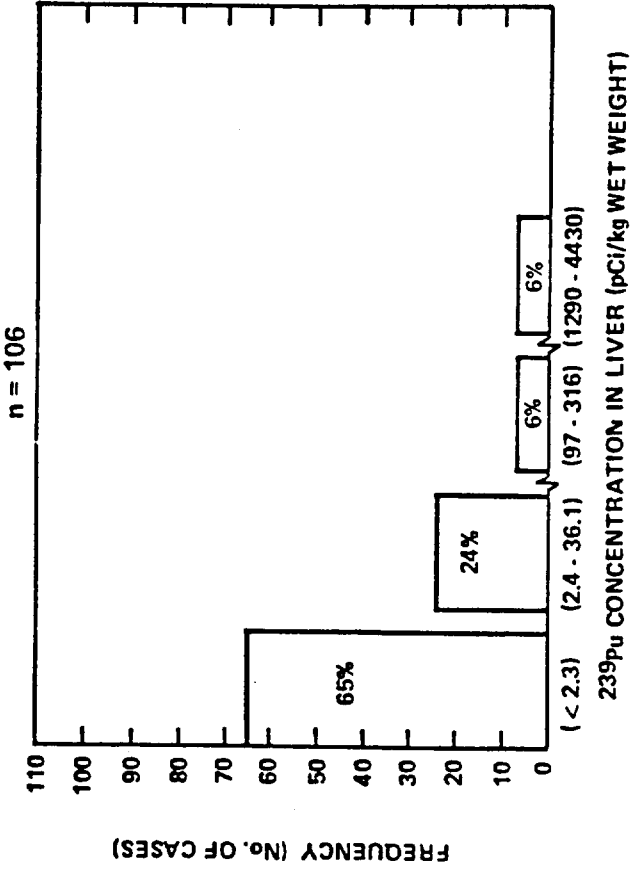


DISTRIBUTION FREQUENCY OF LIVER CONCENTRATIONS IN
 WORKERS AT LOS ALAMOS NATIONAL LABORATORY



1001091

**COMPARISON OF *IN VIVO* ESTIMATES (URINE) OF BODY BURDENS ²³⁹Pu
WITH TISSUE ANALYSIS RESULTS**

CASE No.	YEARS EXPOSURE	ESTIMATES OF BODY BURDEN (nCi)			No. URINE SAMPLES	
		PULMONARY	SYSTEMIC	WHOLE BODY		
31-002	36	31.4	21.9	53.3	46	120
7-138	26	37.1	8.6	45.7	26	118
1-039	11	3.0	18.4	21.4	21	44
18-026	30	13.9	5.1	19.0	18	8
31-086	30	6.7	7.9	14.6	23	140

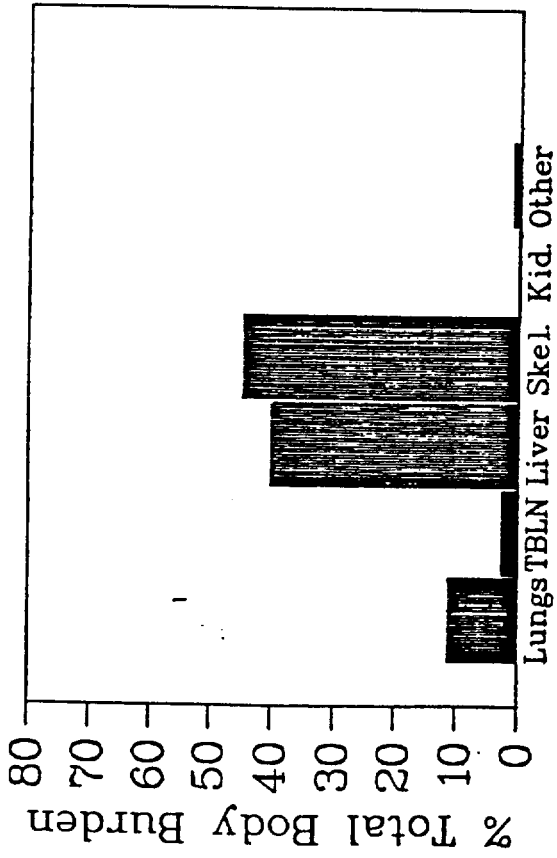
1001092

COMPARISON OF *IN VIVO* ESTIMATES (URINE) OF BODY BURDENS ^{239}Pu
WITH TISSUE ANALYSIS RESULTS

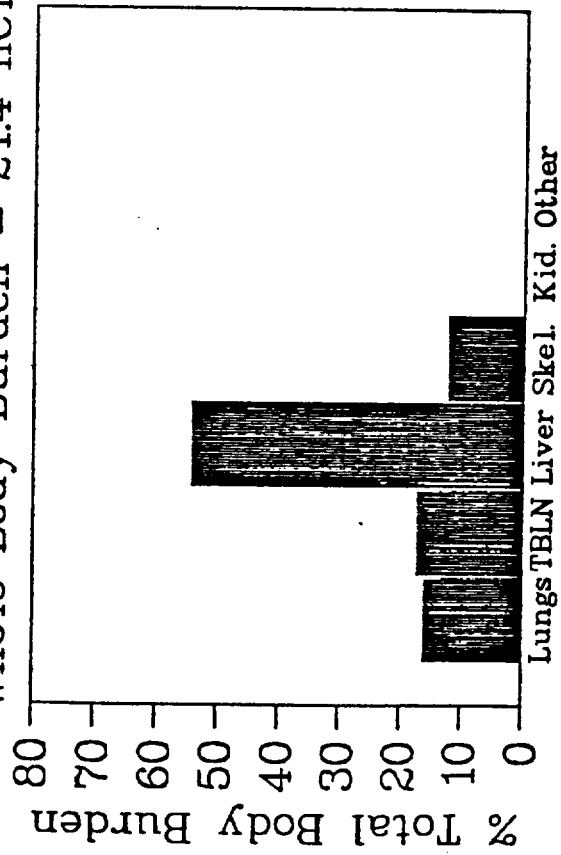
CASE No.	YEARS EXPOSURE	ESTIMATES OF BODY BURDEN (μCi)			No. URINE SAMPLES	
		PULMONARY	SYSTEMIC	WHOLE BODY		
2-030	13	4.9	4.2	9.1	7.7	58
31-012	31	1.3	1.0	2.3	3.8	5
3-016	19	0.4	0.7	1.1	3.6	23
21-002	14	0.3	1.3	1.6	1.1	29
7-066	28	0.2	0.8	1.0	6.5	39
7-132	21	0.1	0.4	0.5	0.9	19
2-130	10	0.2	0.9	1.1	1.5	17

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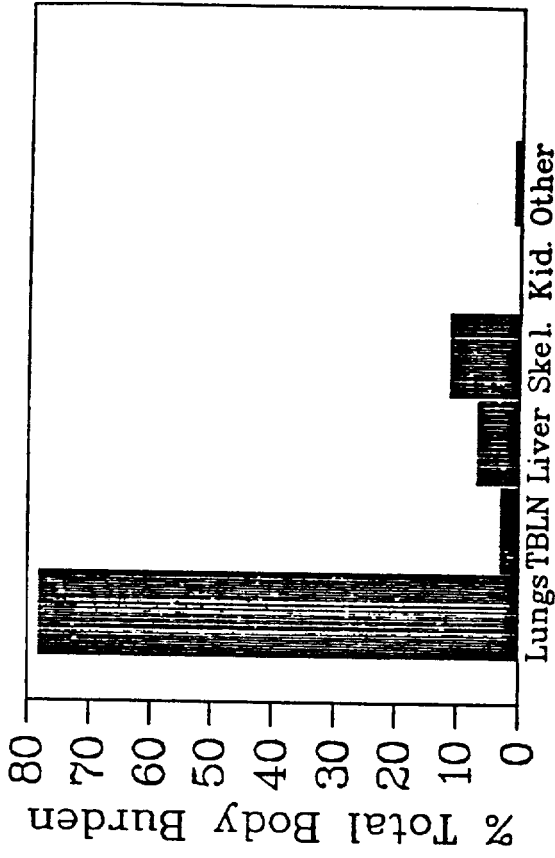
Distribution of ^{239}Pu in Human Tissues



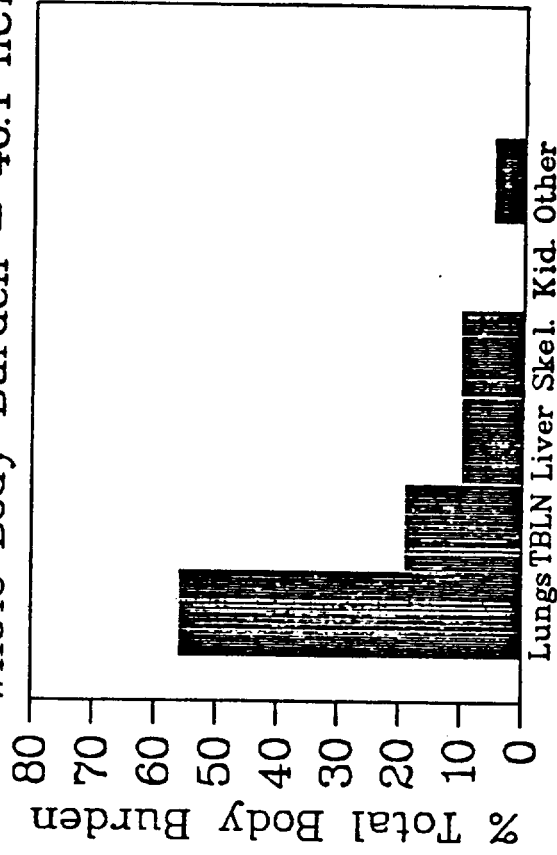
Case 1-039
Whole Body Burden = 21.4 nCi



Case 3-016
Whole Body Burden = 1.0 nCi



Case 7-138
Whole Body Burden = 46.1 nCi



Case 18-026
Whole Body Burden = 18.5 nCi