

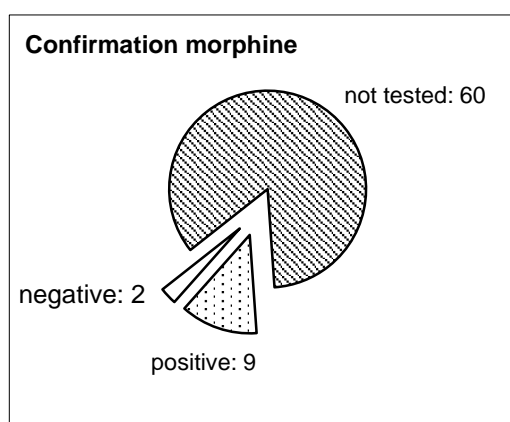
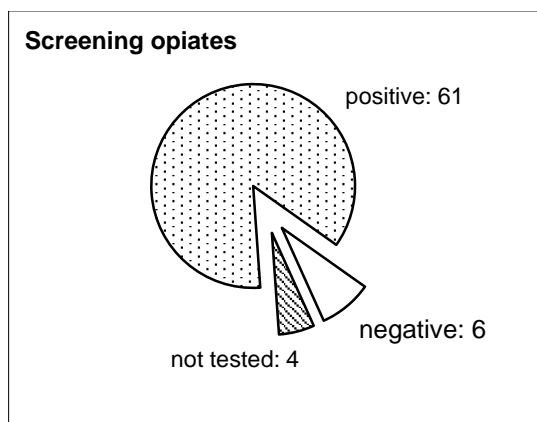
DOA Round 2016.3A

Casus: Sample for a routine drug screening.

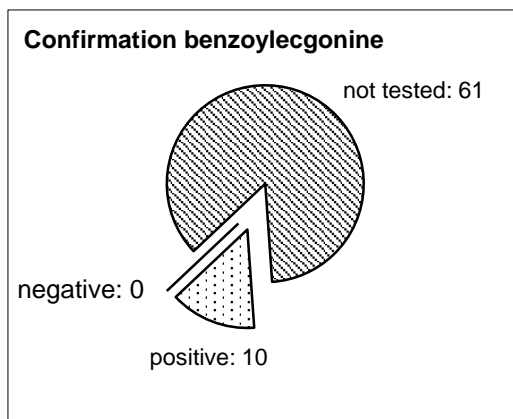
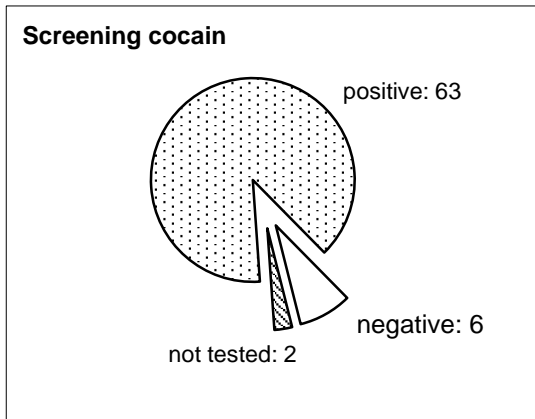
Composition: urine spiked with morphine 415 µg/l and benzoylecgonine 413 µg/l

Results:

Opiates: screening positive (>300 µg/l)					
Summary statistics:					
number of laboratories: 71					
screening:	pos.	neg.	not tested	FP*	FN*
	61=86%	6=8%	4=6%	0	6=9%
confirmation:	pos.	neg.	not tested		
6-MAM	0=0%	6=8%	65=92%	0	0
morphine	9=13%	2=3%	60=85%	0	2=19%
codeine	0=0%	7=10%	64=90%	0	0



Cocain: screening positive (>300 µg/l)					
Summary statistics:					
number of laboratories: 71					
screening:	pos.	neg.	not tested	FP*	FN*
	63=89%	6=8%	2=3%	0	6=9%
confirmation:	pos.	neg.	not tested		
benzoylecgonine	10=14%	0=0%	61=86%	0	0



Discussion by drs. P.G.M. Zweipfenning:

This was blanc urine with morphine 415 µg/l and benzoyllecgonine 413 µg/l.

Two quite straight forward substances well (30%) above the most frequently used cut-off values (300 µg/l for both substances).

However, 6 labs missed "opiates" and also 6 missed "cocain". Striking is that the lab numbers 81, 96, 3132, 3169 and 3612 report both substance groups wrong. 5 out of 6 used type 6c (Triage) and 1 a test on a Beckman-Coulter machine. These 6 should evaluate their chemistry and there administrative process.

Lan 284 reports "cocain dubious". That could be all right in a clinical setting, but with routine DOA screening only "POS" or "NEG" are expected.