



SPORTS MEDICINE				
NO	INDICATOR	DIMENSION	STANDARD	HOSPITAL REPORTING FREQUENCY
1	Percentage of patients with waiting time of $\leq 90$ minutes to see the doctor at Sports Medicine Clinic	Customer	$\geq 70\%$	3 Monthly
2	Percentage of post-operative sports surgery patients seen within ( $\leq$ ) 3 days for initiation of rehabilitation	Effectiveness	$\geq 70\%$	3 Monthly
3	Incidence of septic arthritis within ( $\leq$ ) 2 weeks of intra- or peri-articular injection	Safety	$\leq 1\%$	3 Monthly



Indicator 1	:	Departmental
Discipline	:	Sports Medicine
Indicator	:	<b>Percentage of patients with waiting time of <math>\leq 90</math> minutes to see the doctor at Sports Medicine Clinic</b>
Dimension of Quality	:	Customer centeredness
Rationale	:	<ol style="list-style-type: none"> <li>1. Patient-centred services must give priority to prompt attention to patient needs by reducing waiting times for consultation.</li> <li>2. It is the aim of the MOH to reduce the waiting times to a minimum in line with the Circular of the Director-General of Health Malaysia No. 6/2004 – Steps to Reduce the Waiting Time in MOH Facilities.</li> </ol>
Definition of Terms	:	<b>Waiting time:</b> Time of registration/ appointment at the clinic to the time the patient is first seen by the doctor.
Criteria	:	<p><b>Inclusion:</b> NA</p> <p><b>Exclusion:</b></p> <ol style="list-style-type: none"> <li>1. Patients who request to see a specific doctor.</li> <li>2. Patients who come without an appointment (“walk-in” patients).</li> <li>3. Patients with multiple appointments on the same day.</li> <li>4. Patients slotted in for special consultation.</li> <li>5. Patients that need to do procedures on the same day before seeing the doctors e.g. x-rays, suture and wound management, or removal of cast or treatment procedures.</li> <li>6. Patient is not present when called</li> </ol>
Type of indicator	:	Rate-based process indicator
Numerator	:	Number of patients with waiting time of $\leq 90$ minutes to see the doctor at Sports Medicine Clinic
Denominator	:	Total number of patients seen at Sports Medicine Clinic during the specified period.
Formula	:	$\frac{\text{Numerator}}{\text{Denominator}} \times 100\%$
Standard	:	$\geq 70\%$
Data Collection	:	<ol style="list-style-type: none"> <li>1. <b>Where:</b> Data will be collected in Sports Medicine Clinic.</li> <li>2. <b>Who:</b> Data will be collected by Officer/ Nurse in-charge (indicator co-ordinator) of the department/ unit.</li> <li>3. <b>How frequent:</b> 3 monthly data collection.</li> <li>4. <b>Who should verify:</b> All performance data must be verified by Head of Department/ Head of Unit/ Hospital Director.</li> <li>5. <b>How to collect:</b> Data is suggested to be collected from record book/ waiting time slip/ outpatient card.</li> </ol>
Remarks	:	

Indicator 2	:	Departmental
Discipline	:	Sports Medicine
Indicator	:	<b>Percentage of post-operative sports surgery patients seen within (<math>\leq</math>) 3 days for initiation of rehabilitation</b>
Dimension of Quality	:	Effectiveness



Rationale	:	This indicator was selected to assist in the planning of post-operative rehabilitation, when they are clinically stable with tolerable pain as well as free from indwelling catheters.
Definition of Terms	:	<b>Sports surgery:</b> Sports surgery involving the shoulder and knee.
Criteria	:	<b>Inclusion:</b> NA  <b>Exclusion:</b> <ol style="list-style-type: none"> <li>1. Patients refused for treatment after referral</li> <li>2. Patient who are discharged within 3 days of surgery</li> <li>3. Patient who are not referred</li> </ol>
Type of indicator	:	Rate-based process indicator
Numerator	:	Number of post-operative sports surgery patients seen within ( $\leq$ ) 3 days for initiation of rehabilitation
Denominator	:	Total number of post-operative sports surgery patients during the specified period
Formula	:	$\frac{\text{Numerator}}{\text{Denominator}} \times 100\%$
Standard	:	$\geq 70\%$
Data Collection	:	<ol style="list-style-type: none"> <li>1. <b>Where:</b> Data will be collected in Sports Medicine wards or wards that cater for the above condition.</li> <li>2. <b>Who:</b> Data will be collected by Officer/ Nurse in-charge (indicator co-ordinator) of the department/ unit.</li> <li>3. <b>How frequent:</b> 3 monthly data collection.</li> <li>4. <b>Who should verify:</b> All performance data must be verified by Head of Department/ Head of Unit/ Hospital Director.</li> <li>5. <b>How to collect:</b> Data is suggested to be collected from patient's case note/ OT notes.</li> </ol>
Remarks	:	

Indicator 3	:	Departmental
Discipline	:	Sports Medicine
Indicator	:	<b>Incidence of Septic Arthritis within (<math>\leq</math>) 2 weeks of intra- or peri-articular injection</b>
Dimension of Quality	:	Safety
Rationale	:	<ol style="list-style-type: none"> <li>1. Sports physicians may administer intra- or peri-articular injection as part of treatment. However this procedure has been documented to cause septic arthritis, although it is very rare</li> <li>2. Septic arthritis presents an orthopaedic emergency that requires prompt recognition and early treatment to evade serious morbidity and mortality.</li> </ol>
Definition of Terms	:	<p><b>Septic arthritis:</b> Synovial joint infection demonstrating the expected clinical manifestations and supported diagnosis with laboratory workout, especially positive synovial fluid culture.</p> <p><b>Intra- or peri-articular injection sites:</b></p> <ol style="list-style-type: none"> <li>1. Shoulder joint complex (Gleno-humeral joint, Acromio-clavicular joint, Subacromial space).</li> <li>2. Knee joint.</li> </ol>



Criteria	:	<p><b>Inclusion:</b></p> <ol style="list-style-type: none"> <li>1. Clinical manifestation of septic arthritis with evidence of a positive synovial fluid culture.</li> </ol> <p><b>Exclusion:</b></p> <ol style="list-style-type: none"> <li>1. Aseptic arthritis.</li> <li>2. Immunocompromised patients</li> <li>3. Patients who defaulted follow up</li> <li>4. Patient who are uncontactable</li> <li>5. Performing joint aspiration</li> </ol>
Type of indicator	:	Rate-based outcome indicator
Numerator	:	Number of patients who develop septic arthritis within ( $\leq$ ) 2 weeks of intra- or peri-articular injection
Denominator	:	Total number of patients who received intra- or peri-articular injection
Formula	:	$\frac{\text{Numerator}}{\text{Denominator}} \times 100\%$
Standard	:	$\leq 1\%$
Data Collection	:	<ol style="list-style-type: none"> <li>1. <b>Where:</b> Data will be collected in Sports Medicine Clinic/ Sports Medicine wards or wards that cater the above condition.</li> <li>2. <b>Who:</b> Data will be collected by Officer/ Nurse in-charge (indicator coordinator) of the department/ unit.</li> <li>3. <b>How frequent:</b> 3 monthly data collection.</li> <li>4. <b>Who should verify:</b> All performance data must be verified by Head of Department/ Head of Unit/ Hospital Director.</li> <li>5. <b>How to collect:</b> Data is suggested to be collected from patient's case note/ record book.</li> </ol>
Remarks	:	