

Surgical activity

MSF OCP jan-sept 2010

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Medical department Paris



4 dec 2010

Surgical activity MSF OCP jan-sept 2010

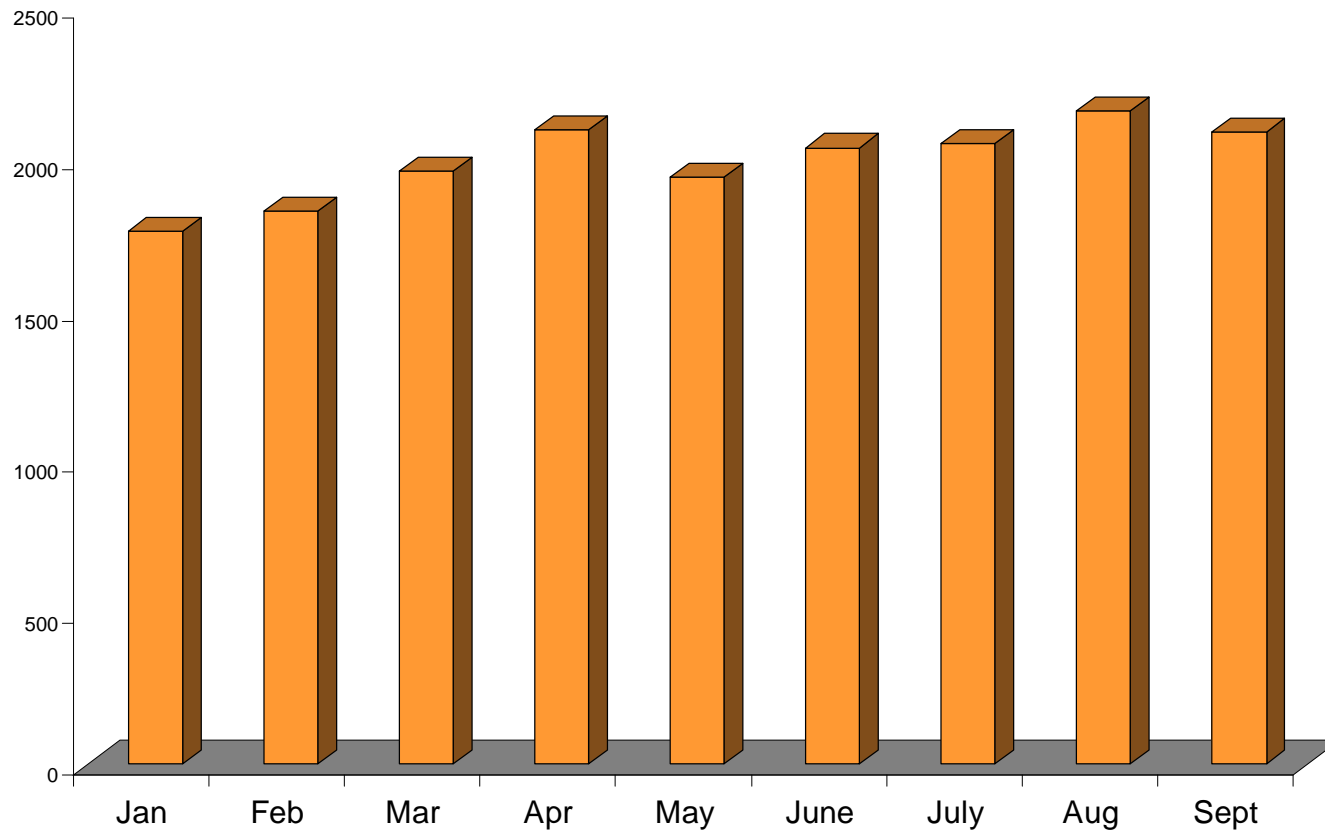
- Haiti : Port au prince (631)
- Nigeria : Port Harcourt (243)
- Nigeria : Jahun (106)
- RDC : Rushuru (422)
- RDC : Nyanzale (45)
- Congo : Bétou (60)
- RCA : Paoua (137)
- Jordanie : Amman (77)
- Pakistan : hangu (67)
- Soudan : Aweil (168)
- Sri-Lanka : Point-Pedro (175)
- Sri Lanka : Manik Farm (tot 105) closed
- Yemen : Khameer (200)
- Palestine : Gaza (33)
- Somalia : Mogadiscio (?)

Surgical activity MSFF jan-sept 2010

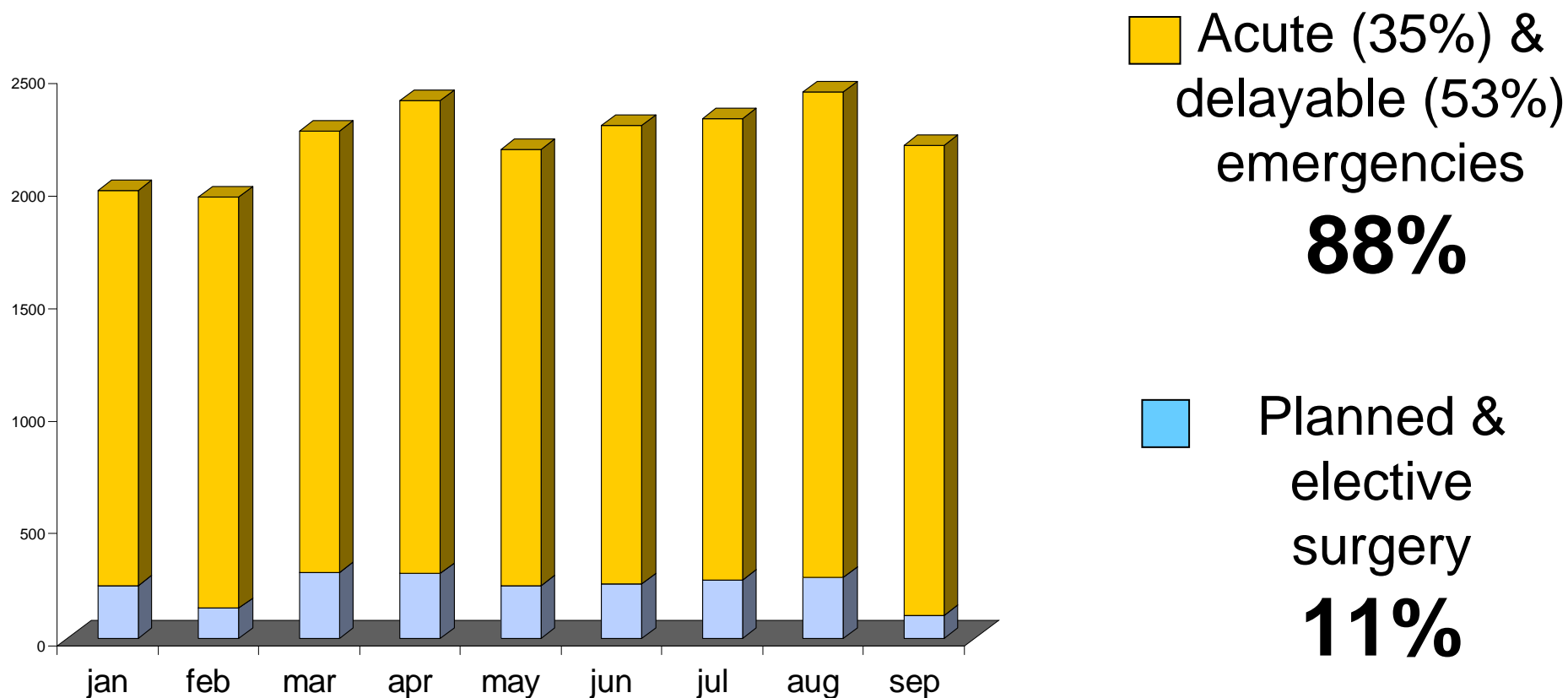
17 929 procedures

1992 /month

(2009 : 17.563 p)

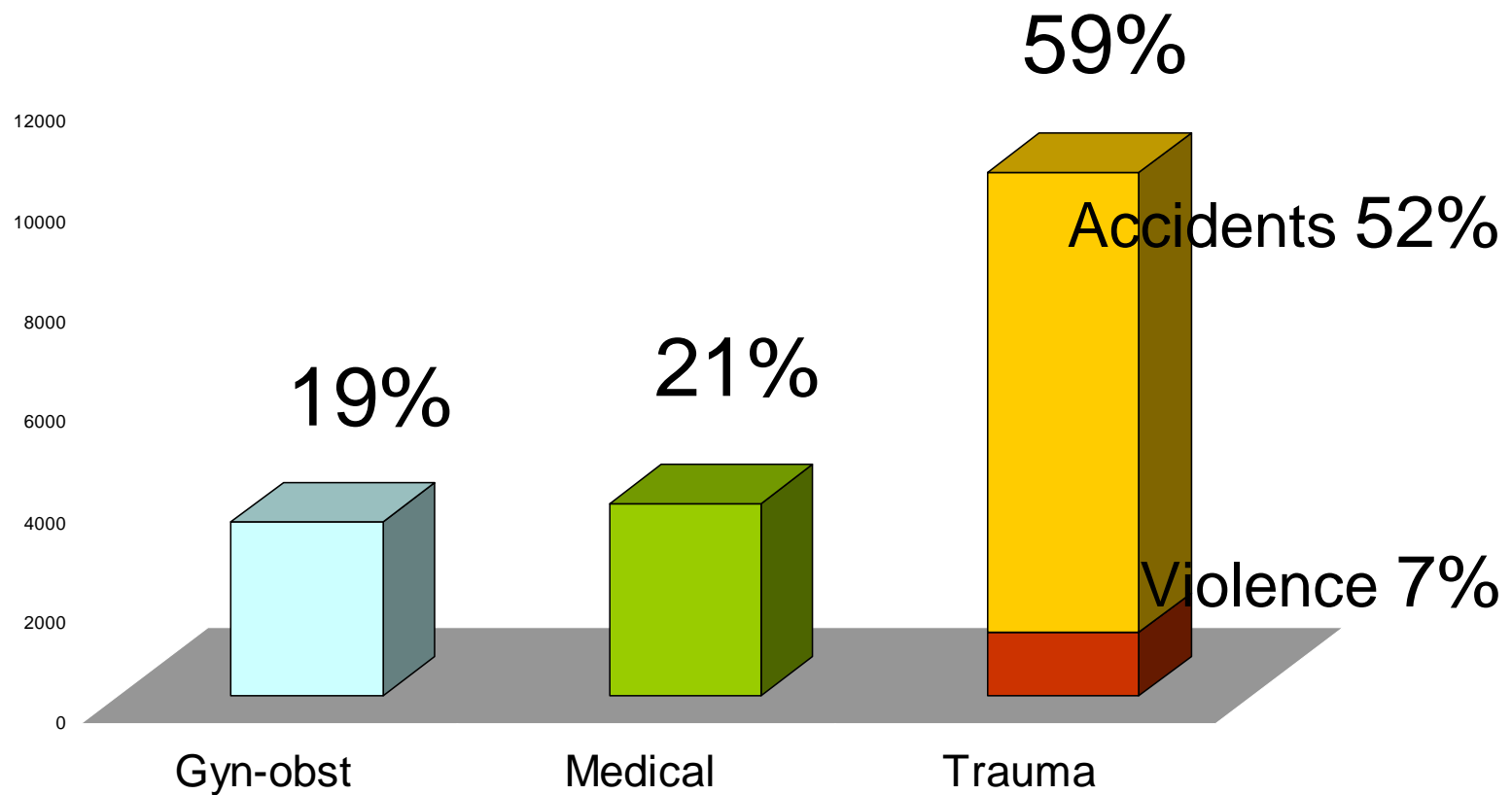


Surgical emergencies MSFF jan-sept 2010



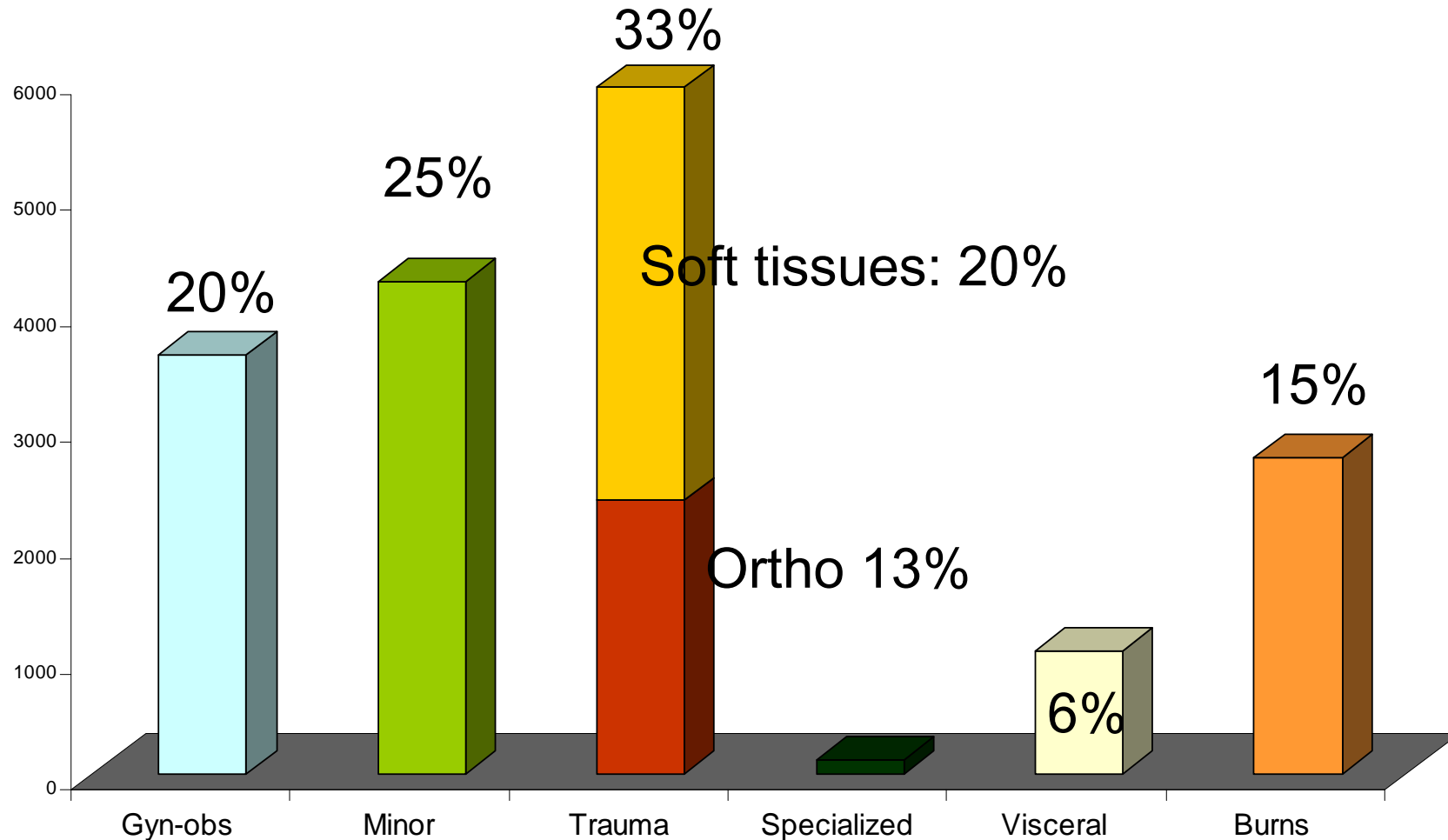
2009 : emergency 70% planned 30%

Surgical indications MSF OCP jan-sept 2010



2009 : 15% obst ; 24% med ; 61 % trauma 43 % acct 18 % violence

Types of surgery MSFF jan-sept 2010

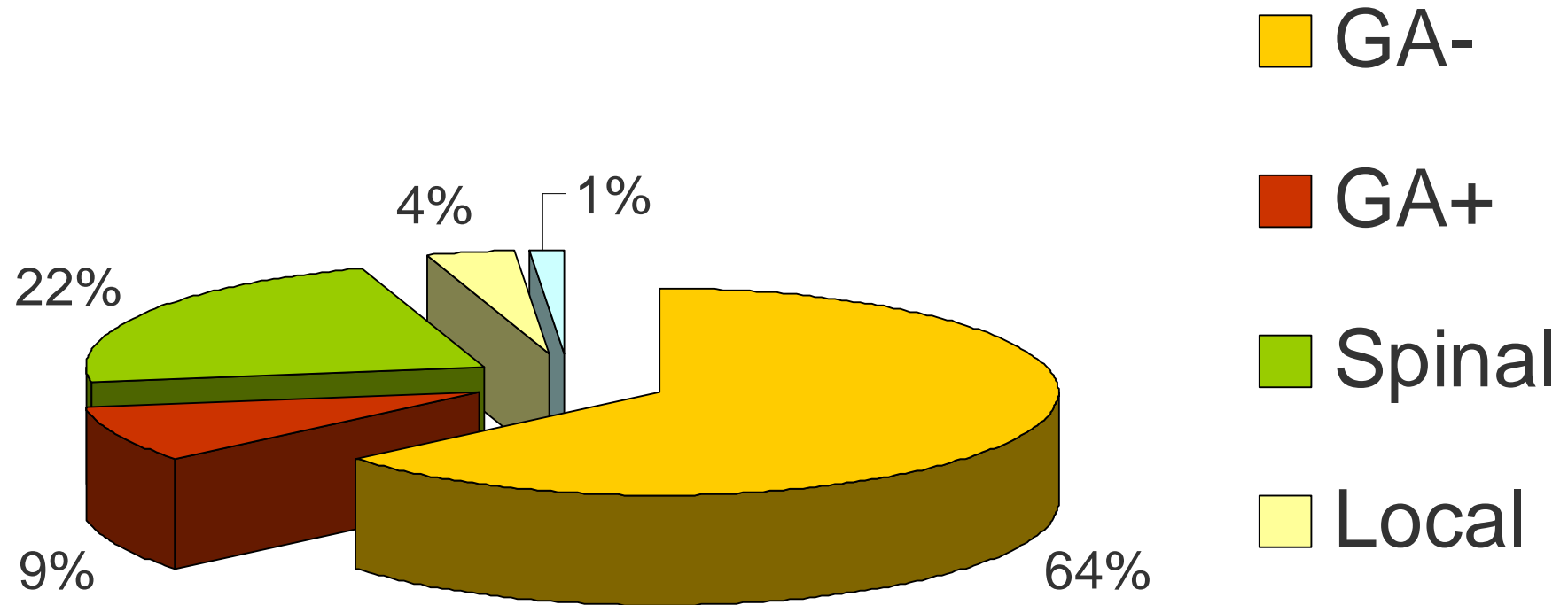


2009

gyn 15%; minor 22% ; trauma 29% soft 15%; ortho 14%, spe 6% ; visce 9% ; burns 18%

Type of Anaesthesia OCP

jan-sep 2010



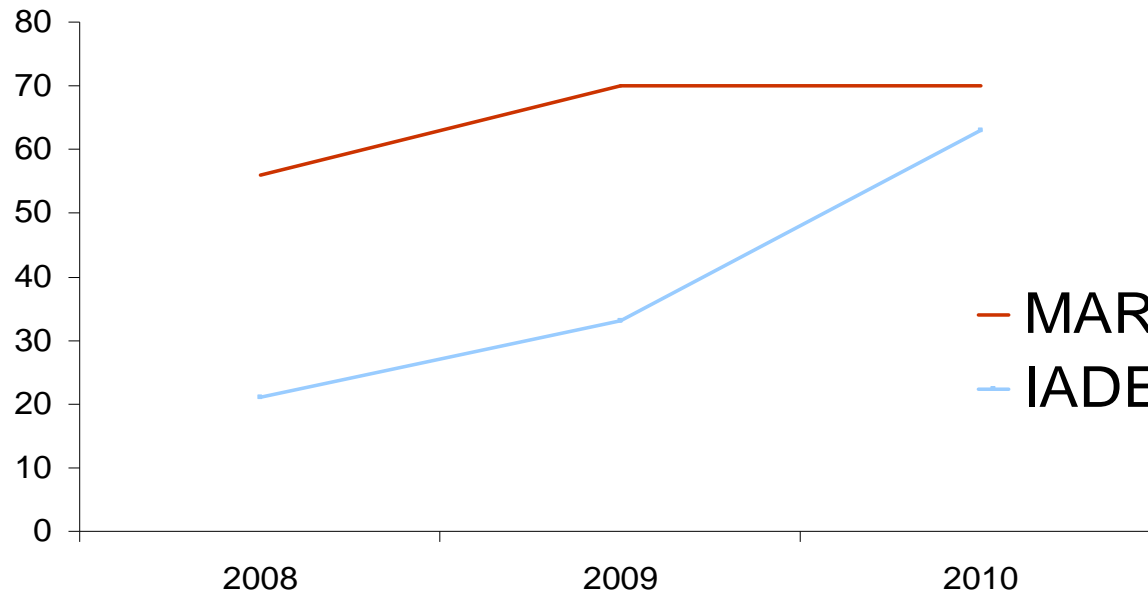
2009

AG- : 58%

AG+ : 14 %

Spinal : 22%

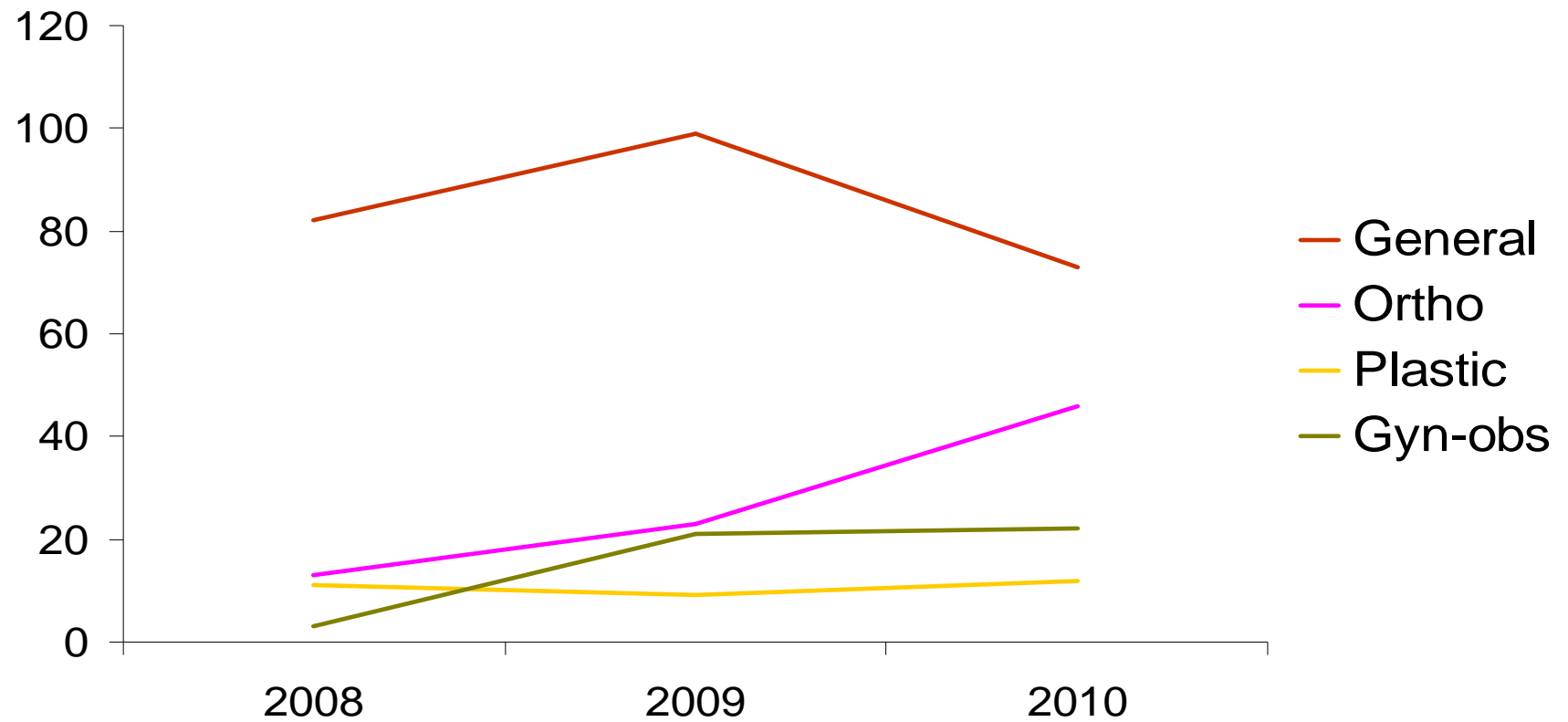
Anesthetists 1 jan- 30 nov



2010
MAR: 70
IA : 63

Total / year 2008 : 84 2009 : 112 2010 :145

Surgeons 1 jan- 30 nov



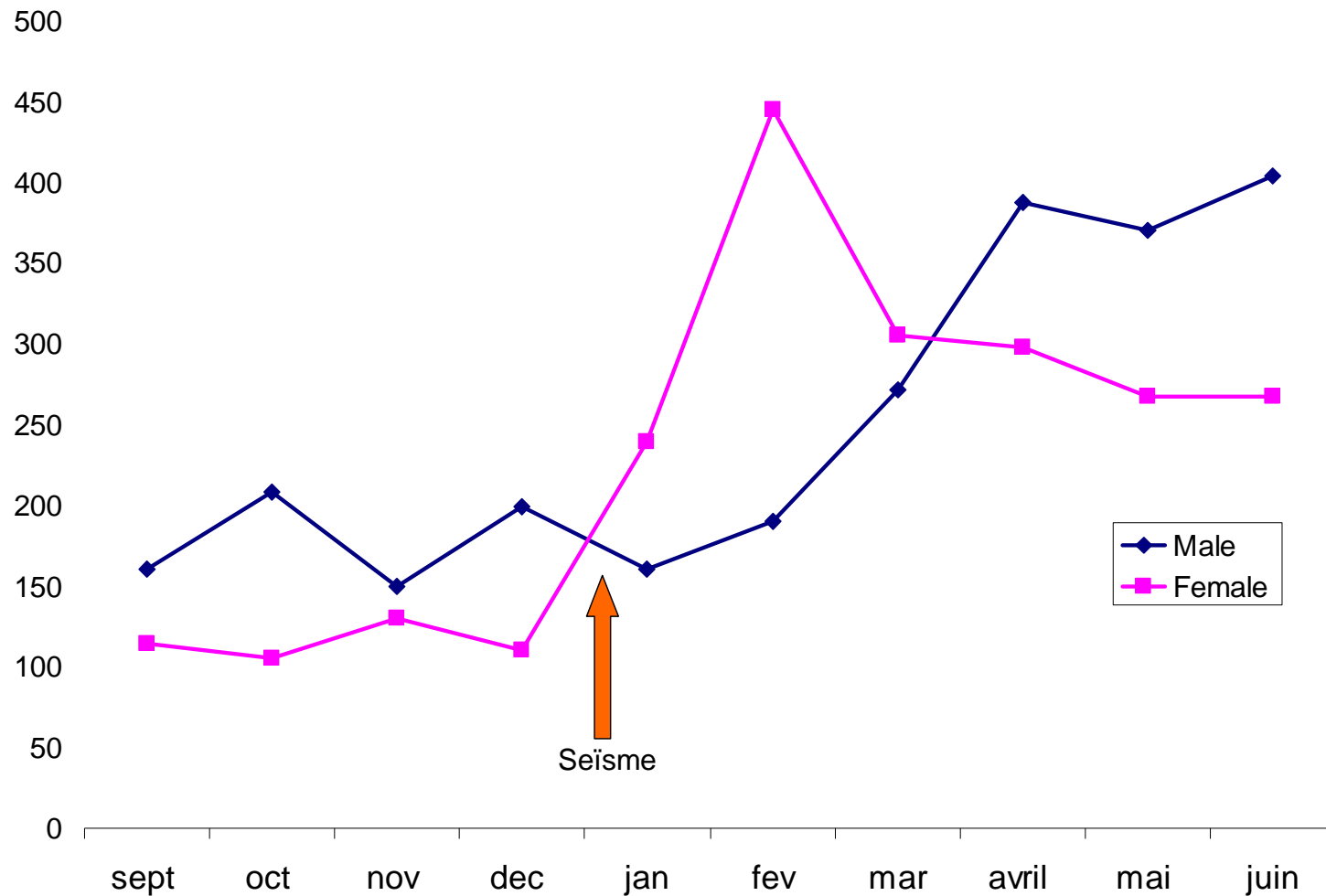
Total / year 2008 : 120 2009 : 165 2010 : 167

Population

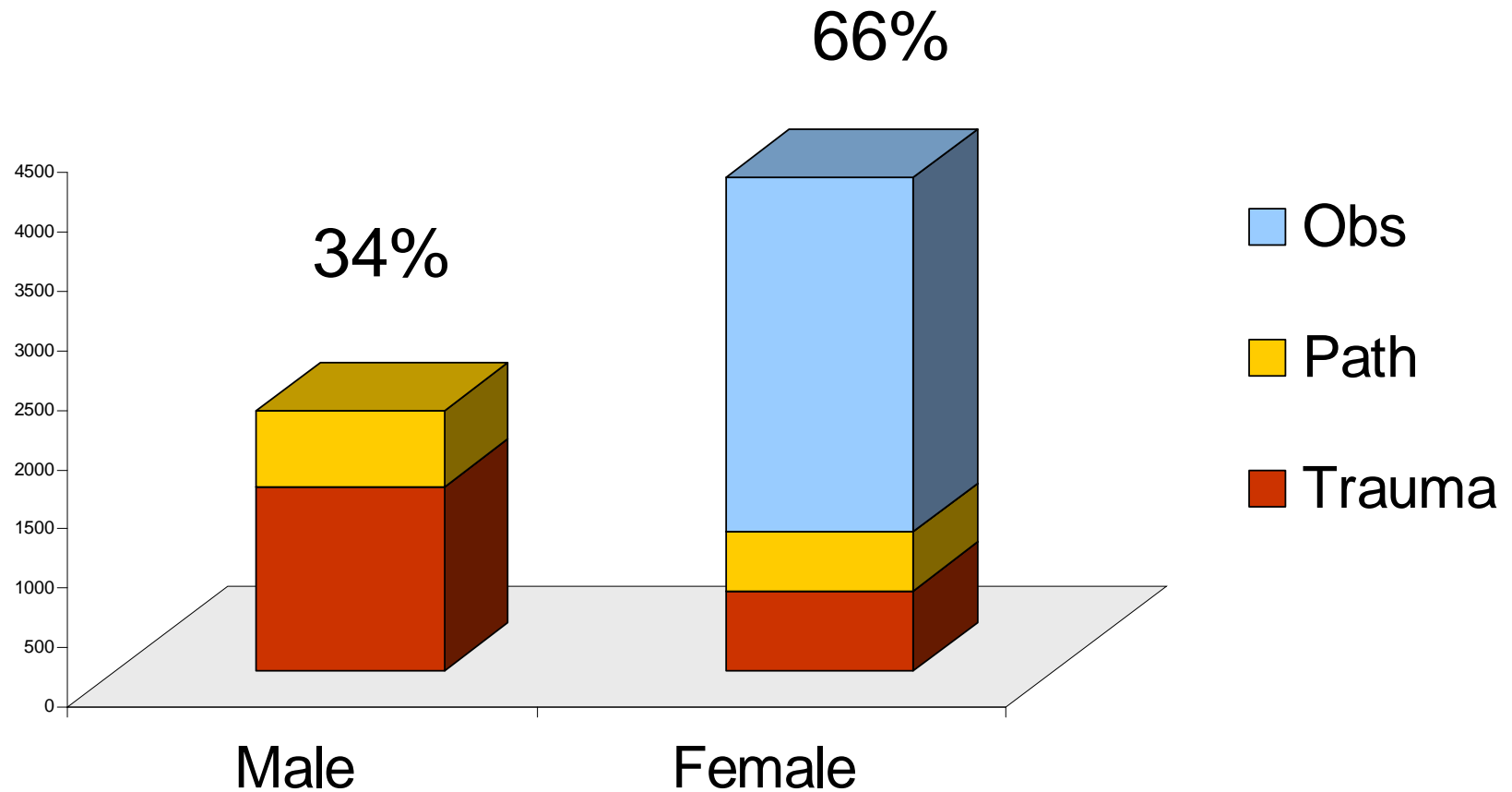
- Ratio M:F=1
- < 2 yo 1,7%
- < 5 yo 9%
- < 40 yo 80%
- ASA 1 = 71% ; ASA 2 = 24%

Male / female ratio of operated cases

MSF OCP Port au prince 2009 -2010



Acute emergencies



Peri operative mortality MSF OCP jan-sept 2010

- 9053 (50%) patient files evaluated *2009 : (62%)*
- 101 deaths

pre op	intra op	post op
21%	10%	70%
<i>(15%)</i>	<i>(9%)</i>	<i>(76%)</i>

Causes of perioperative mortality

MS OCP jan-sep 2010 (2009)

- Shock **85%** (88%)
 - hemo **38%** (33%) *trauma, obst...*
 - Septic **28 %** (17%) *acute abdomen..*
 - X organ failure **19 %** (38%) *burns, trauma...*
- Associated head injury **8 %** (3%)
- Unclear, anesthesia, misc ... **5%** (4%)
- Pulmonary embolism suspected **2%** (5%)

Factors contributing to mortality

- Hemorrhagic shock

- Difficult diagnosis 3
- Poor management in ED 2
- Impossible venous access 3
- Delay in presentation 2
- Excessive workload 1
- Hypothermia 1
- Poor post op nursing observation 2
- No compatible blood available 1

- Burns

- > 50%
- < 50 % associated risk factors :
 Âge (< 5 yo) pre-existing disease, inhalation burns, electric burns ...

Possible improvements hemorrhagic shock

- Management of trauma patients in ED
 - Referent
 - Training
 - Protocols
 - Intra osseous
 - Echo?
 - Tranexamic acid
- Management of PPH in maternity
 - Guide lines
 - Training
- Transfusion procedures (bed side verification)
- Warming system
- Post-op nursing care

Possible improvements multivisceral failure, septic shock

- Burns
 - Protocols nutrition
 - CD
- Septic shock
 - ICU / post op Referent

Possible improvements procedures

- Check list
 - Anesthesia
 - Operating theatre
- Pre op assessment

Implementation check list WHO

- Diminution 47% mortality rate
- Diminution 36 % post op complications

Check list implementation MSF 2010

- 1 mission has implemented WHO check list
Amman (Dr Ammar)
- Anesthesia Check list : in progress

Test 3 missions oct 2010:

- OT : average 73%
- Dressing OT : 58% ; 0%

MONITORING SHEET OF INTERVENTIONS MSFF-AMMAN

<p>Identity of the Patient</p> <p>Name:</p> <p>Age: MSF no:</p> <p>Date:</p>	<p>OT Staff</p> <p>Surgeon:</p> <p>Assistant:</p> <p>Anesthetist:Tech:</p> <p>Scrub nurse:</p> <p>Circulating nurse:</p> <p>Cleaner:</p>	<p>Times</p> <p>Room no:</p> <p>Entry in room: <u>Tourniquet</u></p> <p>Incision: Start.....</p> <p>Surgery finish: Finish.....</p> <p>Exit from room: Pressure.....</p>
<p>Confirmations</p> <p><input type="checkbox"/> Identity (with patient)</p> <p><input type="checkbox"/> Procedure (with patient)</p> <p><input type="checkbox"/> Patient consents and in file</p> <p>Site marked: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Allergies: <input type="checkbox"/> None <input type="checkbox"/> Yes.....</p> <p>Imaging displayed: <input type="checkbox"/> Yes <input type="checkbox"/> N/A</p> <p>Anesthesia confirms machine and medication checks were done. <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Pulse oximeter is on patient and working. <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Asked anesthesia if difficult airway or aspiration risk. <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Asked if blood needed and available. <input type="checkbox"/> Yes <input type="checkbox"/> N/A</p> <p>Prophylactic antibiotic given within the 60 minutes <input type="checkbox"/> Yes <input type="checkbox"/> N/A</p>	<p>Installation</p> <p><input type="checkbox"/> Supine</p> <p><input type="checkbox"/> Prone</p> <p><input type="checkbox"/> Right Lateral Decubitus</p> <p><input type="checkbox"/> Left Lateral Decubitus</p> <p><input type="checkbox"/> Other:</p>	<p>Anesthesia</p> <p><input type="checkbox"/> General <input type="checkbox"/> Sedation</p> <p><input type="checkbox"/> Spinal <input type="checkbox"/> Other anesthesia</p> <p><input type="checkbox"/> No anesthesia</p> <p><input type="checkbox"/> Local Anesthesia</p> <p>Medication: Amount:</p> <p>Location:</p>
<p>Type of Intervention</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>Operation Site: Right Left.....</p> <p>Electro surgical plate position: <input type="checkbox"/> Right <input type="checkbox"/> Left</p>	<p>Wound Classification</p> <p><input type="checkbox"/> Class 1 (Clean)</p> <p><input type="checkbox"/> Class 2 (Clean-contaminated)</p> <p><input type="checkbox"/> Class 3 (Contaminated)</p> <p><input type="checkbox"/> Class 4 (Dirty- Infected)</p> <p>Associated pathology: <input type="checkbox"/> HIV <input type="checkbox"/> Other:</p> <p>Antiseptic: Skin preparation:</p>	

Quality insurance





Merci