



INDIANA UNIVERSITY

BORKENSTEIN  
COURSE

Center for Studies  
*of Law in Action*

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## Retrograde Extrapolation of a BAC

by

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## Abstract

*How can a BAC at a previous time be estimated from a measured BAC?*

Occasionally estimation is desired of a concentration of alcohol at some time previous to the time when an analysis for it is made. Courts who request this want to know what the BAC was at the time when driving was observed. Certain assumptions must be made and several variables considered, before such an estimation can be made. This workshop will survey these assumptions and variables and describe the pharmacokinetic parameters involved in retrograde extrapolation. Sample cases will also be discussed.

### OUTLINE:

#### PHARMACOKINETICS:

1. Drinking history and assumptions re: drinking
2. Factors affecting the rate of absorption
2. Estimating the time to peak and the post-absorptive state
3. Rate of biotransformation.

#### CASE STUDIES: