

ACTION REQUEST
Medical Services

FICHE DE SERVICE
Services médicaux

To: DR. WHEATLEY
À: _____

From: Director General
Du: Program Management

Directeur général
Gestion des programmes

Subject:
Sujet: _____

Date: JAN. 31/77

☐

Action
Exécution

☐

For your information
Pour votre information

☐

Comments
Commentaires _____

NO ACTION. FOR YOUR INFO.

A.B. MORRISON, Ph.D.

Assistant Deputy Minister

Sous-ministre adjoint

Health Protection Branch

Département de la Santé
Direction générale de la protection de la santé

TO
À

DR LYLE BLACK

DATE

Jan 27 MEDICAL SERVICES

☐

ACTION
DONNER SUITE

☒

INFORMATION
PRENDRE CONNAISSANCE

☐

COMMENT
COMMENTER

☐

SIGNATURE
SIGNER

☐

APPROVAL
APPROUVER

☐

RETENTION
RETENIR

☐

DIRECT REPLY
RÉPONDRE DIRECTEMENT

☐

COPY TO THIS OFFICE
NOUS RETOURNER COPIE

☐

AS REQUESTED
À VOTRE DEMANDE

☐

MAY WE DISCUSS
DISCUTER AVEC NOUS

☐

NOTE AND FILE
NOTER ET CLASSER

☐

NOTE AND RETURN
NOTER ET RETOURNER

☐

PREPARATION OF REPLY
RÉDIGER RÉPONSE VERS LE

19

FOR SIGNATURE OF

POUR LA SIGNATURE DE

REMARKS

REMARQUES

851-5-2

851-4-140

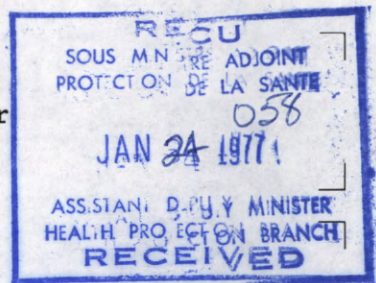
PR

TO
A

Dr. A.B. Morrison
Assistant Deputy Minister
Health Protection Branch

FROM
DE

Chief
Cancer Section
Bureau of Epidemiology
L.C.D.C.



SECURITY - CLASSIFICATION - DE SÉCURITÉ

OUR FILE - N/RÉFÉRENCE

311-C1-1

YOUR FILE - V/RÉFÉRENCE

DATE

January 20, 1977

SUBJECT
OBJETCancer Mortality in Yellowknife and Whitehorse

The attached table presents data concerning the observed and expected numbers of cancer deaths among residents of Yellowknife and Whitehorse for two time periods (1964-1968 and 1969-1973). The following points may be noted:

1. For the total population of Yellowknife, the only statistically significant result was an excess of all cancer deaths among females during the recent time period (Obs = 13, Exp = 7.4).
2. There was a significant excess of lung cancer deaths among Yellowknife males aged 25-64 during the early time period (Obs = 4, Exp = 1.3) but there was also an excess among males aged 25-64 in Whitehorse. In both municipalities, the excess of male lung cancer deaths was not repeated in the recent time period.
3. There was a significant excess of all cancer deaths among males in Whitehorse during the early but not the recent time period; the excess was observed both for all ages and the 25-64 age group.

The available data do not support a role for arsenic as a cause of excess cancer deaths in Yellowknife. However, further research is required particularly among occupationally-exposed males in Yellowknife. For example, lists of employees from 1948 forward could be linked to the national death index in Statistics Canada to determine the number and cause of deaths.

DTW/cl

Encl.

31 Jan 77
Noted
No return
Dr WHEATLEY for info
jan

Donald T. Wigle
Donald T. Wigle, M.D., Ph.D., M.P.H.

1/28/1

CANCER DEATHS, YELLOWKNIFE AND WHITEHORSE, 1964-1973

		<u>Yellowknife</u>				<u>Whitehorse</u>			
		<u>1964-1968</u>		<u>1969-1973</u>		<u>1964-1968</u>		<u>1969-1973</u>	
<u>Cause of Death</u>	<u>Sex</u>	<u>Obs.</u>	<u>Exp.</u>	<u>Obs.</u>	<u>Exp.</u>	<u>Obs.</u>	<u>Exp.</u>	<u>Obs.</u>	<u>Exp.</u>
<u>All Ages</u>									
Lung Cancer	M	4	22.4	6	33.3	5	33.0	8	6.3
	F	0	0.2	2	0.5	3	0.3**	2	0.9
All Cancer	M	9	10.7	15	12.1	20	13.0*	26	23.7
	F	6	5.0	13	7.4*	9	7.2	11	14.7
<u>25-64</u>									
Lung Cancer	M	4	1.3*	3	2.3	5	1.7*	5	4.0
	F	0	0.2	2	0.4	2	0.3*	1	0.7
All Cancer	M	6	4.8	8	7.6	13	6.2**	11	13.2
	F	1	3.6	12	5.4**	7	5.1	7	10.3

* $p < 0.05$)
 ** $p < 0.01$) probabilities based on Poisson distribution

Notes: (1) Obs = observed number of deaths among residents of the two municipalities; including deaths occurring elsewhere in Canada.

(2) Exp = expected number of deaths based on 1966-1971 populations by age and sex and the 1965-67 and 1970-72 average annual age-, sex-, cause-specific Canadian mortality rates.