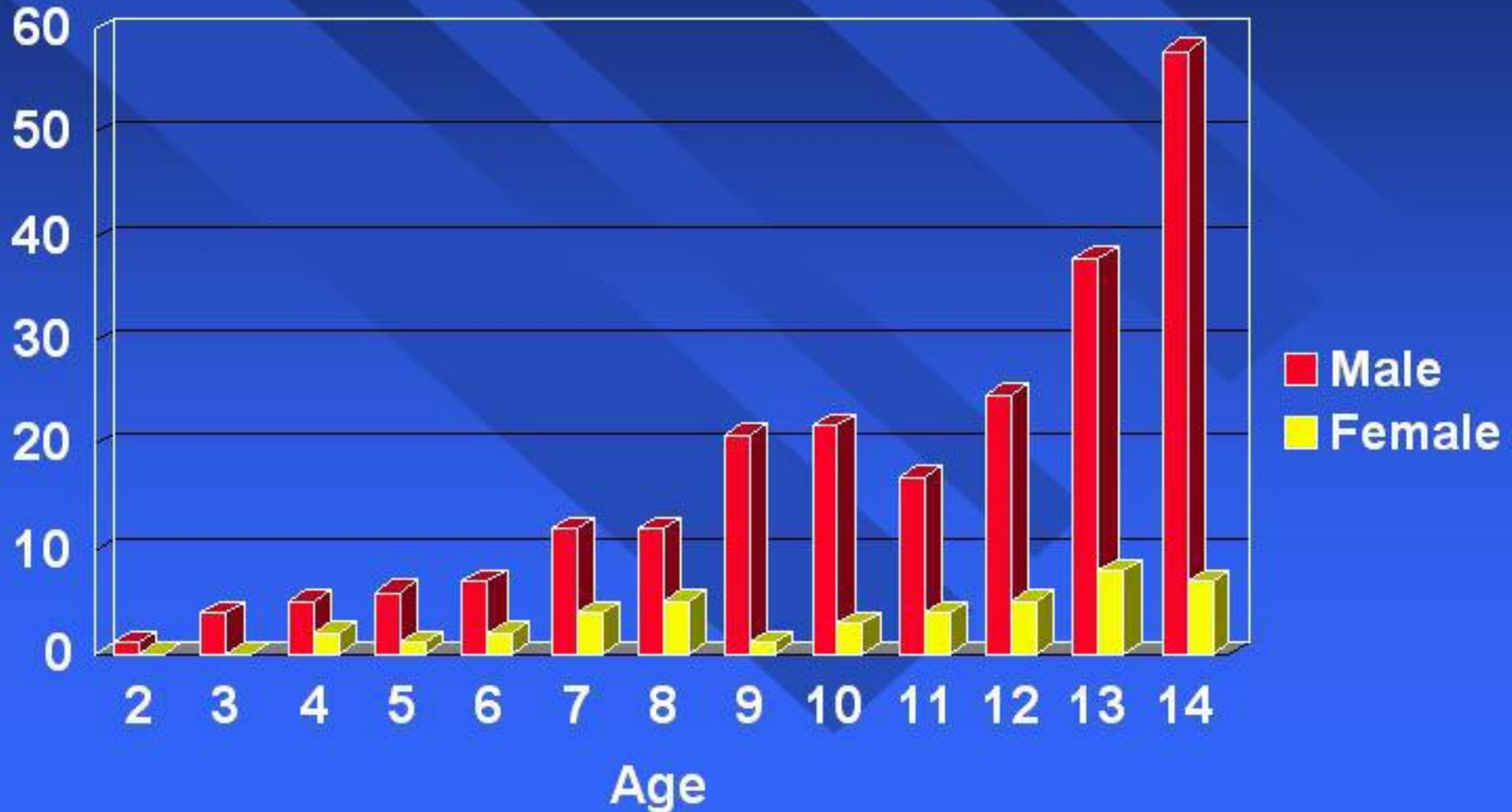


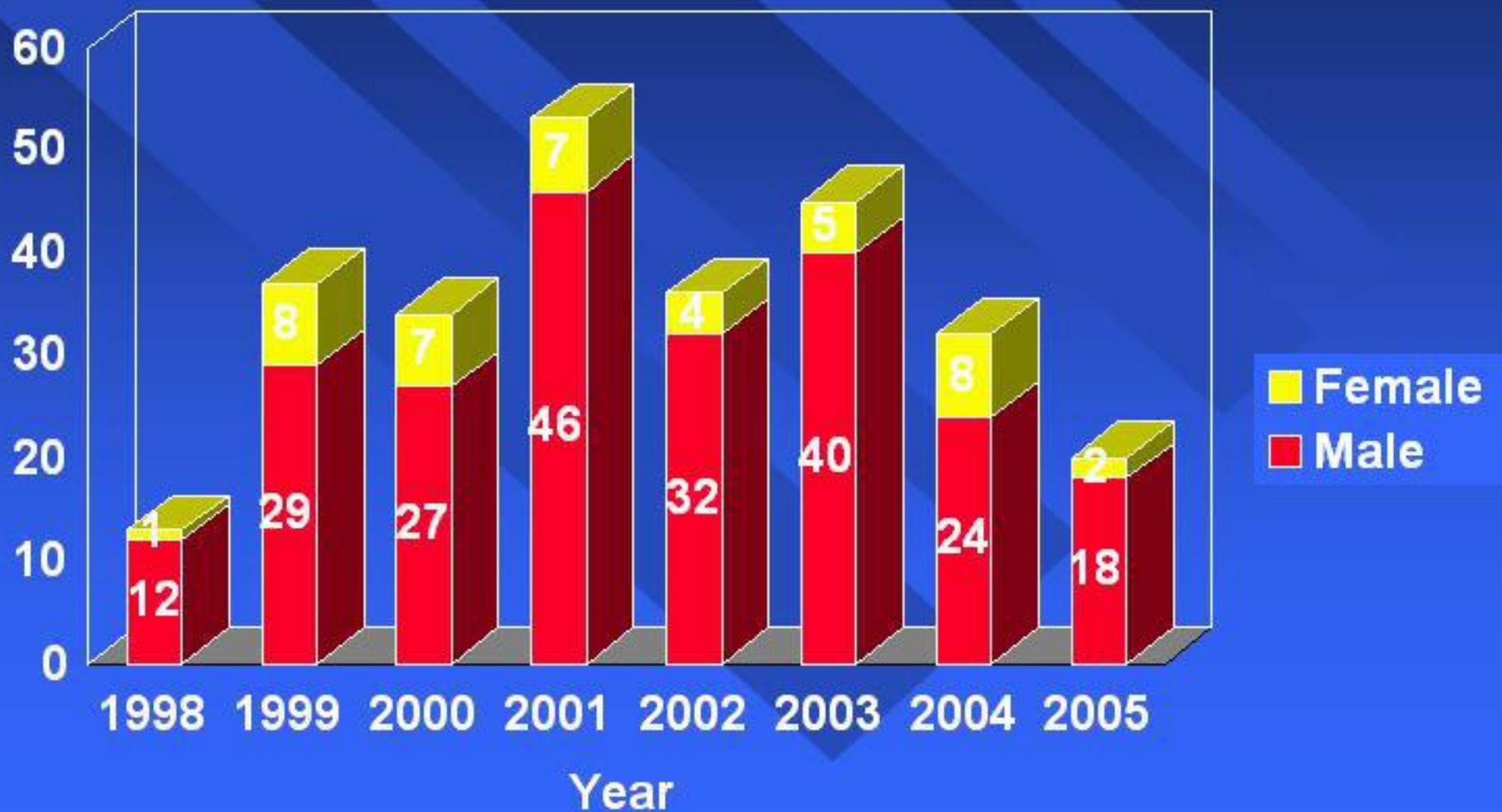
# Childhood Motorcycle Injuries

Orange Base Hospital

# Age Distribution



# Annual Incidence



## Activity

- 247 MC riders
  - 3 yr male youngest rider
- 23 passengers

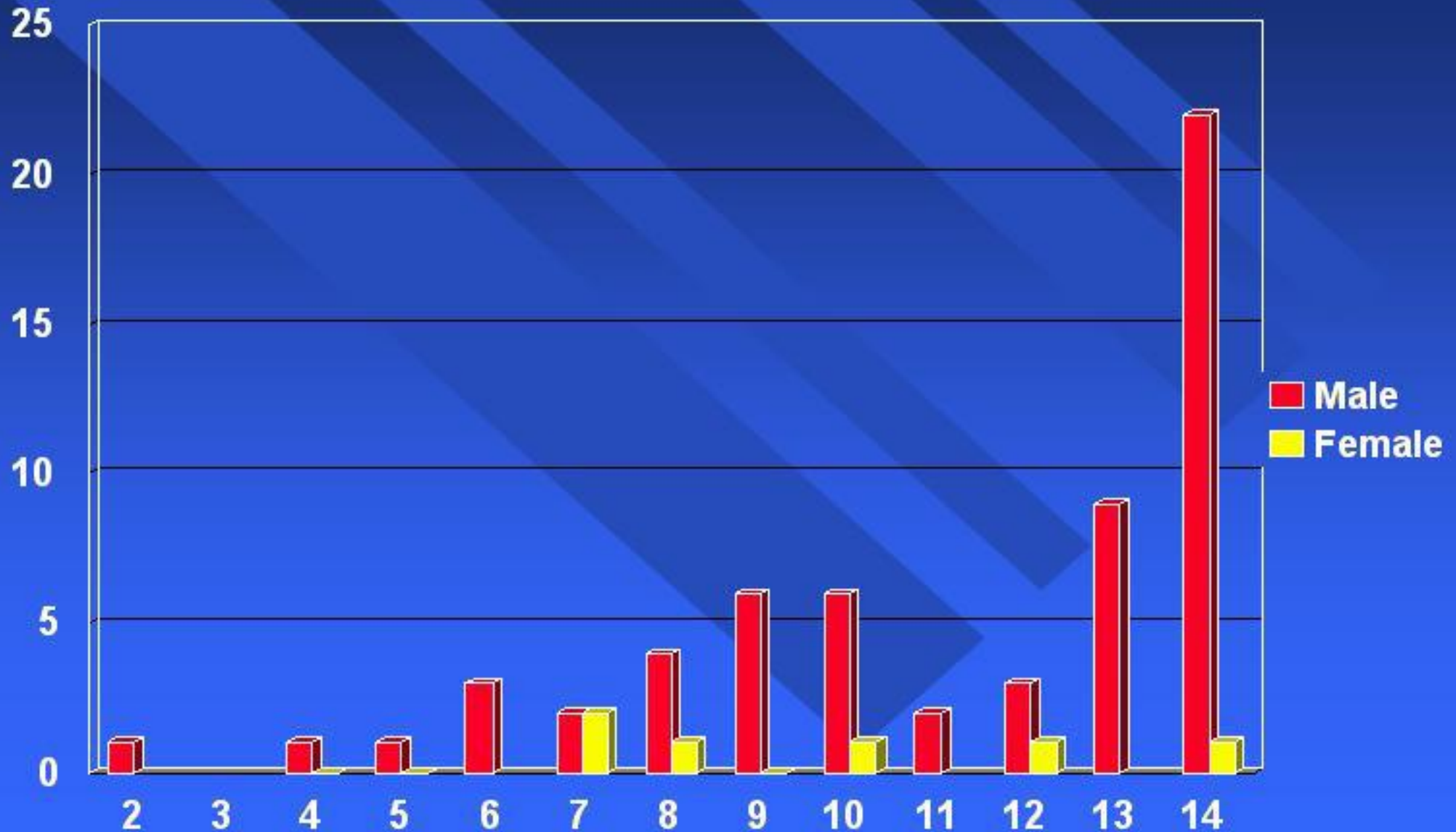
## Location

- |            |     |
|------------|-----|
| ■ Farm     | 109 |
| ■ Home     | 55  |
| ■ Rec Area | 30  |
| ■ Sports   | 19  |
| ■ Road     | 7   |

# Admissions

- 66 patients admitted
- 59 male, 7 female
  
- 64 MC riders, 2 passengers

# Age distribution



# Mechanism injury

■ Falls	35	■ Farms	37
■ Collisions bike	10	■ Rec. Area	18
■ Jump	9	■ Home	8
■ Stationary object	8	■ Sports	3

## Referral

- 32 Patients referred
- 34 Direct present
  
- 34 Private car
- 31 Ambulance
- 1 Retrieval

## Service

- Ortho 44
- General Surg. 19
- Other 3



# Injuries

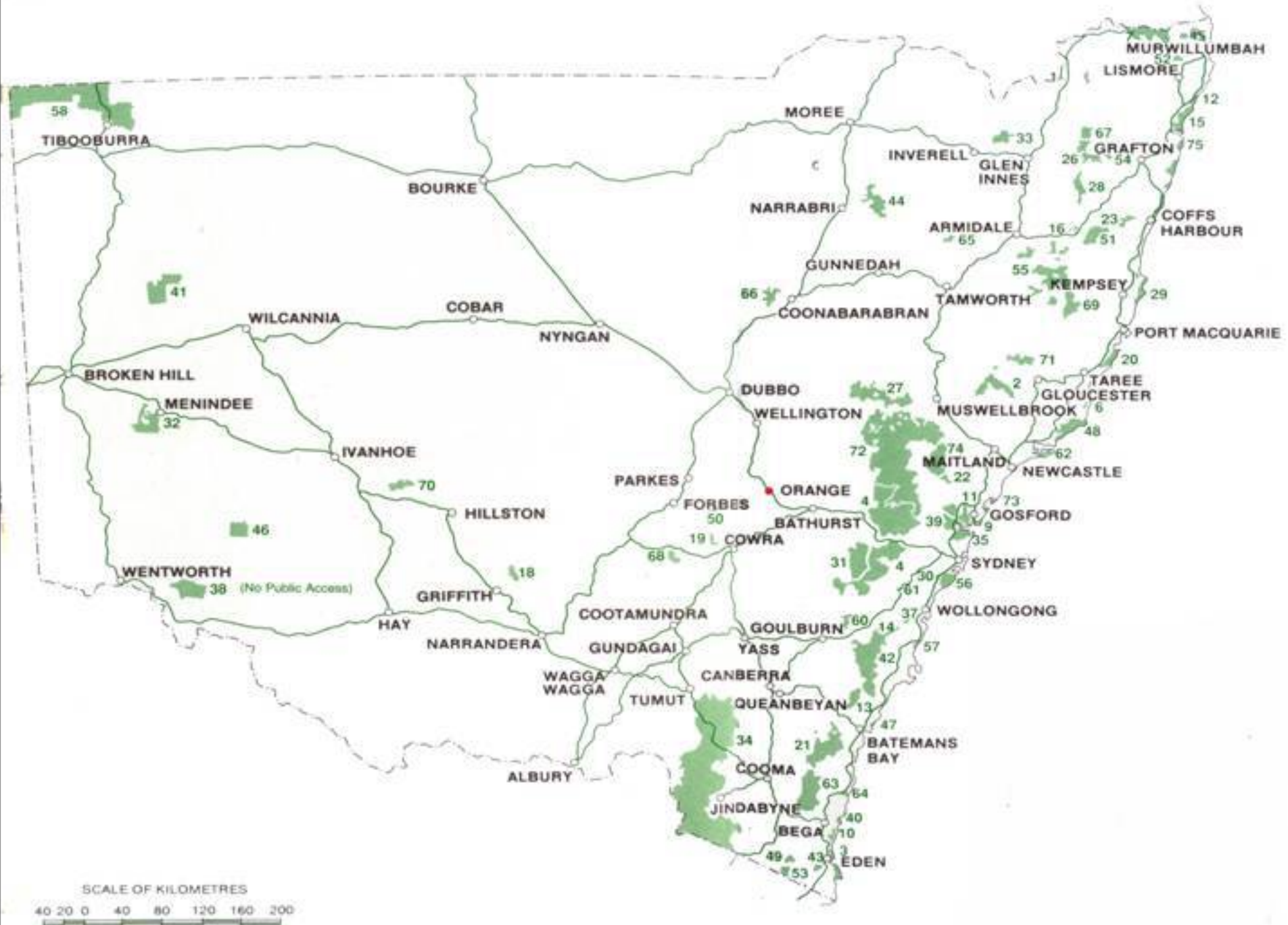
■ Head/ neck	5
■ Face	1
■ Chest	1
■ Abdo/ pelvis	5
■ Extremities	42
■ External	22

# Limb Injuries

- Humerus 8
  - ORIF 4
- Forearm 18
  - Closed reduction 15
- Femur 5
  - Traction 4
- Tib/ fib 10
  - ORIF 3
- Hand/ Foot 4

# Helmets

- Worn 39
- Not worn 8
- Not Recorded 19



# Outcomes

- Average LOS 4 days
- Range 1-84 days
- Median 2 days
  
- Transferred to other hosp 4

# Conclusions

- Large number of young children injured.
- Most injuries from farm use motorbikes
- Significant workload to the hospital in bed stay, operating theatre time and outpatient facilities.

# Conclusions

- Helmet use 60 %
- Relatively minor injuries
- Lack public awareness of impact of “underage” motorcycle use.







NO PARKING

# Motor Bike Injuries in Children

Dr Allan Kerrigan



# Aims

- To expand on data initially presented by Dr Allan Kerrigan from 1999.
- Study trends in presentations of childhood motorcycle injury.
- Assess the impact of childhood MC injuries on OBH.

# Methods

- Patients identified from Orange Base Hospital EDIS.
- Review of prospectively acquired data from ED
- Retrospective chart review of all admissions

# Patients

- Patients aged less than 15 yrs.
- All presentations to ED following motorcycle injuries
- April 1998 to May 2005

# Results

- 270 presentations
- 251 patients
  - 13      2 presentations
  - 3      3 presentations
- Age range 2 - 14 yrs
- 228 males, 42 females
- 204 treated and discharged
- 66 (24%) admitted to OBH