Abstract

Data items formation for Investigating, deliberating and concluding cause of occupational disease

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Objective ： Since 1992, korea occupational safety and health Research Institute(KOSHRI) has been investigating the evidence which tells where worker's disease is occupational or not by the korea worker's compensation and welfare service' request. Even though the same diseases, collected evidence are shown different depending on the time or investigator's capability which will affect the final result of the decision. So to keep the professional level of investigation and evidence's objectivity and consistency, it needs to share reports which were written by KOHSRI since 1992. But most reports contains personal information which are difficult to open to the public, researcher and committees. So through case' reports analysis, we try to extract the required data items for sharing and minimize the disclosure of personal information.

Methods ： We use the life cycle model to confirm information requirements,

and to extract the required data items. we analyzed KOHSRI′S intranet, which is called epidemiology(legal term, not a scientific term) information management system. we examined the relevant documents, epidemiology committees guidelines, research protocol for occupational disease etc. we interviewed secretaries for committees. we analysed 8 breast cancer′s reports what is to divide reports′ sentences and extract the information word.

Results : The main data item in deliberation and conclusion from the investigation stage is hazard classification data by IARC, ACGIH etc. Occupational main hazard of breast cancer is shift work time including night, Group 2A by IARC. KOSHRI committee′s criteria is shift time(including night) with over 25 years. It is important data to estimated cumulative exposure dose in chemical hazard evaluation.

Conclusion : By suggesting the relevant data items, investigators maintain specialized research level and it is possible to consider the application of a consistent basis.

Key words : Data items, Investigating, Deliberating, Concluding