GP Webinar conducted by NSW Health 14 June 2023

The following slides were anonymously sent to the CCSN due to the GP's concern around how NSW Health was approaching this emerging health issue.

Interpretation

- Is it done in an appropriate sample?
 - Whole blood, plasma, urine (spot/24-hrs), hair, nail
- What is the result?
 - Qualitative or quantitative
 - Quantity/magnitude
 - Unit
- Is the finding significant?
 - Available toxic reference level?
 - Clinically significant?
- What is the application?
 - Inform management?
 - Counselling always

Agenda			1	
Priscilla Stanley – Director, Public Health. Western NSW Public Health Unit	1	GOVERNMENT	F	lealth
Jeff Standen – Director, Environmental Health Branch, Health Protection NSW	Ager	da		0
	Item	Topic	Da	Carriage
Dr Catherine Bateman – Medical Advisor. Environmental Health Branch, Health Protection NSW	1	 Welcome and Acknowledgement of Country 		Chair - Priscilla Stanley
	2	Background - Concerns, EPA respo Health input	nse, NSW	Catherine Bateman
Dr Thoping Francestelling Martinet	1.0	Toxicological considerations		Thanjira Jiranantakan
Dr Thanjira Jiranantakan - Medical Advisor, Centre for Alcohol and Other Drugs and NSW Poisons Information Centre	4	Discussion – questions and concerne		Al
Dr Paul Byleveld – Manager, Water Unit, Environmental Health Branch, Health Protection NSW				
	Click here to join the meeting			
		To be recorded		



Heavy metal testing in bio samples

- Testing for heavy metals should be done only when indicated.
- Interpretation of heavy metal detections in biological samples is a complex matter.
- There is limited evidence of health impacts from exposure to many heavy metals; hence, there is no established toxic reference level or guideline for management for most.

Unclear heavy metal testing and detections often cause significant and unnecessary concern to patients and families.

Many in the region have stated clearly in their feedback to the CCSN, that the lack of support by NSW Health has elevated significant and unnecessary concern, and an increase in stress for community members.

Management

- Cease exposure is essential
- Symptomatic treatment
- Chelation (rare)
 - For significant/severe toxicity rarely required
 - Non-specific to one type of heavy metal
 - Adverse reaction may be more toxic than heavy metals
 - Contraindicated if the source of exposure is unidentified
- Follow up
 - How often and long?
- Counselling
 - Significance, health impacts, intervention, plan

CCSN believes the heavy metal contamination is coming from a regional source that is out of our control to cease exposure. We believe the exposure to heavy metal contamination is airborne, the community does not have control on the ceasing of this exposure. It was also verbally shared by the anonymous GP that symptomatic treatment was in relation to Lead only.



For many in the community, perception is equalling reality with quantitative evidence in blood, 24 hour urine and hair samples showing single/multiple heavy metal contamination.