**SG43-SG53**

**QUEH, General Surgery, GP-ST-CT**, 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 (.313) and less than 1 weekend in 3 (1 in 4.22)

Riddell Formula Calculations

Prospective cover for: Duties outside normal hours.

Leave: STR - 65 days/annum for 19 doctors = 1235 days/annum

Total leave to be covered for the group = 1235 days/annum

Between 19 doctors this is 65 days/annum each (13 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 = ( 2895\*52 - 13 \* 2700)/(52 - 13) = 2960 = 49:20

Riddell work hours = ( 2895\*52 - 13 \* 2700)/(52 - 13) = 2960 = 49:20

New Deal Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Actual | Target | Comments |
| Average weekly hours of duty | 49:20 | 56:00 |  |
| Average weekly hours of work | 49:20 | 56:00 |  |
| Longest duty period | 12:30 | 14:00 |  |
| Shortest off duty | 11:30 | 08:00 |  |
| Longest 'off duty' period | 159:00 | 62:00 |  |
| Next longest 'off duty' period | 95:30 | 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 | 47:28 | 48:00 | As per CEL 14 (2009) Calculation |
| 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 | 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 |  |  |
| 2 | 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 |  |  |
| 3 | Zero Hours | Zero Hours | Zero Hours | Zero Hours | G: GGH Day08:00 20:30 | G: GGH Day08:00 20:30 | G: GGH Day08:00 20:30 |
| 4 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | Zero Hours |  |  |
| 5 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 |
| 6 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 7 | 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 |  |  |
| 8 | 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 |  |  |
| 9 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | I: Half Day08:00 12:00 | Zero Hours |  |  |
| 10 | 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 |  |  |
| 11 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | Zero Hours |  |  |
| 12 | Stnd Day08:00 17:00 | 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 |
| 13 | 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 |
| 14 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Zero Hours | 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 | Stnd Day08:00 17:00 |  |  |
| 16 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | Zero Hours | Zero Hours |  |  |
| 17 | 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 |
| 18 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 19 | 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 |  |  |
| 20 | 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 |  |  |
| 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 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | Zero Hours |  |  |
| 23 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 | H: GGH Night20:00 08:30 |
| 24 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 25 | 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 |  |  |
| 26 | 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 |  |  |
| 27 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | J: Acute D208:00 20:30 | I: Half Day08:00 12:00 | Zero Hours |  |  |
| 28 | 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 |  |  |
| 29 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | F: Acute N120:00 08:30 | Zero Hours |  |  |
| 30 | Stnd Day08:00 17:00 | 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 |
| 31 | 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 |
| 32 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Zero Hours | Stnd Day08:00 17:00 |  |  |
| 33 | 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 |  |  |
| 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 |  |  |
| 35 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | M: Acute N220:00 08:30 | Zero Hours | Zero Hours |  |  |
| 36 | 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 |
| 37 | Zero Hours | Zero Hours | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 | Stnd Day08:00 17:00 |  |  |
| 38 | 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 |  |  |

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 |  |  |  |  |
| 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.

Riddell is included for all leave.

Daniel MacDonald

**Programme Director**

**Tel: 07818012167**

**Email:** **daniel.macdonald@scotland.gsi.gov.uk**

**16th July 2015.**