substance for them. Presenters will share impacts of adult legalization on juvenile justice trends and racial/ethnic disparities.

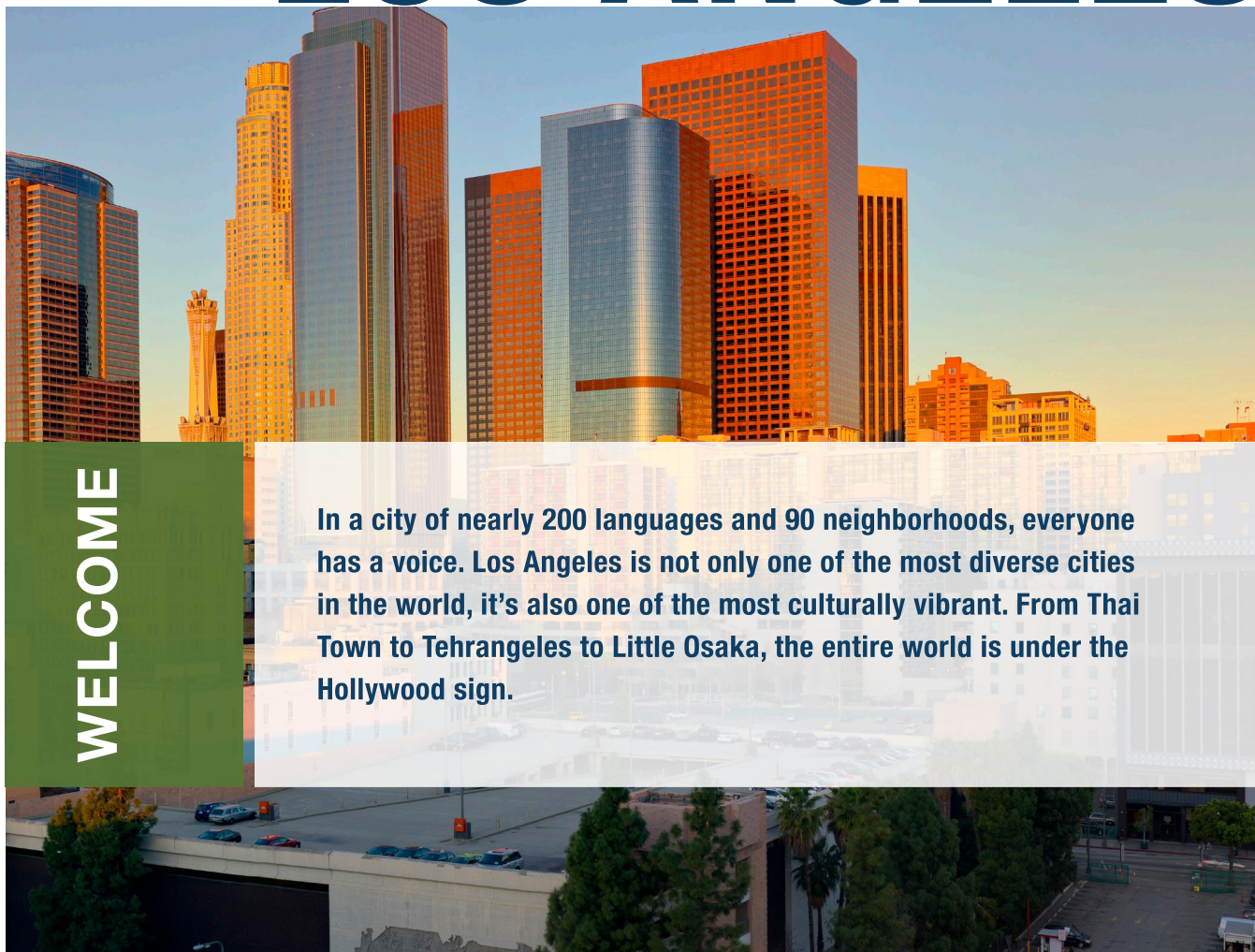
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WEDNESDAY, JANUARY 30* (CONTINUED)

1:30 PM – 3:00 PM BREAKOUT F5 Beaudry A	Regulation of Cannabis in Smoke-Free Laws in California <i>Governance, Federal Law, and Emerging Policy</i> Judith Prochaska, Stanford University; Lisa Henriksen and Eric Daza, Stanford Prevention Research Center; Maya Hazarika Watts, Leslie Zellers, Darlene Huang, and Melissa Peters, ChangeLab Solutions This session will discuss an epidemiologic study of California cities and counties that included cannabis in their smoke-free ordinances. Model ordinance language will be shared.
1:30 PM – 3:00 PM BREAKOUT F6 Beaudry B	Cannabis and Mental Health <i>Health Effects</i> <i>Health Equity</i> Adolescent Cannabis Use, Depression, and Anxiety in LGB Youth Kira London-Nadeau, Université de Montréal The presenter will discuss a study that explores the links between cannabis use and depression and anxiety at ages 13, 15, and 17 years in heterosexual and lesbian, gay, and bisexual youth. New Cannabis Use Disorder Guidelines for Older Adults Amy Porath, Canadian Centre on Substance Use and Addiction; Rand Teed, Rand Teed Consulting; Andra Smith, University of Ottawa; Jonathan Bertram, Centre for Addiction and Mental Health This session will discuss guidelines for preventing, screening, assessing, and treating cannabis use disorder among seniors, as well as a process for incorporating the voices of those with lived experience.
1:30 PM – 3:00 PM BREAKOUT F7 Santa Anita	Analysis of Cannabis Retailers' Advertising Tactics <i>Regulatory Issues</i> Meghan Moran, Johns Hopkins Bloomberg School of Public Health As cannabis becomes legalized in various locations, cannabis marketing presents an unexplored regulatory landscape. Learn more about a study that examined how cannabis is marketed on the websites of retailers.
3:00 PM – 3:15 PM	Break
3:15 PM – 4:15 PM KEYNOTE California Ballroom	Perspectives on Moving Forward: What's Next Across North America? <i>Governance, Federal Law, and Emerging Policy</i> Andrew Freedman, Freedman and Koski, Inc., Denver, CO, U.S.A.; Manuel Ruiz de Chavez, Comisión Nacional de Bioética de México (National Bioethics Commission of Mexico), Mexico City; TBA, Health Canada, Cannabis Legalization and Regulation Branch This closing panel will address perspectives on opportunities and challenges in evolving cannabis legalization approaches across North America.
4:15 PM – 4:30 PM California Ballroom	Concluding Remarks, Evaluation, and Adjourn Dan Adams, <i>The Boston Globe</i>

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EXPLORE LOS ANGELES



WELCOME

In a city of nearly 200 languages and 90 neighborhoods, everyone has a voice. Los Angeles is not only one of the most diverse cities in the world, it's also one of the most culturally vibrant. From Thai Town to Tehrangeles to Little Osaka, the entire world is under the Hollywood sign.



DINNER AROUND TOWN



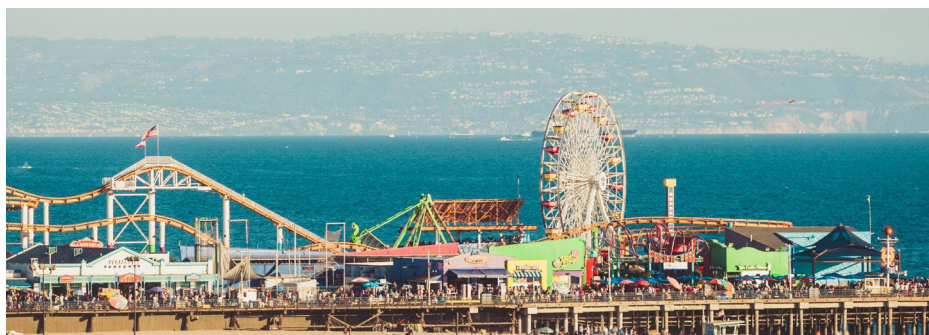
GETTING AROUND TOWN



DRINKS AND
ENTERTAINMENT



BEACHES



EXPLORE LOS ANGELES

Welcome to Los Angeles, one of America's major arts, fashion, film, nature, and culinary centers. It's home to miles of beaches, boardwalks, and beachside communities—each with a unique personality. Enjoy the glitz of Hollywood and the glamor of Rodeo Drive; every type of food and restaurant imaginable; a host of nightly options for music, theater, dance, and nightlife; countless museums and diverse neighborhoods to explore; and attractions such as Universal City Walk Hollywood, the Getty Center, Santa Monica Pier, the Hollywood Walk of Fame, the iconic Hollywood sign, Griffith Park and Observatory, Venice Beach and boardwalk, and TCL Chinese Theater.



EXPLORE

Whether you prefer the out-of-doors, celebrity sightings, adventure, or relaxation, Los Angeles' options for sight-seeing are endless. Options within walking distance of the hotel include Bunker Hill Steps, the Museum of Contemporary Art, the architectural wonder of Walt Disney Concert Hall, Los Angeles Central Library, OUE Skyspace LA, the Performing Arts Center of Los Angeles County, and LA Walking Tours.



EAT

Los Angeles boasts many of the nation's finest restaurants and most renowned chefs, in addition to every type of ethnic food possible, food trucks with innovative offerings, and countless stands and trucks with authentic Mexico-style street tacos. You will find dozens of restaurants within walking distance of the Bonaventure, along with coffee shops, delis, juice bars, and bakeries. You can even join a sidewalk food tour of the city for an insider's take on "must eats." Some of the more upscale options within walking distance include LA Prime (at the hotel), Café Pinot, 71 Above, Olive Branch, and Nick & Steph's Steakhouse. More casual or eclectic eateries include Mendocino Farms, Colori Kitchen, Angry Chef (at the hotel), and Nickel Diner.

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THE **CONVERSATION** IS
IMPORTANT TO ESTABLISHING
A PUBLIC HEALTH AND BEST
PRACTICE APPROACH TO
OVERSIGHT AND REGULATION
OF THE EMERGING LEGAL
CANNABIS MARKETPLACE.**

– Neal Shifman, President and CEO,
Advocates for Human Potential, Inc.