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Zack/Suskind Study

"The Mortality Experience of Workers Exposed to Tetrachlorodibenzodioxin in a Trichlorophenol Process Accident"

Study Criteria

Population: All persons with chloracne which could be attributed to the 1949 TCP process accident.

Start Date: March 8, 1949

End Date: December 31, 1978

Exclusions: Females

Vital Status: Vital status as of December 31, 1978

Zack/Gaffey Study

"A Mortality Study of Workers Employed at the Monsanto Company Plant in Nitro, West Virginia"

Study Criteria for SMR (Standard Mortality Ratio) Study

Population: Employees active on or after January 1, 1955 with one of more years of employment on the hourly roll prior to December 31, 1977.

Start Date: January 1, 1955

End Date: December 31, 1977

Exclusions: Salaried personnel who had never worked on the hourly roll
Females
Nonwhite males

Vital Status: Vital status as of December 31, 1977

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Study Criteria for PMR Study (Proportional Mortality Ratio)

Population: Deceased employees from Nitro cohorts divided into 2,4,5-T exposure and non exposure cohorts.

Employees Included in the Zack/Suskind Study But Excluded from Zack/Gaffey Study

(Reason for exclusion: They were not on hourly payroll 01/01/55 or after.)

	<u>Name</u>	<u>SSN</u>	<u>Date of Birth</u>	<u>Cause of Death</u>	<u>Date of Term. From Hourly</u>	<u>Date of Death</u>
1	Blackwell, John E.	235-01-0079	07/31/05	410.9	--	04/15/53
2	Cochran, Howard W.	235-09-0261	10/09/07	204.9	05/17/43	11/28/71
3	Cooper, Robert H.	235-09-0379	08/09/07	412.4 (Never an hourly worker)		01/11/77
4	Fletcher, James A.	235-09-0276	11/30/01	250.9	05/29/53	01/29/73
5	Hudnall, Berry	236-07-4320	09/15/89	433.9	09/30/54	01/26/64
6	Ingram, Albert C.	233-07-3788	12/12/86	412.3	01/01/52	11/07/78
7	Jeffers, Robert	236-07-6061	03/31/91	881.0	01/26/50	01/26/50
8	Lloyd, John P.	235-03-7914	01/22/86	410.0	02/01/54	06/29/73
9	McKone, Charles J.	206-07-5877	03/29/14	431.0	02/28/50	05/18/66
10	Nelson, George O.	032-07-1132	09/19/18	410.0	09/30/50	03/25/59
11	Roe, James F.	416-05-6467	06/25/11	162.1 (Never an hourly worker)		06/09/64
12	Saffel, Delbert	235-09-0340	03/19/99	436.9	04/01/45	12/24/70
13	Shank, Lawrence L.	235-09-0342	02/16/05	410.9	09/01/44	07/16/72
14	Woods, Frank	235-09-0371	07/10/94	410.9	04/01/45	01/02/57

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These employees were counted as deceased in the Zack/Suskind study but as living in the Zack/Gaffey study. The cutoff date of the Zack/Suskind study was 12/31/78, while the cutoff date of the Zack/Gaffey study was 12/31/77. All these employees were living as of 12/31/77.

<u>Name</u>	<u>SSN</u>	<u>Date of Death</u>	Cause of <u>Death</u>
1) Hanna, Cecil	232-18-9308	06/11/78	412.4
2) Moore, Herman	234-24-0050	11/10/78	173.9
3) Tidquist, Hugo	512-10-9016	11/13/78	205.0
4) Wolf, Leslie	235-01-4008	01/27/78	519.3

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I. Not included in Zack/Gaffey study and should have been.

1) Johnson, Warner 224-52-5989

II. 2,4,5-T exposure category was incorrectly classified in Zack/Gaffey PMR study.

A) Counted as unexposed - should have been exposed.

<u>Name and SSN</u>	<u>COD</u>	<u>DOD</u>	<u>DOH</u>	<u>DOT</u>	<u>EXP</u>
1) Johnson, Warner 224-52-5989	819.9	04/02/76	03/21/66	04/02/76	Y
2) Simmons, William 234-34-2228	410.9	05/05/69	02/05/44	05/05/69	Y
3) Workman, John 233-32-4578	151.9	08/30/71	04/11/50 (medical record says he was exposed)		Y

B) Counted as exposed - should have been unexposed.

<u>Name and SSN</u>	<u>COD</u>	<u>DOD</u>	<u>DOH</u>	<u>DOT</u>	<u>EXP</u>
1) Davis, Thomas 236-16-3469	162.1	04/15/68	10/24/46	04/15/68	N
2) Eads, Martin 236-16-4813	782.4	01/06/64	01/03/44	01/06/64	N
3) Vintroux, James 234-28-8198	924.0	04/16/57	07/01/45	04/16/57	N
4) Winter, James E. 235-05-3054	188.0	12/25/68	11/21/44	12/25/68	N

MES/ajm
05/01/84

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