

## **Overview**

- Background
- Objectives
- Methodology
- Results
- Conclusion







 High levels of absenteeism related to burnout, work-overload, job strain & stress in health care workers (Grunfeld *et al.*, 2000)











Seasonal Absence:

- Calendar months grouped into four three-month seasons
- January-March, April-June, July-September, and October-December
- Expressed using the mean sickness absence & standard error for each season

## Methodology

Daily Absence:

- Calculated total days of sickness absence for each day of the week (Monday-Friday) per worker
- Expressed using the mean sickness absence & standard error for each day of the week



# **Statistical Analysis**

- SPSS 12.0
- Simple frequencies, percentages, & crosstabulations
- Logistic regression analysis
- Statistical significance p<0.05</li>

## Results

- Complete data 244/285 (85.6%) cancer care workers
- Refusal (n=10)
- Did not meet study criteria (n=31)

#### Average absence per employee per year

- 3.93 absence events per year
- 7.62 sickness absence days per year
- 2.19 days per absence event
- 98.4% paid sickness absence









Results: Sickness Absence Events Odds Ratio (OR) & 95% Confidence Intervals (95% CI)							
Variable	Group	High SA (n)	Low SA (n)	OR estimate (95% CI)			
Age	<40 >40	82 48	53 60	2.17 (1.21-3.87			
Gender	Male Female	14 116	41 72	0.28 (0.13-0.60			
Job Level	Low High	114 16	70 41	2.54 (1.22-5.27			
Duration of Employment	<5 yrs >5 yrs	39 91	53 60	0.40 (0.22-0.72			
Duration of Employment	High <5 yrs >5 yrs ployment type (permanent v	16 39 91 s. temporary, employment	41 53 60 status (full-time vs. part-ti	0.40 (0.22-0.			

Results: Sickness Absence Duration Odds Ratio & 95% Cl							
Variable	Group	High SA (n)	Low SA (n)	OR estimate (95% CI)			
Age	<40 >40	73 47	63 61	1.70 (0.95-3.07)			
Gender	Male Female	12 108	43 81	0.32 (0.15-0.70)			
Employment Type	Permanent Temporary	101 19	90 34	1.93 (0.95-3.92)			
Job Level	Low High	107 13	77 45	3.38 (1.57-7.28)			
Duration of Employment	<5 yrs >5 yrs	33 87	60 64	0.39 (0.21-0.71)			

High SA: sickness abso Low SA: sickness abso Low job level: multicom

	0	dds Ratio & 9	5% CI	
Variable	Group	High SA (n)	Low SA (n)	OR estimate (95% CI)
Age	<40 >40	51 53	85 55	0.67 (0.37-1.20)
Gender	Male Female	14 90	41 99	0.47 (0.22-1.03)
Employment Type	Permanent Temporary	91 13	100 40	2.11 (0.99-4.51)
Job Level	Low High	88 16	96 42	2.20 (1.01-4.81)
Sub-program	Clinical Non-clinical Administration	72 30 2	74 49 17	9.55 (2.03-44.95) 6.01 (1.23-29.38)
Duration of Employment	<5 yrs >5 yrs	28 76	65 75	0.45 (0.25-0.82)

## Discussion

- Study findings may not be generalizable, but valuable •
- Seasonal absence may be an important indicator of workplace absenteeism especially in the winter months
- Health care managers need to be aware of high workplace absenteeism especially in employees under the age of 40 years, female workers, permanent employees, clinical workers, & short-term employees

## Conclusion

 Future studies might also incorporate qualitative methods & quantitative methods in order to explore other factors related to workplace absenteeism

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