

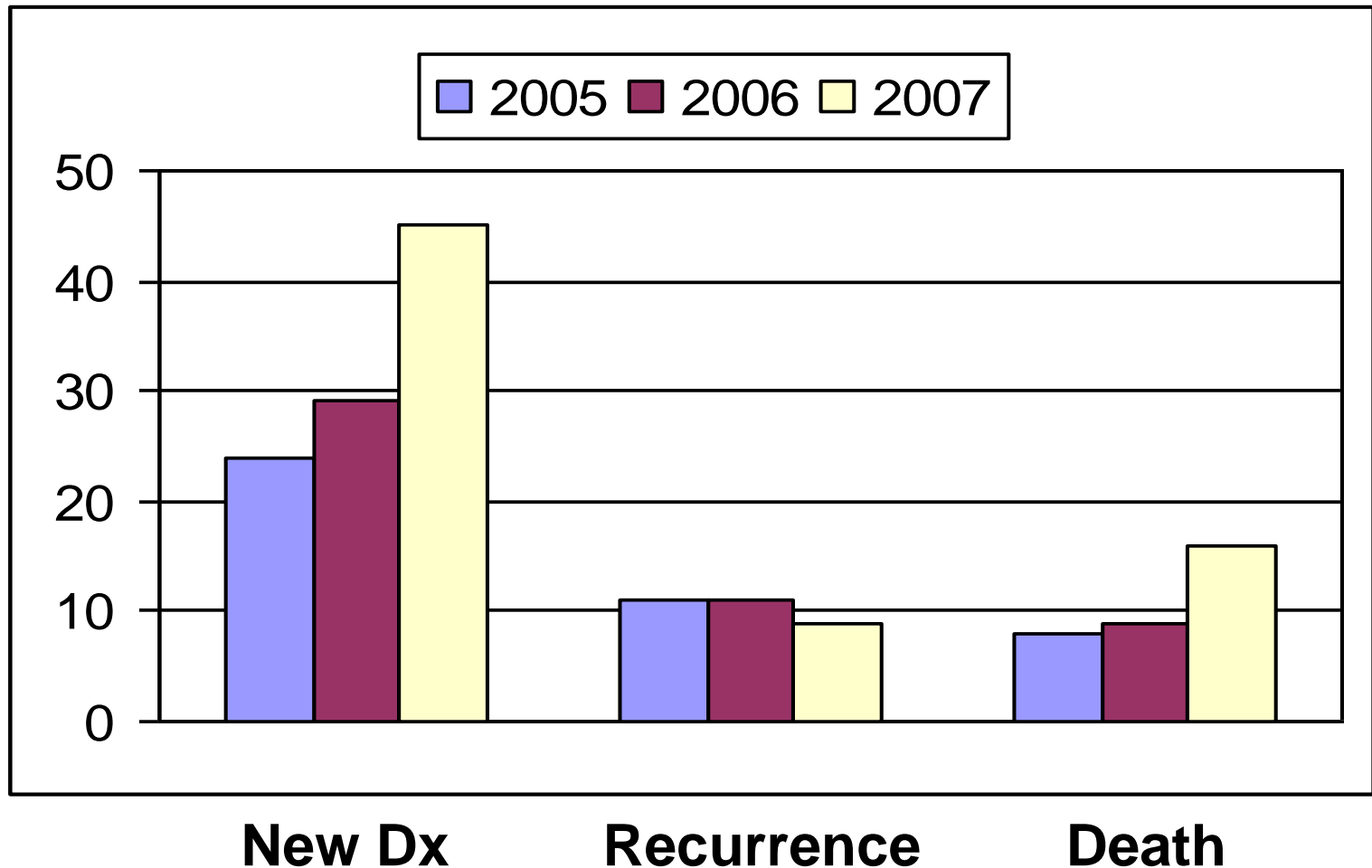
Pediatric Solid Tumor Conference

- Review of Events Sept.-Dec. 2007
- Data for 2005 – 2007
- Discussion of Osteosarcoma New Diagnoses 2007

DCH Solid Tumors 2005-2007

	2005	2006	2007
New Diagnoses	24	29	45
1st Recurrence	11	11	9
Deaths	8	9	16

DCH Solid Tumors 2005-2007



DCH Osteosarcoma 2007

13 new diagnoses (+ 1 in December '06)

N= 14

- 8 female, 6 male
- Median age 13 yrs (range 4-18 yrs)
- 10 Caucasian, 1 Hispanic, 3 Mixed Race
- 1 Metastatic; 13 Non-metastatic at diagnosis
- 1 is a secondary malignancy in XRT field for previous cancer treatment

DCH Osteosarcoma Incidence: Expected vs Observed

- 2006 Oregon Census Data:

Population	3,700,758
% under 18	<u>23.1%</u>
Children under 18	854,875

- 2006 Clark Co., WA:

Population	412,938
% under 18	<u>26.0%</u>
Children under 18	107,364

Total Children in Catchment area =

962,239

DCH Osteosarcoma Incidence: Expected vs Observed 2007

U.S. Osteosarcoma Incidence: 5.0/million/yr
2004 SEER Data (age 0-19)

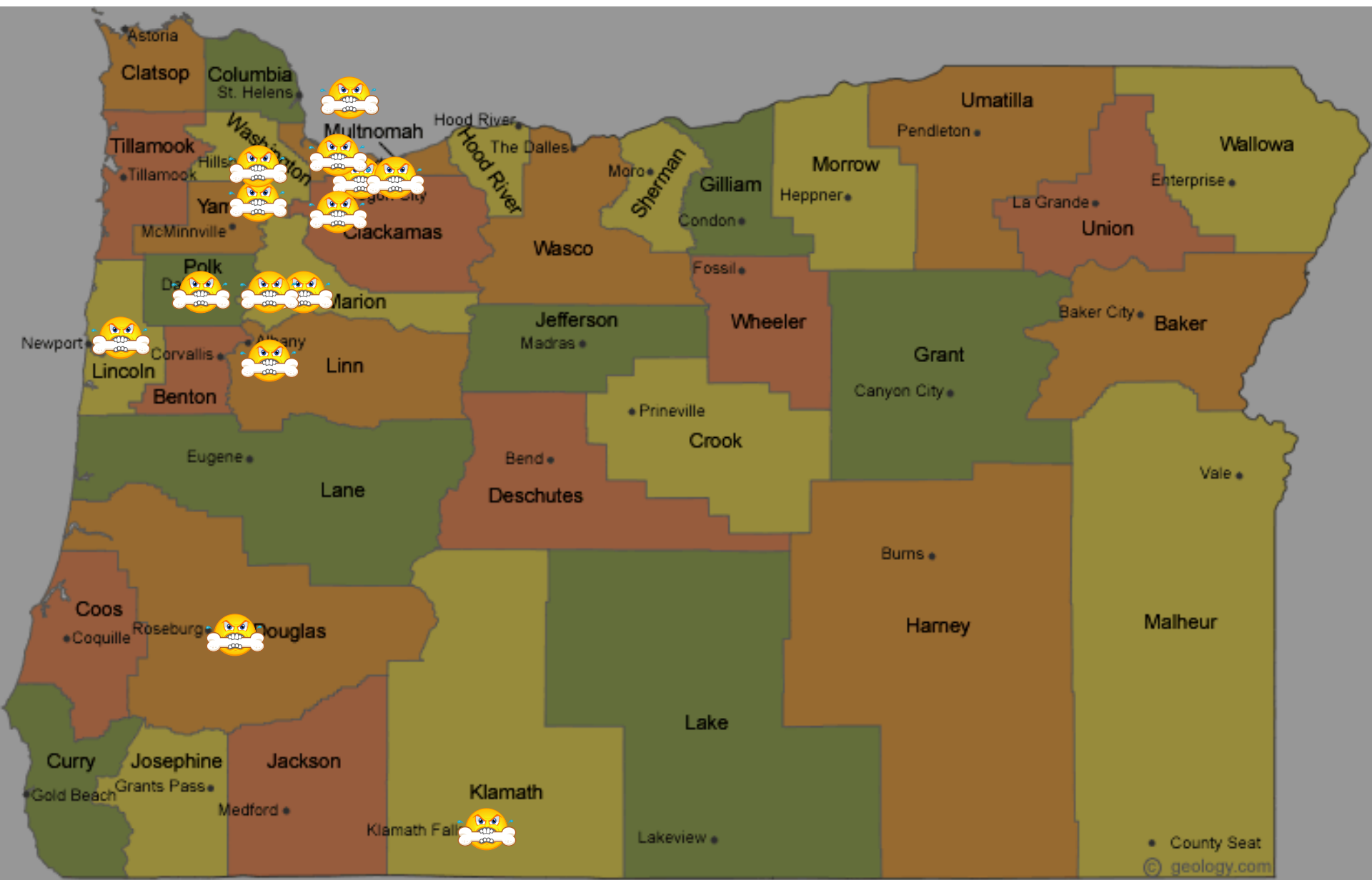
Expected Annual Incidence = 4.8/year
(Oregon & SW Washington)

**2007 Observed Incidence at DCH =
13**

2007 Observed/Expected = 2.7

Osteosarcoma – Risk Factors

- Genetic
 - Hereditary Retinoblastoma
 - Li-Fraumeni syndrome
 - Rothmund-Thompson syndrome
- Exposures
 - Ionizing Radiation
 - 3% of all osteosarcomas
 - Median interval (XRT to onset) = 12-16 yrs



 = Osteosarcoma

• County Seat
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DCH Osteosarcoma 2007 – Sites of Disease

- Fibula – 3
- Tibia – 3
- Femur – 5
- Rib – 1
- Sternum – 1
- Vertebral Body - 1