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2011

Report on Work Placement Experience with the Organisation of Quality and Safety of Healthcare in Ireland

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Recommended Citation

Hanway, A. Report on Work Placement Experience with the Organisation of Quality and Safety of Healthcare in Ireland. Report produced by Aidan Hanway on his experience of his work placement with ISQSH as part of his course work on the Bsc Mathematical Science.

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Work Placement in ISQSH

- Quality and Safety of Health Care in Ireland
- Contacts with a number of national and international partners including the European and International Societies for Quality in Healthcare
- CEO: Hilary Dunne, Office Manager: Grace McNally
- Fulltime, Blanchardstown, 9am to 5pm, Formal business atmosphere.



Starting off

- Met new staff members
- Introduced to SPSS computer software
- Viewed previous accomplishments of ISQSH
- Worked on Previous Survey 2004 using SPSS and Excel

The Survey

- Previous Surveys: 2000, 2004, 2010
- 2010 Contains up to 150 Questions to analyse, Respondents: 5092
- UK NHS, French, American, All Europe Surveys
- Variety of techniques for Questions
- Staff call people to return, Send in Via Post, inputted to SPSS



My Role, Analysis



- Hilary asked for 10 hypothesis to analyse
- Selecting something I found important
- My Role: Ask Right Question, Formulate, Calculate, Present.
- SPSS, Excel, Wolfram Alpha.
- Presented it in MS Word.



	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	HospID	String	2	0	Hosp ID	None	None	16	Left	Nominal	Input
2	PatientID	String	4	0	Patient ID	None	None	15	Left	Nominal	Input
3	HostPatientID	String	6	0	Host/Patient ID	None	None	19	Left	Nominal	Input
4	Whatdatew...	String	2	0	What date were...	None	None	34	Left	Nominal	Input
5	Whatdatew...	String	22	0	What date were...	None	None	22	Left	Nominal	Input
6	Withregardt...	Numeric	22	0	With regard to ...	{1, Emergen...	None	22	Right	Nominal	Input
7	Withregardt...	String	208	0	With regard to ...	None	None	50	Left	Nominal	Input
8	Afterregistra...	Numeric	8	0	After registratio...	{1, Less tha...	None	40	Right	Nominal	Input
9	Afterbeings...	Numeric	8	0	After being see...	{1, Less tha...	None	8	Right	Nominal	Input
10	Afteryouwer...	Numeric	8	0	After you were t...	{1, Less tha...	None	8	Right	Nominal	Input
11	Howlongwer...	Numeric	11	0	How long were ...	{1, Less tha...	None	11	Right	Nominal	Input
12	Wasyourori...	Numeric	11	0	Was your origin...	{1, Yes}...	None	11	Right	Nominal	Input
13	Howmanyti...	Numeric	8	0	How many time...	{1, Once}...	None	8	Right	Nominal	Input
14	Wasyourori...	Numeric	11	0	Was your origin...	{1, Yes}...	None	11	Right	Nominal	Input
15	Howmanyti...	Numeric	8	0	How many time...	{1, Once}...	None	8	Right	Nominal	Input
16	Howlongwer...	Numeric	8	0	How long were ...	{1, Less tha...	None	8	Right	Nominal	Input
17	Wastheorigi...	Numeric	8	0	Was the origina...	{1, Yes}...	None	8	Right	Nominal	Input
18	Howmanyti...	Numeric	8	0	How many time...	{1, Once}...	None	8	Right	Nominal	Input
19	Wereyougiv...	Numeric	11	0	Were you given...	{1, Yes}...	None	11	Right	Nominal	Input
20	Wereyoutol...	Numeric	11	0	Were you told ...	{1, Yes, I w...	None	11	Right	Nominal	Input
21	Wereyoueve...	Numeric	11	0	Were you ever ...	{1, No, was ...	None	11	Right	Nominal	Input
22	Whywereyo...	Numeric	8	0	Why were you ...	{1, I request...	None	8	Right	Nominal	Input
23	Whywereyo...	String	140	0	Why were you ...	None	None	50	Left	Nominal	Input
24	Whatinfecti...	String	83	0	What infection i...	None	None	50	Left	Nominal	Input
25	Was the resp...	Numeric	8	0	Was the resp...	{1, Yes, it w...	None	8	Right	Nominal	Input

Data View Variable View

IBM SPSS Statistics Processor is ready

Working pt.1



- Waiting times – Poor, Could Analyse
- Standard Analyse
- Demographics, Satisfaction, Timeline, Location etc...
- Likert Scale analysis
- General Value assignment – Cautious

Working pt.2



- Researching – NHS, WHO – New
- Communicating with different Staff members
- Represent ISQSH
- Update Website – Facebook, Feedback
- Data Cleaning Stages
- Different Experience compared to College
- 15% Technique, 85% People

Waiting time Reports



- 3 waiting time questions
- Mean = $\Sigma(fX) / \Sigma f$
- Median = $L + w^*(N/2 - CF)/f$
- Geometric mean = $\text{antilog}((\Sigma(f*\log x)) / \Sigma f)$
- Linear Interpolation for sub intervals
- Polynomial Interpolation

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Report Summary



- Admission Type – Difference
- Procedure, Location – Not fully conclusive
- Satisfaction – Strong – Question 3a
- Timeline – Rise in Times
- Hospital Type: Private, Public

Finishing up



- Data Set available to me
- Writing Program with C++
- Reports Available and to be Reviewed –
Over 100 pages
- Insight into Business Life
- In Contact with ISQSH continuously
- Wish them the Best

Question Time

