

POLICE — CANNABIS — AUTOPSIES

1647. Hon Dr Brian Walker to the minister representing the Minister for Police:

I thank the Minister for his response to my question on 8 August 2023 on road fatalities involving cannabis, which attracted some interest from our friends in the media and noting the 27 cases in 2021 and the 29 cases in 2022 (as per the Ministers answer), and I ask:

- (a) how many of those cases involved cannabis alone;
- (b) how many cases involved cannabis in conjunction with other drugs and or alcohol;
- (c) in search of a complete picture, how many of the remaining cases that did not involve cannabis (94 in 2021 and 95 in 2022) had traces of other drugs and or alcohol;
- (d) which substances in , were identified; and
- (e) what quantities of substances were found in ?

Hon Stephen Dawson replied:

The Western Australia Police Force advise:

- (a) Cases involved cannabis alone
2021: 1
2022: 3
- (b) Cases involved cannabis in conjunction with drugs and/or alcohol
2021: 26
2022: 26
- (c) Cases that did not involve cannabis that had traces of other drugs and/or alcohol
2021: 70 of the 90 remaining cases, current as of 18 October 2023
2022: 74 of the 95 remaining cases, current as of 18 October 2023

The case numbers provided to you previously for question on notice LC1474 on 13 June 2023 have been revised as it was identified that the number for 2021 included four (4) non-drivers and these have now been removed from the dataset. The updated totals for drivers found not to have traces of cannabis in their system at the time of their deaths are 90 cases in 2021.

- (d)–(e) Please refer to below tables.

2021	
Substances Identified	Detected (Range)
7-Aminoclonazepam	Approximately 0.1 mg/L
Alcohol	Less than 0.01% to 0.357%
Amiodarone	Yes – no range available
Amiodarone & Metabolite	Yes – no range available
Amitriptyline	Approximately 0.04 mg/L
Amitriptyline/Nortriptyline Metabolites	Yes – no range available
Amlodipine	Indicated, approximately 0.02 mg/L to 0.08 mg/L
Amphetamine	0.02 mg/L to 0.27 mg/L
Amphetamine & Methamphetamine	Yes – no range available
Apixaban	Yes – no range available
Atenolol	Yes – no range available
Benzoyl Ecgonine	Approximately 0.1 mg/L to 1.6 mg/L
Bisoprolol	Yes – no range available
Buprenorphine	Yes – no range available
Carbon Monoxide	Less than 5% saturation to approximately 25% saturation

Celecoxib	Indicated, approximately 0.07 mg/L
Chlorpheniramine	Approximately 0.03 mg/L
Chlorpheniramine Metabolite	Yes – no range available
Citalopram	Approximately 0.1 mg/L to 0.2 mg/L
Citalopram And Metabolite	Yes – no range available
Citalopram Metabolite	Yes – no range available
Citalopram Metabolites	Yes – no range available
Cocaethylene	Yes – no range available
Cocaine	0.07 mg/L
Cocaine & Metabolites	Yes – no range available
Codeine	Yes – no range available
Codeine (Free)	Less than 0.01 mg/L to 0.05 mg/L
Codeine (Total)	Less than 0.01 mg/L to 0.18 mg/L
Desmethyldiazepam	Approximately 0.01 mg/L to 0.2 mg/L
Desmethylvenlafaxine	Yes – no range available
Diazepam	Less than 0.01 mg/L to 0.09 mg/L
Dimethylamphetamine	Yes – no range available
Doxylamine	Yes – no range available
Duloxetine	Approximately 0.1 mg/L
Duloxetine Metabolite	Yes – no range available
Ecgonine Methyl Ester	Less than 0.01 mg/L to 0.6 mg/L
Ephedrine	Yes – no range available
Fentanyl	Less than 1 ug/L
Fluoxetine	Approximately 0.1 mg/L
Fluoxetine And Norfluoxetine	Yes – no range available
Frusemide	Indicated, approximately 0.5 mg/L to 2 mg/L
Gliclazide	Yes – no range available
Gliclazide Metabolite	Yes – no range available
Hydromorphone	0.01 mg/L
Ibuprofen	Indicated, less than 1 mg/L to approximately 3 mg/L
Ibuprofen Metabolite	Indicated – no range available
Ibuprofen Metabolites	Yes – no range available
Irbesartan	Approximately 0.3 mg/L
Irbesartan Metabolite	Yes – no range available
Ketamine	Yes – no range available
Ketamine And Metabolite	Yes – no range available
Lamotrigine	Approximately 0.4 mg/L
Levetiracetam	Yes – no range available
Lignocaine	Yes – no range available
Lignocaine And Metabolite	Yes – no range available
Meloxicam	Yes – no range available
Methylamphetamine	Approximately 0.03 mg/L to 2.5 mg/L

Extract from *Hansard*
[COUNCIL — Tuesday, 7 November 2023]
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Hon Dr Brian Walker; Hon Stephen Dawson

Methylamphetamine & Amphetamine	Yes – no range available
Methylenedioxymethylamphetamine (Mdma)	Less than 0.01 mg/L
Metoclopramide	Approximately 0.2 mg/L
Metoprolol	Yes – no range available
Midazolam	Approximately 0.03 mg/L
Mirtazapine	Approximately 0.1 mg/L
Mirtazapine And Metabolite	Yes – no range available
Mirtazapine Metabolite	Yes – no range available
Modafinil	Approximately 4 mg/L
Morphine	Yes – no range available
Morphine (Free)	Less than 0.01 mg/L
Morphine (Total)	Less than 0.01 mg/L to 0.03 mg/L
Naloxone	Yes – no range available
Naproxen	Approximately 7 mg/L
Naproxen And Metabolites	Yes – no range available
N-Desmethylvenlafaxine	Yes – no range available
Norfluoxetine	Approximately 0.02 mg/L
Nortriptyline	Approximately 0.02 mg/L
O-Desmethylvenlafaxine	Approximately 0.01 mg/L
Olanzapine	Approximately 0.3 mg/L
Ondansetron	Less than 0.01 mg/L to approximately 0.09 mg/L
Oxycodone	0.03 mg/L to 0.2 mg/L
Oxycodone And Metabolite	Yes – no range available
Oxycodone And Metabolites	Yes – no range available
Pantoprazole	Yes – no range available
Paracetamol	Less than 1 mg/L to 85mg/L
Promethazine	Approximately 0.03 mg/L
Promethazine Metabolite	Yes – no range available
Propranolol	Indicated – no range available
Pseudoephedrine/Ephedrine	Yes – no range available
Pseudoephedrine/Ephedrine Metabolite	Yes – no range available
Quetiapine	Yes – no range available
Quinine/Quinidine	Approximately 0.2 mg/L
Rivaroxaban	Yes – no range available
Salbutamol	Yes – no range available
Salicylates	Yes – no range available
Salicylic Acid	Indicated, less than 1 mg/L to approximately 1 mg/L
Sertraline	Approximately 0.7 mg/L
Sertraline Metabolites	Yes – no range available
Tapentadol	Up to approximately 5 mg/L
Telmisartan	Approximately 0.2 mg/L
Temazepam	Approximately 0.02 mg/L

Timolol	Yes – no range available
Tramadol	Approximately 0.2 mg/L to 1.5 mg/L
Tramadol And Metabolite	Yes – no range available
Tramadol And Metabolites	Yes – no range available
Tramadol Metabolite	Yes – no range available
Trimethoprim	Yes – no range available
Varenicline	Yes – no range available
Vecuronium	Indicated – no range available
Venlafaxine	Approximately 0.09 mg/L
Venlafaxine And Metabolite	Yes – no range available
Warfarin	Yes – no range available

2022	
Substances Identified	Detected (Range)
Alcohol	0.01% to approximately 0.43%
Amiodarone	Yes – no range available
Amiodarone & Metabolite	Yes – no range available
Amitriptyline	Less than 0.01 mg/L to approximately 0.2 mg/L
Amitriptyline And Nortriptyline	Yes – no range available
Amitriptyline/Nortriptyline Metabolites	Yes – no range available
Amlodipine	Less than 0.01 mg/L to approximately 0.09 mg/L
Amphetamine	Less than 0.01 mg/L to approximately 1.7 mg/L
Amphetamine & Methamphetamine	Yes – no range available
Apixaban	Yes – no range available
Aripiprazole	Approximately 0.06 mg/L
Atropine	Yes – no range available
Bisoprolol	Yes – no range available
Caffeine	Approximately 5 mg/L to 8 mg/L
Carbon Monoxide	Up to 5% saturation
Celecoxib	Indicated, approximately 0.09 mg/L
Chlorpheniramine	Yes – no range available
Cinchocaine	Yes – no range available
Citalopram	Approximately 0.09 mg/L to 0.6 mg/L
Citalopram And Metabolite	Yes – no range available
Citalopram Metabolite	Yes – no range available
Citalopram Metabolites	Yes – no range available
Codeine	Yes – no range available
Codeine (Free)	0.03 mg/L to 0.13 mg/L
Codeine (Total)	0.11 mg/L to 0.63 mg/L
Codeine And Metabolite	Yes – no range available
Desloratadine	Yes – no range available

Desmethyldiazepam	Less than 0.01 mg/L to approximately 0.05 mg/L
Diazepam	Less than 0.01 mg/L to approximately 0.08 mg/L
Diazepam And Desmethyldiazepam	Yes – no range available
Diclofenac	Approximately 0.2 mg/L
Diclofenac Artefact	Yes – no range available
Dimethylamphetamine	Yes – no range available
Dothiepin	Approximately 0.05 mg/L
Dothiepin Metabolite	Yes – no range available
Doxylamine	Indicated – no range available
Duloxetine	Approximately 0.03 mg/L to 0.08 mg/L
Ephedrine	Yes – no range available
Ephedrine/Pseudoephedrine	Yes – no range available
Fentanyl	Yes – no range available
Fluconazole	Yes – no range available
Fluoxetine	Approximately 0.06 mg/L
Frusemide	Indicated, approximately 0.1 mg/L to 0.2 mg/L
Gliclazide	Yes – no range available
Haloperidol	Yes – no range available
Hordenine	Yes – no range available
Hydromorphone	Less than 0.01 mg/L to 0.05 mg/L
Hyoscine Butylbromide	Yes – no range available
Ibuprofen	Less than 1 mg/L to approximately 20 mg/L
Ibuprofen And Metabolites	Yes – no range available
Ibuprofen Metabolite	Yes – no range available
Ibuprofen Metabolites	Yes – no range available
Irbesartan	Approximately 1 mg/L
Irbesartan Metabolites	Yes – no range available
Ketamine	Yes – no range available
Ketamine And Metabolite	Yes – no range available
Ketamine And Metabolites	Yes – no range available
Lamotrigine	Approximately 5 mg/L
Laudanosine	Yes – no range available
Levetiracetam	Yes – no range available
Lignocaine	Yes – no range available
Lignocaine And Metabolite	Yes – no range available
Meloxicam	Yes – no range available
Methylamphetamine	0.03 mg/L to approximately 2 mg/L
Methylamphetamine & Amphetamine	Yes – no range available
Metoclopramide	Approximately 0.07 mg/L to 0.1 mg/L
Metoprolol	Approximately 0.3 mg/L to 0.8 mg/L
Metoprolol And Metabolite	Yes – no range available

Metronidazole	Yes – no range available
Midazolam	Less than 0.01 mg/L to approximately 0.09 mg/L
Midazolam And Metabolite	Yes – no range available
Midazolam Metabolite	Yes – no range available
Mirtazapine	Approximately 0.2 mg/L
Modafinil	Approximately 2 mg/L
Morphine	Yes – no range available
Morphine (Free)	Less than 0.01 mg/L to 0.30 mg/L
Morphine (Total)	0.02 mg/L to 0.38 mg/L
Naproxen	Indicated, approximately 0.05 mg/L to 30 mg/L
Naproxen Metabolites	Indicated – no range available
N-Desmethylvenlafaxine	Yes – no range available
Norfluoxetine	Approximately 0.06 mg/L
Norketamine	Yes – no range available
Nortriptyline	Approximately 0.01 mg/L to 0.09 mg/L
O-Desmethylvenlafaxine	Approximately 0.2 mg/L to 0.6 mg/L
Olanzapine	Yes – no range available
Omeprazole	Yes – no range available
Ondansetron	Less than 0.01 mg/L to 0.08 mg/L
Oxazepam	Approximately 0.07 mg/L
Oxymetazoline	Indicated – no range available
Pantoprazole	Yes – no range available
Paracetamol	Less than 1 mg/L to 25 mg/L
Paracetamol And Metabolite	Yes – no range available
Phentermine	Yes – no range available
Pholcodine	Yes – no range available
Piroxicam	Yes – no range available
Pregabalin	Approximately 10 mg/L
Propofol	Yes – no range available
Propranolol	Approximately 0.01 mg/L
Quetiapine	Less than 0.05 mg/L
Quetiapine Metabolite	Yes – no range available
Quinine/Quinidine	Approximately 0.06 mg/L to 0.1 mg/L
Ramipril Artefact	Yes – no range available
Ropivacaine	Approximately 0.04 mg/L to 1 mg/L
Ropivacaine Metabolite	Yes – no range available
Salbutamol	Yes – no range available
Salicylic Acid	Indicated, approximately less than 1 mg/L to 2 mg/L
Sertraline	Less than 0.08 mg/L to approximately 0.5 mg/L
Sertraline And Metabolite	Yes – no range available
Sertraline Metabolite	Yes – no range available

Sertraline Metabolites	Yes – no range available
Sitagliptin	Indicated – no range available
Tapentadol	Approximately 0.2 mg/L to 0.5 mg/L
Tapentadol And Metabolite	Yes – no range available
Telmisartan	Approximately 0.05 mg/L to 0.6 mg/L
Telmisartan Metabolite	Yes – no range available
Topiramate Artefact	Yes – no range available
Tramadol	Less than 0.4 mg/L to approximately 2 mg/L
Tramadol And Metabolites	Yes – no range available
Tramadol Metabolite	Yes – no range available
Vecuronium	Indicated – no range available
Venlafaxine	Approximately 0.3 mg/L