

TABLE 12 Distribution of Head Carcinomas in Dial Workers and Other Radium-Exposed Subjects

Case	Number of Persons ^a		Number of Head Carcinomas ^b	
	Female	Male	In Females	In Males
Measured cases				
Dial workers	1,747	161	19	0
Other cases	156	319	8	5
Total	1,903	480	27	5
Cases not measured				
Dial workers	1,910	315	5	0
Other cases	871	1,196	0	0
Total	2,781	1,511	5	0
Sum	4,684	1,991	32	5

^a Total persons = 6,675.

^b Total head carcinomas = 37.

subject's older (by two years) brother (Case 03-220), identified at that time as Patient 120:

On questioning, the patient did not at first recall ever having received radium, and because of his age it was difficult to conceive that he had been given radium therapeutically at the height of its popularity as a medicament. A perusal of the old files of Schlundt revealed, however, that the patient's father, a physician, had been a patient of Dr. [Findley John] and had been given radium by him. The patient then remembered that for a period of about two years, when he was between the ages of eight and ten, his father had his brother, mother, and himself each drink a glassful of "radium water" daily as a tonic.

At the ages of these two brothers, which averaged seven years and nine years during the period when they received radium from their father, bones are growing rapidly in size and shape. Thus, some of the radium deposited in the bones was probably removed rapidly. Because of the very rapid clearance of radium from human blood, little resorbed radium is