

Tables

Table 1 Summary of body mapping data gathering process.

Survey	Date(s)	No of Staff Surveyed	When in the day	Food & Garden Waste collect
1	30/11/10 to 02/12/10	70	End of shift	No
2	21/02/13	54	End of shift	Yes
3	24/09/14 to 22/10/14	89	End of Shift	Yes

Table 2 – Comparison of APC due to Activity (excluding foot, and head)

2010		2013		2014	
				Activity	APC
Loaders-Baskets & Boxes Recycling	4.68			Loader, Mixture of all activity	2.37
		Loader - Food waste with slave bin mainly	1.84	Loaders – food waste with slave bins mainly	3.36
Loader Wheeled Bins Refuse + Sidewaste	3.00	Loader Wheeled Bins	2.04	Loaders –wheeled bins	2.76
				Loaders/Driver – all activity	2.33
Drivers – all activity	5.14	Drivers – all activity	2.18	Drivers – all activity	2.95
Average for whole service	4.02	Average for whole service	2.07	Average for whole service	2.80

Table 3 Comparison of APC (all pain).

Part of the body	APC 2010	APC 2013	APC 2014
Head – including ear	0.17	0.00	0.01
Arm including elbow	0.54	0.24	0.17
Shoulder including neck	0.91	0.19	0.51
Forearm including wrist	0.14	0.26	0.12
Back (mainly lower)	0.86	0.33	0.64
Hand and Fingers	0.20	0.13	0.06
Chest	0.03	0.00	0.01
Abdominal	0.07	0.17	0.03
Upper Leg	0.17	0.11	0.25
Knee	0.61	0.43	0.56
Lower Leg and Ankle	0.49	0.22	0.45
Foot and Toes	0.26	0.24	0.19
Total	4.46	2.31	3.00
Total less foot, toes and head¹	4.02	2.07	2.80
Percentage Response Rate ²	96	71	95
Average Age (years) by those declaring	38.42	38.25	38.63
Average length of Service by those declaring	6.20	5.88	8.03
No of staff surveyed	70	54	89

¹ Pain in these areas not associated with MSD injuries

² The percentage response rate is the total number of completed forms divided by the staff required to operate the service on a daily basis which was considered the most consistent metric

Table 4 APC, Highest by activity - - Roles are self identifying and indicate employees predominant activity

2010			2013			2014		
Activity	Part of the body	APC	Activity	Part of the body	APC	Activity	Part of the body	APC
Drivers	Shoulder including neck	2.07	Loader –Food Waste(Slave Bin)	Abdomen	0.67	Driving All Activity	Back (mainly lower)	1.05
Drivers	Back (mainly lower)	1.36	Loader –Food Waste(Slave Bin)	Lower Leg and Ankle	0.67	Mixed Activity - Loader Driver	Back (mainly lower)	0.78
Loader Boxes and Baskets	Shoulder including neck	1.12	Driving All Activity	Forearm and Wrist	0.57	Mixed Activity - Loader Driver	Lower Leg and Ankle	0.78
Loader Boxes and Baskets	Arm including elbow	0.96	Driving All Activity	Back (mainly lower)	0.57	Loader –Food Waste(Slave Bin)	Knee	0.73
Drivers	Knee	0.93	Loader -Wheeled Bins	Knee	0.48	Mixed Activity - Loader Driver	Knee	0.67
Loader Boxes and Baskets	Back (mainly lower)	0.76	Driving All Activity	Knee	0.48	Loader –Food Waste(Slave Bin)	Shoulder including neck	0.64
Loader Wheeled Bin/Bags	Back (mainly lower)	0.71	Loader-Wheeled Bins	Shoulder and Neck	0.40	Loader –Food Waste(Slave Bin)	Back (mainly lower)	0.64
Loader Wheeled Bins/Bags	Lower Leg/Ankle	0.55	Loader –Food Waste(Slave Bin)	Hand/Fingers	0.33	Loader –Food Waste(Slave Bin)	Lower Leg and Ankle	0.64