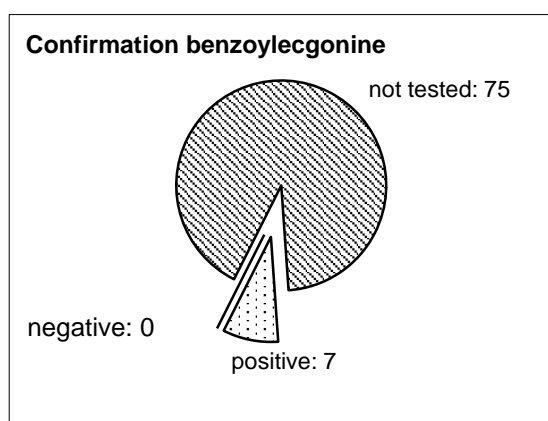
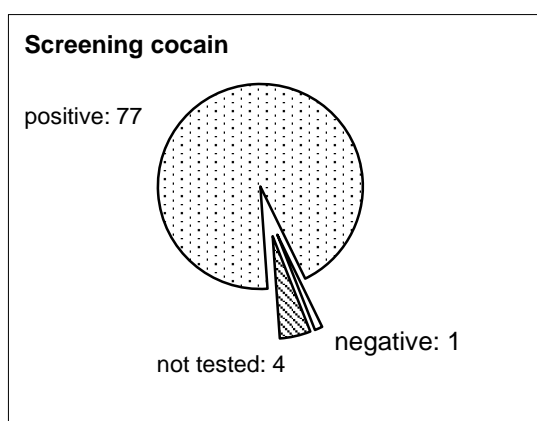


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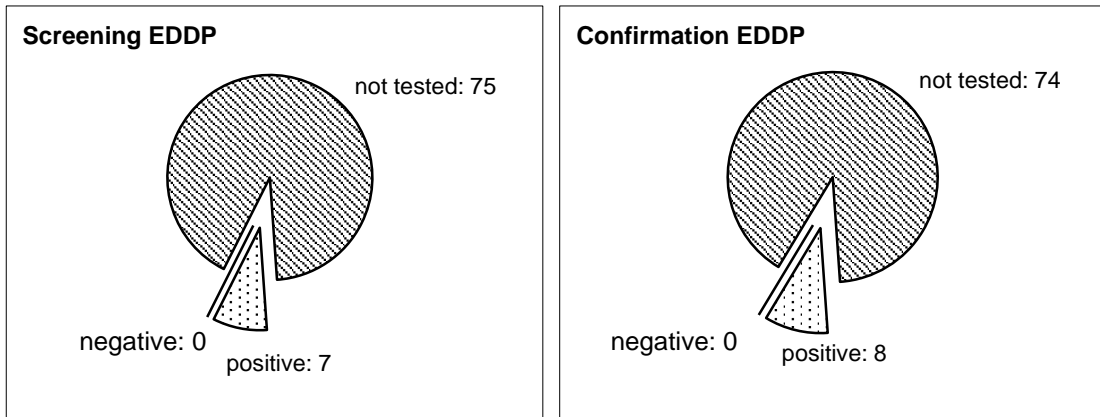
Composition: urine spiked with benzoylecgonine 593 µg/l, EDDP 292 µg/l and desalkylflurazepam 501 µg/l.

Results:

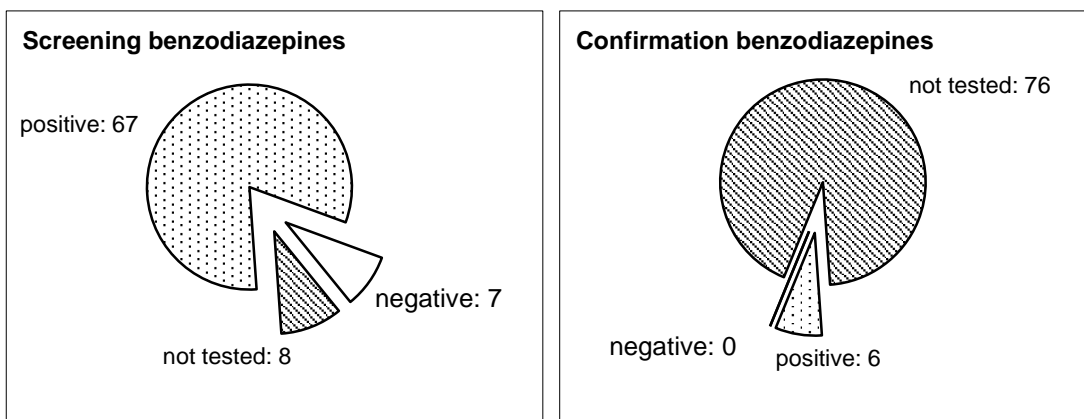
Cocain: screening positive (>300 µg/l)					
Summary statistics:					
number of laboratories: 82					
<i>screening:</i>	pos.	neg.	not tested	FP*	FN*
	77=94%	1=1%	4=5%	0	1=11%
<i>confirmation:</i>	pos.	neg.	not tested		
benzoylecgonine	7=9%	0=0%	75=91%	0	0



Methadone: screening negative (<300 µg/l), EDDP positive (>100 µg/l)					
Summary statistics:					
number of laboratories: 82					
<i>screening:</i>	pos.	neg.	not tested	FP*	FN*
methadone	2=2%	62=76%	18=20%	2=3%	0
EDDP	7=9%	0=0%	75=91%	0	0
<i>confirmation:</i>	pos.	neg.	not tested		
methadone	2=2%	4=5%	76=93%	2=33%	0
EDDP	8=10%	0=0%	74=90%	0	0



Benzodiazepines: screening positive (>200 µg/l)					
Summary statistics:					
number of laboratories: 82					
<i>screening:</i>	pos.	neg.	not tested	FP*	FN*
	67=82%	7=9%	8=10%	0	7=9%
<i>confirmation:</i>	pos.	neg.	not tested		
	6=7%	0=0%	76=93%	0	0



Discussion by dr. T.M. Bosch:

This sample contained benzoylecgonin 593 µg/L, EDDP 292 µg/L and desalkylflurazepam 501 µg/L.

There are 7 laboratories that reported negative for benzodiazepine screening. What is striking about both sample A and sample B is that not everyone has entered the type of test. It is important to see how certain test types score. There is also an enormous spread (in both samples) in the (semi-) quantitative immunoassay results (from approximately <500 for types 2f and 4 to > 5000 for among others type 3). This is because the cross reactivity of these benzodiazepines differs from the calibrators per test type. This can lead to negative results while the test has been perfectly performed by the participant. The confirmations are good in terms of quantification, although 3

laboratories do not specify a value in the confirmation. The question is whether this has not been a "screening".

In total there are only 14 laboratories that test, screen and confirm for EDDP. The rest of the laboratories will therefore miss methadone use in this case.

Laboratory 3260 does not score well with the benzoylecgonine either. The other laboratories have all reported a positive result for cocaine / benzoylecgonine. The quantification at the confirmation is reasonable.