Brighton and Sussex University Hospital NHS Trust – Brighton 3Ts

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Development of strategy to establish standard multi-bed spacing widths

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Section 1.

INTRODUCTION
1.0 Introduction

The purpose of this study is to document design development of delivering same sex accommodation for all multi-bed bay instances across the Brighton 3Ts project.

The study sets out the relevant guidance, supported by the appropriate illustrative design examples to highlight the direct relationship to the current project specific Standard Room for a multi-bedroom solution which is being adopted throughout the 3T’s departmental and whole hospital layouts (unless expressly noted otherwise).

The standard room multi-bedroom design layout is an essential component in the 1/200, 1/50 room standardisation process.

Guidance

Health Building Notes give “best practice” guidance on the design and planning of new healthcare buildings and on the adaptation/ extension of existing facilities. They provide information to support the briefing and design processes for individual projects in the NHS building programme.

The Health Building Note dealing with same sex bed spacing for typical single and multi-bed layouts are Health Building Note 04-01: Adult in-patient facilities and Health Building Note 00-03: Clinical and clinical support spaces. They outline the following guidance.

HBN 00-04
4.24 The provision of sufficient space in clinical areas, particularly for each bed space, is one of the most important considerations in the planning and design of in-patient accommodation. Ergonomic studies have established that most activities carried out at the bedside can be accommodated within the dimensions 3600 mm (width) × 3700 mm (depth). This represents the clear bed space and does not include space for fixed storage, preparation and worktops.

HBN 00-03
Single Bed space 3600W x 3700D, Fig. 1, p.4

HBN 00-03
Multi-Bed space 3600W x 3700D (3100D to curtain), Fig. 2, p.7
Other Guidance

Health Technical Memoranda provides specification and design guidance, not adequately covered by current British Standards, on building components for health buildings. The guidance given in Health Technical Memorandum applies to all new capital projects and whenever refurbishment or repair is required to existing facilities. Currently there is no relevant HTM guidance for the provision of bed spaces.

Building Regulation Approved Documents are a series of documents that has been approved for issue by the Secretary of State for the purpose of providing practical guidance with respect to Schedules 1 to 7 of the Building Regulations 2000 for England and Wales and its subsequent amendments. Approved documents are intended to provide Guidance for some of the more common building situations. However there may well be alternative ways of achieving compliance with the requirements. Thus there is no obligation to adopt any particular solution contained in Approved Document if there is a preference to meet the relevant requirement in some other way. Currently there is no relevant Building Regulation for the provision of bed spaces.

British Standard takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading. Any user claiming compliance with this British Standard is expected to be able to justify any course of action that deviates from its recommendations. Currently there is no relevant Building Standard for the provision of bed spaces.

**NOTE**—Health Building Notes do not differentiate between standard patient bed space provision and bariatric patient bed space provision.
Section 2.

Standard Multi Bedroom Review
2.0 Health Building Note 00-03: Clinical and clinical support spaces.

The Brighton 3Ts Standard Room for Multi-Bedrooms is designed to comply with the recommended room size and layout in HBN 00-03.

In all instances, each bed bay is sized to 3600D x 3700W, resulting in a typical 4 bed bay size of 7200D x 7400W as illustrated below.

This standard layout is always used to ensure that 3600mm bed centres can be achieved.
Section 3.

Review of Floor Plans Stage 1
3.1 Stage 1 Level 01: Main Entrance and OPD.

No in-patient multi-bed bays on current Level 01 clinical layout.
3.2 Stage 1 Level 02: Nuclear Medicine and OPD.

No in-patient multi-bed bays on current Level 02 clinical layout.
3.3 Stage 1 Level 03: Neuro OPD and FM.

No in-patient multi-bed bays on current Level 03 clinical layout.
3.4 Stage 1 Level 04: Fracture and Imaging (Cold).
No in-patient multi-bed bays on current Level 03 clinical layout.
3.5 Stage 1 Level 05: AMU and Ambulatory Care.

All multi-bed bays on the current Level 05 layout comply with the recommended HBN guidance for 3.6m bed centres.
3.6 Stage 1 Level 05: Hot Imaging – Recovery – Neuro-Theatres.

All critical care multi bed bays are not required to comply with HBN 04-01 (3.6m centres).

Theatre recovery multi bed bays are not required to comply with HBN 04-01 (3.6m centres).

Bed wait multi bed bays are not required to comply with HBN 04-01 (3.6m centres).
3.7 Stage 1 Level 06: AMU CIS Ward and CIS OPD.

No in-patient multi-bed bays on current Level 06 clinical layout.
3.8 Stage 1 Level 06: Multi faith – PALS & Cafe

No in-patient multi-bed bays on Level 06.
3.9 Stage 1 Level 07: Critical Care.

No in-patient multi-bed bays on current Level 07 clinical layout.

All critical care multi bed bays are not required to comply with HBN 04-01 (3.6m centres).
3.10 Stage 1 Level 08: Medical Ward – 80 Beds.

All multi-bed bays on the current Level 08 layout comply with the recommended HBN guidance for 3.6m bed centres.
3.11 Stage 1 Level 09: Medical Ward; MDU / Neurosurgery Wards; Med. Ward St Ch: ADL

All multi-bed bays on the current Level 09 layout comply with the recommended HBN guidance for 3.6m bed centres.

All multi-bed bays on the current Level 10 layout comply with the recommended HBN guidance for 3.6m bed centres.
3.13 Stage 1 Level 11: Simulation / Meet / Teach, Doctors Mess, Management Offices.

No in-patient multi-bed bays on current Level 11 clinical layout.
Section 4.

Review of Floor Plans Stage 2
4.1 Stage 2 Level 01: Oncology – Radiotherapy – Medical Physics

*No in-patient multi-bed bays on current Level 01 clinical layout.*
4.2 Stage 2 Level 02: Trust HQ

No in-patient multi-bed bays on current Level 02 clinical layout.
4.3 Stage 2 Level 03: BSMS - CIRU

No in-patient multi-bed bays on current Level 03 clinical layout.
4.5 Stage 2 Level 03: Oncology and Palliative Care

*No in-patient multi-bed bays on current Level 03 clinical layout.*
4.5 Stage 2 Level 04: Oncology Outpatients – Oncology Day care – Aseptic Suite

*No in-patient multi-bed bays on current Level 04 clinical layout.*
4.6 Stage 2 Level 05: Oncology Ward 1 & 2

All multi-bed bays on the current Level 05 layout comply with the recommended HBN guidance for 3.6m bed centres.