PREVALENCE OF RHEUMATIC/ MUSCULOSKELETAL DISORDERS IN JAMMU REGION- A MULTI-CENTRIC STUDY (BJD-NAN-INDIA)

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Presentation by

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STUDY DESIGN

Geographical Location: Jammu

Population Size: 4500
RESPONSE RATE

Phase I : 4500

Phase II : 522

Phase III : 522 (Response Rate : 100%)
Frequency (%) Distribution of Common Rheumatic Disorders (N=522)

RA = Rheumatoid Arthritis
OA = Osteoarthritis
SSA = Seronegative Spondylo Arthritis
JIA = Juvenile inflammatory Arthritis
STR = Soft Tissue Rheumatism
SR = Symptom Related
IDRS = Ill Defined Rheumatic Symptoms
VSR = Vertebral Spine Related
VS = Vague Symptoms
TRM = Trauma Related
### Unadjusted Crude Prevalence Rates of Rheumatic Disorders
Population N = 4500

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Prevalence (95% Confidence Interval)</th>
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<tbody>
<tr>
<td>Rheumatoid Arthritis</td>
<td>0.31 (0.17, 0.52)</td>
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<tr>
<td>Seronegative Spondylo Arthritis</td>
<td>0.04 (0.00, 0.16)</td>
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<tr>
<td>Juvenile Inflammatory Arthritis</td>
<td>0.02 (0.00, 0.12)</td>
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<tr>
<td>Osteo-Arthritis</td>
<td>4.9 (4.27, 5.55)</td>
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<tr>
<td>Soft Tissue Rheumatism</td>
<td>0.62 (0.41, 0.89)</td>
</tr>
<tr>
<td>Symptom Related (SR)/ILL – Defined Rheumatic Symptom</td>
<td>4.42 (3.84, 5.06)</td>
</tr>
<tr>
<td>Vague Symptoms</td>
<td>0.93 (0.67, 1.25)</td>
</tr>
<tr>
<td>Vertebral Spine Related</td>
<td>0.20 (0.09, 0.37)</td>
</tr>
<tr>
<td>Trauma</td>
<td>0.15 (0.06, 0.32)</td>
</tr>
</tbody>
</table>
Summary

✓ Females commonly affected with Rheumatic Disorder

✓ OA commonest disorder followed by Symptom Related (SR)/ILL–Defined Rheumatic Symptom, Vague Symptoms & RA

✓ OA commonly affected 46-65 year age group, whereas Symptom Related (SR)/ILL – Defined Rheumatic Symptom and vague symptoms affected commonly 15-45 years age group

✓ Knee OA, Low back ache, Myalgia, Frozen Shoulder & seropositive RA Common

✓ Light and moderate type of work doing people more affected

✓ HT, DM and Anemia most common co-morbid conditions