

LINDANE FOR HEAD LICE

Unintentional Poisoning in the west

► Continued from page 21

APPENDIX 1

CATEGORIES OF E CODES

8500-8589	Unintentional poisoning by drugs, medicinal substances and biologicals
8600-8609	Unintentional poisoning by alcohol, not elsewhere classified
8610-8619	Unintentional poisoning by cleansing and polishing agents, disinfectants, paints and varnishes
8620-8629	Unintentional poisoning by petroleum products, other solvents and their vapours, not elsewhere classified
8630-8639	Unintentional poisoning by agricultural and horticultural chemical and pharmaceutical preparations other than plant food and fertilizers
8640-8644	Unintentional poisoning by corrosives and caustics, not elsewhere classified
8650-8659	Unintentional poisoning from foodstuffs and poisonous plants
8660-8669	Unintentional poisoning by other and unspecified solid and liquid substances
867	Unintentional poisoning by gas distributed by pipeline
8680-8689	Unintentional poisoning by other utility gas and other carbon monoxide
8690-8699	Unintentional poisoning by other gas and vapours

group. There were more females than males (females: 57 per cent; males: 43 per cent), and females outnumbered males in most of the age groups except for children aged 9 and less.

In WSAHS, 52 per cent of the unintentional poisonings occurred in the home while it was 47 per cent in WAHS. In a fairly large proportion of cases the place of occurrence was not specified (WSAHS: 26 per cent; WAHS: 47 per cent).

The average length of stay generally increased with age. In WSAHS, males had longer average stays than females (males: 2.9 days; females: 2.5 days). It was the opposite in WAHS (females: 2.6 days; males: 1.5 days).

From the data reviewed it appears the emphasis on the prevention of unintentional poisoning should be directed toward the area of drugs and medicinal substances. Since the majority of poisonings occur at home, it would also be important to take this into account when planning prevention strategies.

It is intriguing that in both the health areas, the 15- to 24- and the 25- to 34-year groups have the highest number of separations due to drugs and medicinal substances. This is due to coding practices whereby some non-unintentional poisonings, such as attempted suicides, are coded as unintentional if certain criteria are met.

In both the health areas, separations due to accidental poisoning rank fifth in terms of total separations for all external causes (6-7 per cent). The vast majority of the unintentional poisonings are by drugs and medicinal substances, and in the most part occur in the home.

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Use of gamma benzene hexachloride (Lindane) for the treatment of head lice has been under discussion, but the director of the NSW Health Department's Toxicology Unit, Dr David Fox, has given an assurance that if used as intended the preparation is safe. He has sent this letter to all health areas and regions:

"The use of gamma benzene hexachloride (Lindane) for the treatment of head lice has been questioned.

The two main preparations used for this purpose have been Quellada and Lorexane and both are listed in Schedule 2 of the Poisons Act. This limits the concentration of Lindane to 2 per cent or less and its sale for the treatment of head lice is restricted to pharmacists and medical practitioners. It may also be sold by Poisons Licence holders, namely retail stores at least 20km from the nearest pharmacy.

Preparations of greater strength are Schedule 4 items, available only on doctor's prescription.

Quellada contains 1 per cent Lindane and Lorexane 0.2 per cent. For each preparation the recommended dose is 25ml per treatment. Repeat treatment in eight days is recommended for Lorexane. A second application of Quellada is said to be seldom required.

The use of Lindane was discussed recently at the Drugs and Poisons Scheduling Committee of the National Health and Medical Research Council (NH&MRC), which recommended retention of Lindane in Schedule 2.

A recent communication from the NH&MRC stated that absorption of Lindane through human skin is reported to be a maximum of 9.3 per cent of the applied dose and that there is little danger of accumulation as it has properties dissimilar to some other persistent organochlorines.

The NH&MRC also informs that published information on animal studies shows that Lindane is extensively metabolised and rapidly excreted. Even when fed continuously it does not significantly accumulate in the body.

It was also indicated that most purchasers of head lice products seek advice from pharmacists who do not recommend prophylactic use.

Most therapeutic agents have the potential to cause adverse effects if abused, and misuse is difficult to regulate. Lindane is no exception, but used as intended for head lice, it is safe."