Glasgow Health Board, IRH, General Medicine, Rota EC40 7 day wkg 28.4.15, F1, 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 (.123) and less than 1 weekend in 3 (1 in 6.00)

Riddell Formula Calculations

Prospective cover for: Duties outside normal hours.

Leave: F1 - 35 days/annum for 2 doctors = 70 days/annum

Total leave to be covered for the group = 70 days/annum

Between 2 doctors this is 35 days/annum each (7 wks/annum each)

The normal working week = 40:00 per week.

Number of hours in a leave week = 40 (the hours in the normal working week)

For every leave day in the pattern, 08:00 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 = ( 2921.67\*52 - 7 \* 2400)/(52 - 7) = 3002.82 = 50:03

Riddell work hours = ( 2921.67\*52 - 7 \* 2400)/(52 - 7) = 3002.82 = 50:03

New Deal Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Actual | Target | Comments |
| Average weekly hours of duty | 50:03 | 56:00 |  |
| Average weekly hours of work | 50:03 | 56:00 |  |
| Longest duty period | 13:00 | 14:00 |  |
| Shortest off duty | 10:45 | 08:00 |  |
| Longest 'off duty' period | 69:00 | 62:00 |  |
| Next longest 'off duty' period | 68:15 | 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 | 48:00 | 48:00 | As per CEL14 (2009) calculation |
| Average hours (before adjustments) | 48:42 |  |  |
| 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 | Warning  |  | Thu of week 12 does not have an 11 hour continuous break. The longest continuous break is 10:45. A total of 5 days have inadequate continuous rest. Compensatory rest will be required.  |

Template work pattern

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Wk | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 1 | E: L Day 1st on09:00 21:30 | G: Med Half Day09:00 13:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 |  |  |
| 2 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | F: L Day 2nd on09:00 21:30 | E: L Day 1st on09:00 21:30 | F: L Day 2nd on09:00 21:30 |
| 3 | Zero Hours | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | E: L Day 1st on09:00 21:30 | G: Med Half Day09:00 13:00 |  |  |
| 4 | F: L Day 2nd on09:00 21:30 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 |  |  |
| 5 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 |  |  |
| 6 | Stnd Day09:00 17:00 | F: L Day 2nd on09:00 21:30 | Zero Hours | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 |  |  |
| 7 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | F: L Day 2nd on09:00 21:30 | E: L Day 1st on09:00 21:30 | F: L Day 2nd on09:00 21:30 |
| 8 | Zero Hours | Stnd Day09:00 17:00 | F: L Day 2nd on09:00 21:30 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 |  |  |
| 9 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | Stnd Day09:00 17:00 | E: L Day 1st on09:00 21:30 | G: Med Half Day09:00 13:00 |  |  |
| 10 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | D: Half Day08:00 12:00 |  |  |
| 11 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | D: Half Day08:00 12:00 |  |  |
| 12 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | B: surg LD wk08:15 21:15 | B: surg LD wk08:15 21:15 | D: Half Day08:00 12:00 |  |  |
| 13 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | E: L Day 1st on09:00 21:30 | F: L Day 2nd on09:00 21:30 | E: L Day 1st on09:00 21:30 |
| 14 | Zero Hours | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | D: Half Day08:00 12:00 |  |  |
| 15 | B: surg LD wk08:15 21:15 | C: Surgery Day08:00 19:00 | B: surg LD wk08:15 21:15 | C: Surgery Day08:00 19:00 | D: Half Day08:00 12:00 |  |  |
| 16 | B: surg LD wk08:15 21:15 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | D: Half Day08:00 12:00 |  |  |
| 17 | B: surg LD wk08:15 21:15 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | D: Half Day08:00 12:00 |  |  |
| 18 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | C: Surgery Day08:00 19:00 | D: Half Day08:00 12:00 |  |  |

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 | 09:00 | 17:00 | 00:00 | 08:00 | 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: Surgery LD | Full Shift | Yes | 08:00 | 19:00 | 00:00 | 11:00 | 0 |  |  |  |  |
| B: surg LD wk | Full Shift | Yes | 08:15 | 21:15 | 00:00 | 13:00 | 0 |  |  |  |  |
| C: Surgery Day | Full Shift | Yes | 08:00 | 19:00 | 00:00 | 11:00 | 0 |  |  |  |  |
| D: Half Day | Full Shift | Yes | 08:00 | 12:00 | 00:00 | 04:00 | 0 |  |  |  |  |
| E: L Day 1st on | Full Shift | Yes | 09:00 | 21:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| F: L Day 2nd on | Full Shift | Yes | 09:00 | 21:30 | 00:00 | 12:30 | 0 |  |  |  |  |
| G: Med Half Day | Full Shift | Yes | 09:00 | 13:00 | 00:00 | 04:00 | 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.

Riddell is included for all leave.

Daniel MacDonald

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**14th July 2015.**