Glasgow Health Board, QEUH, General Surgery, SG43-53 August 2023 - OS, STC, 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 (.307) and less than 1 weekend in 3 (1 in 3.64)

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: STC - 66 days/annum for 20 doctors = 1320 days/annum

Total leave to be covered for the group = 1320 days/annum

Between 20 doctors this is 66 days/annum each (13.2 wks/annum each)

The normal working week = 45:00 per week.

Number of hours in a leave week = 45 (the hours in the normal working week)

For every leave day in the pattern, 09:00 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 = ( 2862.75\*52 - 13.2 \* 2700)/(52 - 13.2) = 2918.12 = 48:38

Riddell work hours = ( 2862.75\*52 - 13.2 \* 2700)/(52 - 13.2) = 2918.12 = 48:38

New Deal Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Actual | Target | Comments |
| Average weekly hours of duty | 48:38 | 56:00 |  |
| Average weekly hours of work | 48:38 | 56:00 |  |
| Longest duty period | 12:30 | 14:00 |  |
| Shortest off duty | 11:30 | 08:00 |  |
| Longest 'off duty' period | 135:00 | 62:00 |  |
| Next longest 'off duty' period | 135:00 | 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 | 46:05 | 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 |  |  |

Template work pattern

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Wk | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 1 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 2 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 3 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | Zero Hours | Zero Hours |  |  |
| 4 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 |
| 5 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 6 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | Zero Hours | Zero Hours |  |  |
| 7 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 |
| 8 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 9 | Zero Hours | Zero Hours | Zero Hours | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 |
| 10 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Zero Hours | Stnd Day08:00 17:00 |  |  |
| 11 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 |  |  |
| 12 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 |
| 13 | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 14 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 15 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | G: GGH Day08:00 20:30 |  |  |
| 16 | G: GGH Day08:00 20:30 | G: GGH Day08:00 20:30 | G: GGH Day08:00 20:30 | G: GGH Day08:00 20:30 | Stnd Day08:00 17:00 |  |  |
| 17 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 18 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | Zero Hours |  |  |
| 19 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 |
| 20 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 21 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 22 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 23 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | Zero Hours | Zero Hours |  |  |
| 24 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 |
| 25 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 26 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | Zero Hours | Zero Hours |  |  |
| 27 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 |
| 28 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 29 | Zero Hours | Zero Hours | Zero Hours | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 |
| 30 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Zero Hours | Stnd Day08:00 17:00 |  |  |
| 31 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 32 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 |  |  |
| 33 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | E: Acute D108:00 20:30 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 34 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | K: CEPOD08:00 17:00 | K: CEPOD08:00 17:00 |
| 35 | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 36 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | Zero Hours |  |  |
| 37 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 | C: Stack N120:00 08:30 |
| 38 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 39 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 40 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | Zero Hours | Zero Hours |  |  |

Template normal working days

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Normal Week | Start | End | Rest | Hours | Num of Diary Cards | Ave Start | Ave End | Ave Rest | Ave Hours |
| Mon | 08:00 | 17:00 | 00:00 | 09:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Tue | 08:00 | 17:00 | 00:00 | 09:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Wed | 08:00 | 17:00 | 00:00 | 09:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Thu | 08:00 | 17:00 | 00:00 | 09:00 | 0 | 00:00 | 00:00 | 00:00 | 00:00 |
| Fri | 08:00 | 17:00 | 00:00 | 09:00 | 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: HDU Day | Full Shift | Yes | 08:00 | 20:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| B: Stack D1 | Full Shift | Yes | 08:00 | 20:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| C: Stack N1 | Full Shift | Yes | 20:00 | 08:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| D: HDU Night | Full Shift | Yes | 20:00 | 08:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| E: Acute D1 | Full Shift | Yes | 08:00 | 20:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| F: Acute N1 | Full Shift | Yes | 20:00 | 08:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| G: GGH Day | Full Shift | Yes | 08:00 | 20:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| H: GGH Night | Full Shift | Yes | 20:00 | 08:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| I: Half Day | Full Shift | Yes | 08:00 | 12:00 | 00:00 | 04:00 | 0 |  |  |  |  |
| J: Acute D2 | Full Shift | Yes | 08:00 | 20:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| K: CEPOD | Full Shift | Yes | 08:00 | 17:00 | 00:00 | 09:00 | 0 |  |  |  |  |
| M: Acute N2 | Full Shift | Yes | 20:00 | 08:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| N: Stack N3 | Full Shift | Yes | 08:00 | 20:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| Q: Stack D3 | Full Shift | Yes | 08:00 | 20:30 | 00:00 | 12:30 | 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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**26th June 2023.**