

Interim Report 1 (July 1, 1995)

Update of Mortality Among Vinyl Chloride Workers

I. Study Staffing

At CMA's request, and in anticipation of a February 1, 1995 study start date, Applied Epidemiology, Inc., retained the data management services (50%) of Mr. Noess of SoftWhere, Inc., and recruited and hired (50%) another epidemiologist, Rose Luippold, M.S.

II. Data Acquisition

Applied Epidemiology, Inc. received 81 boxes from ENSR in early May. Because no inventory list accompanied any of the boxes, we examined the contents of all boxes, consolidated and transferred records to new boxes, created an inventory of contents, and moved the boxes to our storage facility. A copy of the inventory of the boxes we are currently storing is attached.

Nineteen of the 81 boxes contained data from an unrelated study. These will be shipped back to ENSR in the near future.

No data tapes, disks or files have been received by Applied Epidemiology, Inc. as of the date of this report. This has prevented us from making any progress toward construction of the relational database for the study, conducting the cohort verification, and replication of the results obtained by the previous contractor.

No death certificates have been received from ENSR as of the date of this report.

III. NDI Application

Application for search services by the National Center for Health Statistics, National Death Index, has been prepared by Dr. Ramlow, with minor assistance from Applied Epidemiology, Inc., and submitted on behalf of CMA.

IV. State Confidentiality Agreements

Applied Epidemiology, Inc., has completed confidentiality agreement forms for several states, either sent directly to us by the states or via CMA. In May and June, we completed confidentiality agreements with state departments of vital statistics for Alabama, Colorado, Florida, Hawaii, Maine, Montana, New Hampshire, Pennsylvania and Rhode Island. All requests received have been processed within 1 to 3 days of receipt.

V. Communication With Vinyl Panel

In May, we sent letters to the members of the CMA Vinyl Chloride Research Panel. The letter explained that, once we have identified study subjects who were known to be alive at completion of the previous update (i.e., as of 12/31/82), we will be asking for their assistance in identifying the employment and vital status of study participants. We are unable to proceed further with this step until the data needed to prepare lists of employees by plant are made available to us.

VI. Protocol Development and Review

A detailed protocol for the study has been drafted according to the Guidelines for Good Epidemiology Practices. Copies of this draft protocol have been sent to our external reviewers, Drs. Harvey Checkoway and Kathy Hammond, for comments. We expect to receive their comments, revise the document, and submit an updated protocol to CMA by August 1, 1995, for review and comment.

VII. Development of Rate-Weighting Program

Applied Epidemiology, Inc., in conjunction with SoftWhere, Inc., has begun developing a rate-weighting computer program called ProRate. At this stage we are capturing national rates from vital status records (books) for the earliest study years, and have applied for approval to purchase the Compressed Mortality Files (CMF) from the National Center for Health Statistics (cause-specific mortality rates from 1968 through 1993).

Inventory of boxes received from ENSR - May 11, 1995

Box	Subject ID numbers	Plant	Current Company	Location
1	6087-6239	1	Air Products	Calvert City, KY
1	4386-4474	2	Air Products	Pensacola, FL
1	2198-2283	3	Allied*	LA
		4		
2	9031-9192	5	Borden Chemicals	Illiopolis, IL
3	2284-2360	6	Borden Chemicals	Leominster, MA
4	2361-2525	6	Borden Chemicals	Leominster, MA
5	5264-5489	7	Conoco Chemicals	Aberdeen, MS
		8		
5	3855-3975	9	Conoco Chemicals	Westlake, LA
6	1-58	10	Dow Chemical	Ontario, CANADA
6	3759-3854	11	Dow Chemical	Plaquemine, LA
6	4475-4600	12	Dow Chemical	Midland, MI
7	4601-4856	12	Dow Chemical	Midland, MI
8	509-575	13	Dow Chemical-Oyster	Freeport, TX
8	2889-3095	14	Dow Chemical-Texas	Freeport, TX
9	1639-1889	15	Ethyl Corporation	Baton Rouge, LA
10	1890-2099	15	Ethyl Corporation	Baton Rouge, LA
11	2100-2197	15	Ethyl Corporation	Baton Rouge, LA
11	2866-2888	16	Ethyl Corporation	Houston, TX
11	484-508	17	Occidental Chemical	MD
12	8462-8695	18	Occidental Chemical	Pottstown, PA
13	8698-8967	18	Occidental Chemical	Pottstown, PA
14	3976-4328	19	Goodyear	Niagara Falls, NY
		20		
15	125-174	21	Borden Petrochemical	Geismar, LA
		22		
15	4329-4385	23	PPG*	Lake Charles, LA
15	175-308	24	Stauffer*	Delaware City, DE

Box	Subject ID numbers	Plant	Current Company	Location
16	5490-5660	25	Union Carbide	S. Charleston, WV
17	5662-5805	25	Union Carbide	S. Charleston, WV
18	9193-9379	25	Union Carbide	S. Charleston, WV
19	9380-9508	25	Union Carbide	S. Charleston, WV
20	9510-9799	25	Union Carbide	S. Charleston, WV
21	9801-9999	25	Union Carbide	S. Charleston, WV
22	10,001-10,199	25	Union Carbide	S. Charleston, WV
23	10,200-10,319	25	Union Carbide	S. Charleston, WV
24	3469-3758	26	Union Carbide	Texas City, TX
25	3133-3468	27	Uniroyal Chemical	Painesville, OH
		28		
26	5806-6086	29	BF Goodrich	Calvert City, KY
27	1018-1165	30	BF Goodrich	Avon Lake, OH
28	1167-1408	30	BF Goodrich	Avon Lake, OH
29	1411-1638	30	BF Goodrich	Avon Lake, OH
30	4857-5037	31	BF Goodrich	Henry, IL
30	576-669	32	BF Goodrich	Long Beach, CA
31	6240-6574	33	BF Goodrich	Louisville, KY
32	6575-6876	33	BF Goodrich	Louisville, KY
33	6878-7172	33	BF Goodrich	Louisville, KY
34	7173-7518	33	BF Goodrich	Louisville, KY
35	7519-7775	33	BF Goodrich	Louisville, KY
36	7776-7999	33	BF Goodrich	Louisville, KY
37	8000-8206	33	BF Goodrich	Louisville, KY
38	8207-8461	33	BF Goodrich	Louisville, KY
39	UNKNOWN	33	BF Goodrich	Louisville, KY
30	670-737	34	BF Goodrich	Niagara Falls, NY
		35		
40	2526-2763	36	BF Goodrich Tech	Avon Lake, OH
41	738-1017	37	Diamond Shamrock	Deer Park, TX

Box	Subject ID numbers	Plant	Current Company	Location
40	413-483	38	Diamond Shamrock	DE
42	5038-5263	39	Monsanto	Indian Orchard, MA
43	2764-2865	40	Monsanto	Texas City, TX
44	59-124; 3096-3132	41	Tenneco Chemicals	Burlington, NJ
44	309-412	42	Tenneco Chemicals	Flemington, NJ
44	8970-9030	43	Tenneco Chemicals	Pasadena, TX
	OTHER STUDY??			
45		3		Illinois
46		3		Illinois
47		3		Illinois
48		3		Illinois
49		3		Illinois
50		8		Cleveland, OH
51		12		New Jersey
52		13		California
53		15	DeSoto Inc.	Greensboro, NC
54		16	Du Pont	Parlin, NJ
55		16	Du Pont	Parlin, NJ
56		17	Philadelphia F & F	Philadelphia, PA
57		17	Philadelphia F & F	Philadelphia, PA
58		17		Philadelphia, PA
59		17		Philadelphia, PA
60		18	Toledo Finishes	Toledo, OH
61		19	Pontiac Varnishes	Pontiac, MI
62		21		California
63		32		Chicago, IL

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Box	VCM STUDY		Notes	
64	Employment verification		UCC	S. Charleston, WV
65	Employment verification		UCC	S. Charleston, WV
66	Computer keypunch cards			
67	Employment verification print outs for leuk. study			
68	Computer print outs SAS logs			
69	Employee Health Testing Records			
70	Employment records deceased employees		Box 1 of 4	
71	Employment records deceased employees		Box 2 of 4	
72	Employment records deceased employees		Box 3 of 4	

* Did not participate in employment history/vital status update through 1982

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