

DOSIMETRY FOR CCSS STUDIES

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WHAT WE DO

- **Receive radiation therapy records**
- **Abstract records for details of therapy**
- **Participate in planning of studies**
- **Calculate individual organ doses appropriate for each study**
- **Participate in analysis of data and publication of results**

**SEE PAGES 26 – 31 OF BOOKLET
FOR DETAILED LISTINGS
OF STUDIES**

**Last 2 yrs: 12 major studies with
43,000 individual organ doses**

Levels of dosimetry

- **Summary by body regions**

Maximum or average dose to head, neck, chest, abdomen, pelvis, brain segment

- **Detailed dose for cohort studies**

Thyroid, kidneys, gonads, eyes, salivary glands, heart

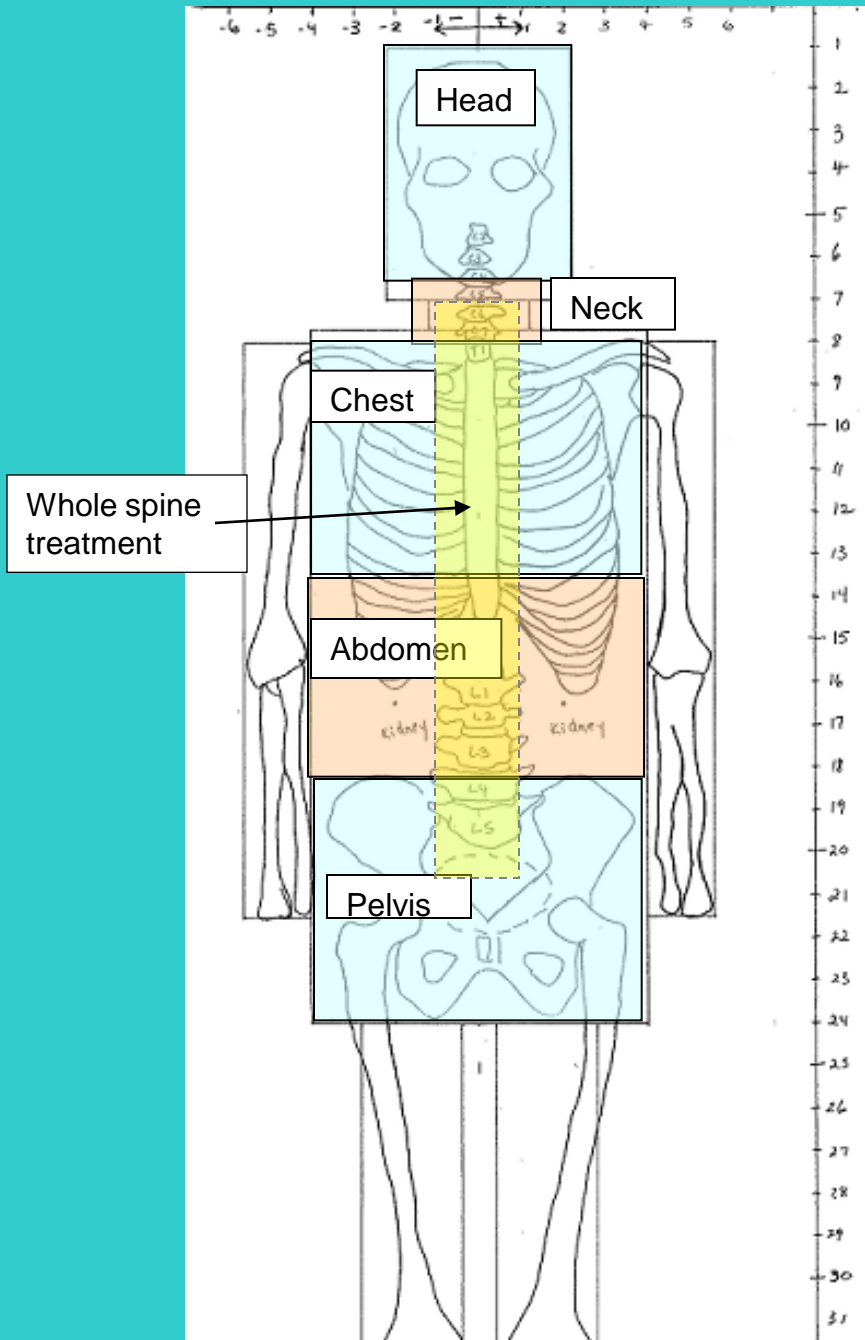
- **Detailed dose for case control studies**

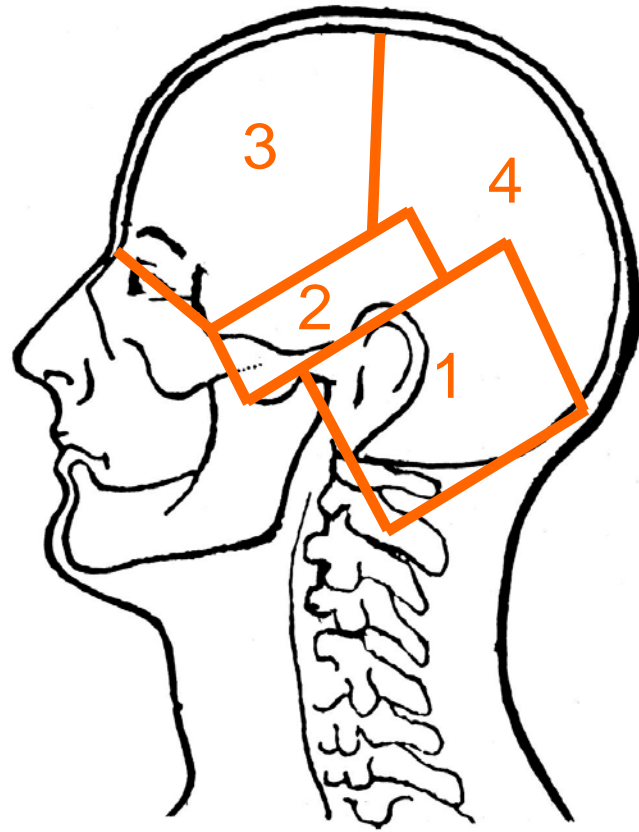
Thyroid lobes

Breast tumors

Soft tissue sarcoma

Osteosarcoma





COHORT 1

(N = 8507)

- Review
- Log-in
- 1st pass code
- Scan
- Basic detail code (cohort)
- Enhanced detail code (case/control)

COHORT 2

(N = 370)

- Log-in image files
- Review and basic detail code (cohort)
- Study specific code (case/control)

POTENTIAL PROBLEMS

- **Electronic records?**
- **Quality and completeness of scanned records (photos, diagrams)**
- **Pace of record receipt, processing time between record transmittal and final dosimetry**
- **Consistency of dosimetry between cohorts 1 & 2 (Degrade 2 to 1 or upgrade 1 to 2?)**
- **XRT records for patients reporting additional therapy on F/U**
- **Update cohort 1 data to reflect F/U info**