

## Cancer Treatment - Related Symptoms Trajectories Among Jordanian Patients with Cancer

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### Abstract

**Purpose:** Patients with cancer experience multiple distressing symptoms during and after chemotherapy treatment. This study aimed at secondary analyzing reported symptoms experienced by Jordanian Patients with cancer over multiple cycles of chemotherapy treatment, identifying experiencing similar symptom trajectories.

**Methods:** Subjects were 100 Jordanian Patients recruited from Two tertiary hospitals who completed the sociodemographic and clinical data sheet, Memorial Symptom Assessment Scale (MSAS) and Karnofsky Performance Status (KPS) Scale.

### Findings

Four discrete classes using latent class profile analysis were recognized: minimum distress (Class I), physical prominent distress (Class II), psychological prominent distress (Class III), and maximum distress (Class VI). Vomiting ( $M=0.92$ ) was reported as the most distressing symptom in Class I, whereas lack of energy was the most prevalent distressing symptom in Class II ( $M=3.8$ ). Subjects reported worrying ( $M=2.9$ ) as the most distressing symptom in Class III of clustering, while lack of energy ( $M= 4.75$ ) was reported to be the most prevalent in Class VI.

### Conclusion

Understanding antecedents and patterns of symptom trajectories may help practitioners to improve patients care more efficiently, permitting for refining patient outcomes and inspiring a reduction in health care costs and utilization.

### Article Information

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