Glasgow Health Board, RHCG, Paediatrics, WC14 August 2023 28.05, STR, Resident. No monitoring.

**Band 2B** (Based on template only)

Steps through the banding flowchart:

- New Deal Compliant

- Average work above 48 hours a week

- Work pattern is a full shift, partial shift or hybrid

- Less than 1/3 of duty hours outside 7am to 7pm Mon-Fri (.266) and less than 1 weekend in 3 (1 in 4.00)

Note: The band of a rota may change if monitored hours of work are different to those suggested by the theoretical work pattern. It is particularly important to remember this if a theoretical work pattern is close to the limits of a particular payband. Differences between calculated prospective cover and actual work done by doctors to cover absent colleagues can also cause a variance between theoretical and monitored bands.

Riddell Formula Calculations

Prospective cover for: Duties outside normal hours.

Leave: STR - 71 days/annum for 24 doctors = 1704 days/annum

Total leave to be covered for the group = 1704 days/annum

Between 24 doctors this is 71 days/annum each (14.2 wks/annum each)

The normal working week = 40:30 per week.

Number of hours in a leave week = 40.5 (the hours in the normal working week)

For every leave day in the pattern, 08:06 hours has been added to the duty and work hours

(This figure is a fifth of the hours in a leave week)

Riddell hours = (Wkly hrs\*52 - Hol Wks\*Hrs in leave wk)/(52-Hol wks)

Riddell duty hours = ( 2762.5\*52 - 14.2 \* 2430)/(52 - 14.2) = 2887.41 = 48:07

Riddell work hours = ( 2762.5\*52 - 14.2 \* 2430)/(52 - 14.2) = 2887.41 = 48:07

New Deal Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Actual | Target | Comments |
| Average weekly hours of duty | 48:07 | 56:00 |  |
| Average weekly hours of work | 48:07 | 56:00 |  |
| Longest duty period | 13:00 | 14:00 |  |
| Shortest off duty | 11:00 | 08:00 |  |
| Longest 'off duty' period | 81:00 | 62:00 |  |
| Next longest 'off duty' period | 76:00 | 48:00 |  |
| Maximum consecutive duty days | 7 | 13 |  |
| 62+48 hr. breaks every 28 days | OK |  |  |

European Working Time Directive Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Actual | Target | Comments |
| Average weekly hours of work | 44:33 | 48:00 | Calculated with AL removed as per CEL 14 (2009) |
| Starting each Monday, a 35 hour continuous rest in 7 days or a 59 hour continuous rest in 14 days | OK |  |  |
| 11 hrs continuous rest in any 24 hour period | OK |  |  |

Scottish Government Additional Compliance Checks

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Actual | Target | Comments |
| No more than 7 consecutive duties in a row | OK | 7 |  |
| After nights are rostered, there must be a 46 hr minimum rest period after | OK | 46:00 |  |
| No more than 6 consecutive night duties in a row | OK | 6 |  |

Availability of normal days (Based on template only)

In a 52 week period, doctors are available during normal hours on 198 days

This reduces to 138 assuming that 60 of these days will be taken as leave

This is equivalent to 2.65 days per week.

See the paper "The European Working Time Directive 2009" by Yasmin Ahmed-Little and Matthew Bluck in "The British Journal of Health Care Management" 2006, Vol. 12, No. 12 for details of the calculation and its implications.

Template work pattern

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Wk | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 1 | D: Long1  09:00 21:30 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | H: Late2  16:00 00:00 | H: Late2  16:00 00:00 | H: Late2  16:00 00:00 |
| 2 | Zero Hours | Stnd Day  09:00 17:00 | D: Long1  09:00 21:30 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 3 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | D: Long1  09:00 21:30 | Stnd Day  08:30 17:00 |  |  |
| 4 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | F: Fri Long Day  08:30 21:30 | D: Long1  09:00 21:30 | D: Long1  09:00 21:30 |
| 5 | Zero Hours | D: Long1  09:00 21:30 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 6 | A: Nights1  21:00 09:30 | A: Nights1  21:00 09:30 | A: Nights1  21:00 09:30 | A: Nights1  21:00 09:30 | Zero Hours |  |  |
| 7 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 8 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | A: Nights1  21:00 09:30 | A: Nights1  21:00 09:30 | A: Nights1  21:00 09:30 |
| 9 | Zero Hours | Zero Hours | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 10 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 11 | Stnd Day  09:00 17:00 | C: Long2  09:00 21:30 | C: Long2  09:00 21:30 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 | I: WE Day  09:00 17:00 | I: WE Day  09:00 17:00 |
| 12 | Zero Hours | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | C: Long2  09:00 21:30 | Stnd Day  08:30 17:00 |  |  |
| 13 | H: Late2  16:00 00:00 | H: Late2  16:00 00:00 | H: Late2  16:00 00:00 | H: Late2  16:00 00:00 | Zero Hours |  |  |
| 14 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 15 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 16 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | F: Fri Long Day  08:30 21:30 | C: Long2  09:00 21:30 | C: Long2  09:00 21:30 |
| 17 | Zero Hours | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 18 | B: Nights2  21:00 09:30 | B: Nights2  21:00 09:30 | B: Nights2  21:00 09:30 | B: Nights2  21:00 09:30 | Zero Hours |  |  |
| 19 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 20 | C: Long2  09:00 21:30 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | B: Nights2  21:00 09:30 | B: Nights2  21:00 09:30 | B: Nights2  21:00 09:30 |
| 21 | Zero Hours | Zero Hours | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 22 | Stnd Day  09:00 17:00 | C: Long2  09:00 21:30 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 23 | C: Long2  09:00 21:30 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  09:00 17:00 | Stnd Day  08:30 17:00 |  |  |
| 24 | B: Nights2  21:00 09:30 | B: Nights2  21:00 09:30 | Zero Hours | Zero Hours | Stnd Day  08:30 17:00 |  |  |

Template normal working days

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Normal Week | Start | End | Rest | Hours | Num of Diary Cards | Ave Start | Ave End | Ave Rest | Ave Hours |
| Mon | 09:00 | 17:00 | 00:00 | 08:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Tue | 09:00 | 17:00 | 00:00 | 08:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Wed | 09:00 | 17:00 | 00:00 | 08:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Thu | 09:00 | 17:00 | 00:00 | 08:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Fri | 08:30 | 17:00 | 00:00 | 08:30 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |

Template on call duties

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Intensity | Resident | Start | End | Rest | Hours | Num of Diary Cards | Ave Start | Ave End | Ave Rest | Ave Hours |
| A: Nights1 | Full Shift | Yes | 21:00 | 09:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| B: Nights2 | Full Shift | Yes | 21:00 | 09:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| C: Long2 | Full Shift | Yes | 09:00 | 21:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| D: Long1 | Full Shift | Yes | 09:00 | 21:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| F: Fri Long Day | Full Shift | Yes | 08:30 | 21:30 | 00:00 | 13:00 | 0 |  |  |  |  |
| G: Late1 | Full Shift | Yes | 13:00 | 00:00 | 00:00 | 11:00 | 0 |  |  |  |  |
| H: Late2 | Full Shift | Yes | 16:00 | 00:00 | 00:00 | 08:00 | 0 |  |  |  |  |
| I: WE Day | Full Shift | Yes | 09:00 | 17:00 | 00:00 | 08:00 | 0 |  |  |  |  |

**New Deal / WTR Footnote**

This Full Shift rota has been checked and complies with the limits of the New Deal Contract for Training Grade Doctors.

On-going compliance relies on start and finish times being adhered to, natural breaks being achieved as per HDL 2003\_10 and all other New Deal limits being met.

This rota also complies with the limits of the Working Time Regulations, including the 48 hour working week, as well as Scottish Government limits.

Riddell is included for all leave.

Daniel MacDonald

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**14th June 2023.**