Reporting Dietary Exposures and Metabolism of PAHs from Traditionally Smoked Salmon

AUTHOR(S): Primary: Greta Frey, freyg@onid.oregonstate.edu, 208-861-0396, Diana Rohlman, diana.rohlman@oregonstate.edu, 541-737-4374

PRESENTATION FORMAT: 15 minute oral presentation

TOPIC/TARGET AUDIENCE: Community based participatory researchers and aspiring researchers

ABSTRACT: Community-based participatory research includes collaboratively designed research, and often includes considerations for reporting and sharing data. The Superfund Research Program at Oregon State University (OSU) collaborated with the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) to investigate polycyclic aromatic hydrocarbons (PAHs) exposure that occurs from ingestion of traditionally smoked salmon. Traditionally smoked salmon is a staple and valued food for CTUIR members, yet the smoking process results in high levels of PAHs in the fish. CTUIR members were concerned about these exposures and asked OSU researchers to study the bioavailability and metabolism of PAHs consumed. Nine CTUIR members were recruited to participate in a PAH metabolism study, in which participants ate 50 grams of traditionally smoked salmon and contributed 5 urine samples over a 24- hour period. During recruitment, participants requested their results. This presentation reports best practices used to design reports that communicated the findings in a manner that was clear, culturally sensitive, did not cause harm and was useful to the participants. Results were presented in visual and text form and individual data were contextualized within the study population. Reports were designed to incorporate feedback from researchers, tribal liaisons and outreach and engagement specialists.

OBJECTIVE(S): Learners will be able to identify a key component of best practices for reporting data back to study participants.

PRIMARY CONTACT INFORMATION:
Greta Frey, BS
Graduate Research Assistant
Oregon State University
Corvallis, OR
208-861-0396 | freyg@onid.oregonstate.edu

CO-PRESENTER(S):
Diana Rohlman | diana.rohlman@oregonstate.edu