



COURSE NUMBER

FHWA-NHI-380119



COURSE TITLE

Developing Quality Crash Modification Factors

This is an interactive virtual classroom training that alternates between self-paced Web-based training and live instructor-led virtual classroom sessions, spanned over four weeks. Live sessions are held on Tuesdays and Thursdays 1 - 2:30 pm EDT on September 25, 27 October 2, 4, 9, 11, 16, 18. *The September 2018 session is provided to participants at no cost by the Office of Safety.* Future sessions will be \$300 per person.

The science of safety has evolved over time, such that researchers have employed more rigorous study designs, resulting in more consistent and reliable results of countermeasure effectiveness. There are currently almost 1000 countermeasures, with over 6,100 different Crash Modification Factors (CMFs) in the CMF Clearinghouse. However, just over 250 of the CMFs are recognized as "high quality" based on the CMF Clearinghouse quality criteria.

The goal of this interactive virtual classroom is to enable you to develop and document quality CMFs. The course provides practical application of various CMF development methods and appropriate documentation of CMF study results. The course is divided into two parts. Part 1 will provide the fundamentals of CMF development, and Part 2 will cover the more advanced concepts and allow you to practice employing the various methods.

The course features self-paced Web-based training (WBT) modules and assignments to be completed independently, interspersed with eight instructor-led virtual classroom sessions, during which you will interact with peers and your instructor.

To enroll in this virtual training course, select the 'View Sessions' button and select 'Add To Cart' next to your session choice. If there are no upcoming sessions, select 'Sign Up for Session Alerts.'

OUTCOMES

Upon completion of the course, participants will be able to:

- Identify the various study designs used to develop CMFs, their data needs, and associated strengths and limitations
- Select an appropriate study design based on the resources and quantity/quality of data available
- Apply the various methodologies to develop CMFs and assess the quality of the results
- Report the salient information for any new CMFs developed so that others may properly assess the applicability and quality of the CMFs

TARGET AUDIENCE

The target audience for this virtual training includes those involved with the development of CMFs, including those responsible for providing, merging, and analyzing the data as well as those responsible for providing specific background information on the countermeasures of interest. This could include state or local transportation agencies, as well as their consultants or university support. Participants of this course should have prior experience with CMFs and have a basic understanding of statistical concepts.

TRAINING LEVEL: Basic

FEE: 2018: \$300 Per Person; 2019: N/A

LENGTH: 17 HOURS (CEU: 1.7 UNITS)

CLASS SIZE: MINIMUM: 10; MAXIMUM: 30

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