GENERAL HEALTH AND SAFETY RISK ASSESSMENT FORM

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| Site | **Barnes and Dental Library**  | **Department** | **Library Services**  | **Version / Ref No.** | **1.9** |
| **Activity Location** | **Barnes and Dental Libraries – abridged and localised Risk Assessment drawn from Main Library Risk Assessment.** **The wider Medical School and Dental Hospital Risk Assessments apply as overall RA documentation.**  | **Activity Description** | **COVID-19 Building Risk Assessment**This risk assessment relates to all services provided within the Barnes and Dental Libraries. Libraries are now allowed to operate without the suite of restrictions and controls they have previously implemented. This Risk Assessment reflects these changes and highlights a number of additional measures that will be maintained to mitigate risk. This Risk Assessment had been developed from a service and staff perspective and follows the latest guidance provided by Libraries Connected which has informed the basis of the Libraries response throughout the pandemic. It also incorporates the University Guidance for Buildings Managers in revising building and activity risk assessments circulated on the 05/08/21. All public areas and services will be accessible to students, staff and those visiting the University. From the 15th November, those in receipt of SCONUL Access will also be able to access the building and study/ access the collection. **Maximum Library patron utilisation Barnes 220\*** **Total staff 6** **Maximum Library patron utilisation Dental - 30** **\*Pending the completion of second floor space redesign.**  |
| **Assessor** | **Ian Keepins**  | **Assessment Date** | **23/08/21** | **Date of Assessment Review** | **23/09/21** |
| **Academic / Manager Name** | **Diane Job**  | **Academic / Manager Signature** |  |
| Hazard Assessment | Control Assessment | Actions |
| Hazard Category | Hazards Identified | Who might be harmed?StaffStudentsContractors Others | How might people be harmed? | Existing Control Measures | Initial Risk Rating | Are these adequate?Yes/No | Changes to/ Additional Controls | Residual Risk Rating | Owner | Due Date | Action Complete |
| S | L | R | S | L | R |  |  |  |
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| Organisational | Psychological well being | Staff  | Anxiety and stress caused by concerns around returning to work and studies on Campus | Regular communication is in place (individual and group) via a range of measures including; weekly all staff briefing sent to all Library Services staff via the Director of the Services outlining activity to update. Non-Library departments follow a similar patterns of communication based on their local arrangements. Regular team meetings are scheduled in virtual and physical formats for colleagues to raise concerns and to be updated on developments. 1:1’s are scheduled with individuals to address issues of personal nature that would not normally be shared in a public environment. Initial site inductions take place to ensure all staff are familiar with arrangements. Students are advised via notices and posters of requirements, alongside information provided via webpage/ social media posts. Library Services have developed a resource list relating to wellbeing that has been shared across the University for colleagues to access materials held within the collection that may help to address concerns relating to anxiety, stress and general mental wellbeing. All these measures are designed to ensure staff and students are not ill-informed about returning to work/ study safely. Advice is shared with staff members and staff have been fully briefed and kept up to date with current advice on staying protected through the University’s lines of communications (i,e line managers, Internal Comms) and shared with staff via team meetings, one to one meetings, a specific Teams channel and weekly email communications and the University’s Coronavirus FAQ’s [click here](https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx). Best practice documentation produced with a specific focus on libraries has been cascaded to team members to raise awareness and offer assurance <https://www.librariesconnected.org.uk/resource/service-recovery-toolkit-word> Risk assessment shared and an electronic copy is available on <https://intranet.birmingham.ac.uk/staff/coronavrus/phased-campus-reopening-building-risk-assessment.aspx> New workplace/controls put in place to reduce risk of exposure to COVID-19 are documented in and disseminated to employees through Line Managers, Team meetings, 1:1’s and a dedicated Teams channel. These include: * Local Induction Materials
* COVID-19 Building Risk Assessment (This completed Risk Assessment)

Line managers are aware of how big changes to working arrangements may cause additional work-related stress and affect their employees’ mental health and wellbeing and individuals have been made aware. All staff are briefed via a weekly email sent by the Director which reference support offered by the University via the welfare pages. Line managers undertake 1:1’s virtually or physically, and team meetings are used to discuss common concerns and offer peer support. Signposting to resources held within the collection is discussed and recommended. For colleagues requiring further support a referral to Occupational Health would be made. Individuals have been made aware via of guidance available in relation to this: <https://www.hse.gov.uk/stress/><https://intranet.birmingham.ac.uk/staff/coronavirus/Coronavirus-wellbeing-support.aspx><http://www.selfhelpguides.ntw.nhs.uk/birmingham/leaflets/selfhelp/Stress.pdf>  | 2 | 2 | 4 | Y | .. |  |  |  |  |  |  |
| Organisational | Psychological well being | Staff | Anxiety and stress caused by concerns around returning to work on Campus | Managers hold regular informal discussions with their *team via physical and virtual team meetings, 1:1’s and impromptu conversations* and look at ways to reduce causes of stress. Concerns on workload issues or support needs are escalated to line manager via 1:1’s with appropriate interventions made. Line managers ensure work is arranged to deliver core activity as established by senior management. Any secondary/ non-core activity is deprioritised to focus capacity on priority work areas. Information on the full range of Coronavirus – Covid-19 support available for staff including those who were previously advised by Occupational Health or a medical professional (including a midwife in respect of pregnancy) ***not*** to work on campus and staff who are in the [clinically extremely vulnerable group](https://www.gov.uk/government/publications/guidance-on-shielding-and-protecting-extremely-vulnerable-persons-from-covid-19/guidance-on-shielding-and-protecting-extremely-vulnerable-persons-from-covid-19#what-will-change-from-1-august) (i.e. those previously advised to shield) is available [here](https://intranet.birmingham.ac.uk/hr/wellbeing/index.aspx).Existing risk assessments including those for new or expectant mothers reviewed and revised to reflect new working arrangements. Reasonable adjustments made, including those needed for PEEPs especially in relation to who will assist with their evacuation in an emergency, to avoid staff that require them including disabled workers being put at a disadvantage. Employees who have concerns about either working on Campus or working from home/remotely have discussed these with their line manager or supervisor either using the [University’s Covid-19 Return to Campus Discussion Form](https://intranet.birmingham.ac.uk/hr/documents/public/Wellbeing/Covid-19-Return-to-Campus-Discussion-Form.docx) or an alternative method whereby concerns have been formally recorded and where necessary they have been signposted to the [EAP](https://intranet.birmingham.ac.uk/hr/wellbeing/workhealth/employee-assistance-programme-eap.aspx) for support and / or a referral to occupational health has been made using a standard Management Referral available via the HR Portal.Employees are made aware of support mechanisms available to them (e.g. counselling, occupational health, HR, etc.) through line managers, internal communications and University webpages: <https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx><https://intranet.birmingham.ac.uk/hr/wellbeing/index.aspx><https://intranet.birmingham.ac.uk/hr/wellbeing/workhealth/index.aspx>This link is for students:<https://intranet.birmingham.ac.uk/student/coronavirus/Wellbeing.aspx> | 2 | 2 | 4 | Y |  |  |  |  |  |  |  |
| Biological | Virus transmission in the workplace/ study environment  | Staff / Students/ Visitors  | Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking. | Staff continue to work using a mixed model of site and home based (hybrid working) as agreed with the line manager, in line with Government and University guidance. Managers/ supervisors ensure staff and students with any form of illness do not attend work / campus until the illness has been verified as not being COVID-19. Any student/ visitor entering the building displaying signs of illness will advised to seek medical advice and signposted to relevant support information. Managers / supervisors keep track of when staff can return to work/ campus after the self-isolation period. Regular access to the Lateral Flow Device tests and kits are available to staff and students who are coming onto campus. Staff and students are strongly encouraged to test twice a week and to record their results on the Government’s reporting website: <https://www.gov.uk/report-covid19-result> and to report any positive test results to the University using the [COVID-19 reporting form](https://intranet.birmingham.ac.uk/staff/coronavirus/test-and-trace.aspx). The University’s [***On-line induction materials for returning to campus***](https://intranet.birmingham.ac.uk/staff/coronavirus/essential-resources-and-checklist.aspx) combination of the guidance and videos have been provided and completed for all staff working in University buildings*.* Schedules for essential services and contractor visits revised to reduce interaction and overlap between people and building managers and occupants informed of when the visits will take place and which services are being maintained. For instance carrying out repairs by the same company are scheduled together. For student facing activity staff will be encouraged to maintain space between themselves and customers. Physical barriers will remain in place. Staff and students will be actively encouraged to continue to wear face coverings as will those accessing the library for study or browsing. The use of hand gels will be encouraged via staff interventions and appropriate signage. Gloves will continue to be provided for staff who wish to use them. Un-essential trips within buildings and sites discouraged and reduced e.g. not visiting a site library from the Main Library and vis versa without a purpose i.e. pre-arranged meeting or obtaining materials for digitisation, designated shift etc.  | 3 | 2 | 6 | Y |  |  |  |  |  |  |  |
| Environmental | Virus transmission in the workplace/ study environment  | Staff / Students/ Visitors | Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking. | Workplace routines changed to reduce the number of people staff come into contact with including: * Arrival and departure times at work have been staggered to reduce crowding into and out of the workplace, taking account the impact on those with protected characteristics.
* Staff have been separated into teams to reduce contact between employees. This includes the introduction of hybrid working which sees staff continuing to work away from Campus, or utilising other locations within the management of Library Services.
* Campus Services and ITS staff will continue to operate from dedicated work areas with defined access and egress points.
* Teams will be separated as far as possible utilising a split office arrangement.
* Personalisation of desks will not be allowed, additional lockers will be provided if required for the storage of personal items.
* Keep left signage will be maintained.
* Screens or barriers used to separate people from each other especially where people come into close proximity with each other including at points of service, for example at reception desks, tills and counters.
* Library Services will be a cashless service utilising contactless payment methods as required.
* Back to Back or side to side working (rather than face-to-face) used whenever possible, with the use of screens in areas when this is not possible.
* Number of people each person has contact with is reduced by using ‘fixed teams or partnering’ (so each person works with only a few others).
* Welfare areas for serving hot food or drinks have been assessed in accordance with government guidance to reduce the number of people being able to congregate. Smaller kitchens continue to be used at reduced capacities. All users are encouraged to wash or sanitise their hands prior to using equipment (kettle, drinking water fountains, microwaves etc). and to wash or sanitise their hands after use. Additional signage for the correct method for handwashing displayed. Cleaning materials are available to clean equipment before and after use and signs displayed with information about cleaning materials. Signage also asks users to avoid touching the water cooler/ fountain spout with their bottles or hands.
* Where available safe outside areas used for breaks.
* Welfare facilities (toilets etc.) have signage to remind people to wash their hands prior to and after use and also of any other measures required to ensure safe use of the facilities including building users being reminded to leave facilities in a respectable condition.

To help contain clusters and outbreaks and assist the University with any requests for data by NHS Test and Trace service a temporary record of shift patterns and teams and attendance in the building is kept for 21 days. NHS Test and Trace QR code is displayed in the building for visitors and staff to scan using the NHS Covid-19 App. Staff will encourage students/ staff and visitors to scan upon entry. Work has been arranged so that staff are able to maintain the government guidelines for workplaces. The latest Guidelines on these measures can be found by clicking the following link [Workplace Guidelines.](https://www.gov.uk/guidance/working-safely-during-covid-19) Due to potential increased risk of transmission from aerosol transmission steps have been taken to avoid people needing to unduly raise their voices to each other e.g. not playing music or broadcasts at a volume that makes normal conversation difficult, using a microphones during training sessions. Wherever one way systems assist the flow of people and avoid crowding or congestion should be maintained, with appropriate signage and other visual aids in place. Signage is used throughout the building / workplace relating to hand hygiene, respecting personal space and distance choosing to wear a face covering will be in place. Students will be actively encouraged via a series of scheduled communication campaigns over multiple platforms to maintain and respect both staff and other students personal space and maintain space and make best use of the available study spaces. Students will be actively encouraged to scan the NHS Track and Trace QR code upon entry and be encouraged to continue to wear a face- covering whilst moving around the library and studying. Students, staff and visitors will be actively encouraged to continue to use virtual chat as a primary means of support and guidance. Library Services will maintain the keep left messaging to help minimise congestion in high traffic areas e.g. stairwells. For group study rooms signage will be in place asking those waiting to enter the room to allow space for those vacating. Wipes will be provided via cleaning stations with instructions provided to staff and students concerning the wiping down of desks pre and post use. Signage actively encouraging the use of hand sanitiser upon entry and at regular intervals will be displayed with multiple sanitisation units in place throughout the building to facilitate. Signage asking staff and students not to move furniture will be on display. Staff, students and visitors will be advised via signage and information contained on the Library Services webpages / social media channels to stay at the same table throughout their time within the Library. Students, staff and visitors will be actively encouraged through communication via posters/ webpage information and social media channels not to loiter unnecessarily outside group rooms or communal areas of the library. Students, staff and visitors will be requested to wear face-coverings whilst studying. Students will continue to be encouraged via social media posts/ posters to use stairs as far as possible and to stay left when moving around the library. Student water fountains will be reinstated with instructions in place for safe use. Student and staff lockers will be reinstated with cleaning instructions and cleaning materials provided in close proximity. Visits from people outside of the building continue to be managed via remote connection/working where this is an option. Where this is not an option visitor and contractor arrangements have been revised to ensure: Clear guidance on how to reduce the risk of spreading COVID-19 to people is given to them, for example, by phone, on the website or by email or with on-site signage and visual aids and the particular needs of those with protected characteristics, such as those who are hearing or visually impaired have been considered. Host responsibilities related to COVID -19 have been established and any necessary training for people who act as hosts for visitors has been provided. Entry and exit routes for visitors and contractors have been reviewed to minimise contact with other people. In shared facilities e.g. with other employers COVID -19 related arrangements have been coordinated and there is co-operation by all occupiers. This includes landlords and other tenants. Visitors are told they should be prepared to remove face-coverings if asked to do so by the police officers and staff for identification. Information provided to visitors does not compromise their safety. These measures are monitored by the local supervising staff member and where necessary concerns fed back to the third party manager.Information provided and signs displayed encouraging people to use the stairwells rather than lifts unless they have difficulty using the stairs and to wear face coverings inside lifts when used.Non work related gatherings (social) gathering amongst employees have been discouraged whilst at work and alternative arrangements made where possible e.g. meeting virtually or outside.Large gatherings including events in public spaces that are organised by the University are only permitted with steps to mitigate the risk of transmission and in line with COVID-19 Secure guidance including the completion of a specific risk assessment. [Working safely during coronavirus (COVID-19): guidance from Step 4 - Guidance - GOV.UK (www.gov.uk)](https://www.gov.uk/guidance/working-safely-during-covid-19)Managers perform frequent evaluation against social contact controls. These are undertaken via 1:1’s and team meetings. Staff and library patrons are reminded, via social media, public announcements via the internal tannoy system and staff interventions and team meetings/ 1:1’s on a daily basis of the importance of reducing social contacts both in the workplace and outside of it. Near-miss reporting is encouraged to identify where controls cannot be followed or people are not doing what they should.Face coverings are not PPE and are not normally required to be worn in the workplace but the University strongly encourages staff, students, contractors and visitors to continue to wear face coverings inside buildings and where people choose to wear them they are supported. Where face coverings may reduce the risk of transmission from one person to another e.g. in congested areas, crowded enclosed spaces and where people may come into contact with people they do not normally meet, signs are displayed requesting individuals to wear a face covering with the expectation that individuals will wear a face covering in these areas. Individuals have been reminded through electronic and physical posters, social media and other virtual platforms, as well as via direct conversations prior to entry of how to use face coverings safely including the following:When wearing a face covering you should:* wash your hands thoroughly with soap and water for 20 seconds or use hand sanitiser before putting a face covering on and before and after removing it
* avoid wearing on your neck or forehead
* avoid touching the face covering or your face, as it could contaminate it with germs from your hands
* change the face covering if it becomes damp or if you’ve touched it
* continue to wash your hands regularly
* change or wash your face coverings daily
* if the material is washable, wash it in line with manufacturer’s instructions. If it’s not washable, dispose of it carefully in their usual waste

Extra non recycling bins to dispose of single use face coverings and PPE are provided, refer to the [guidance on how to dispose of personal or business waste, including face coverings and PPE](https://www.gov.uk/guidance/coronavirus-covid-19-disposing-of-waste).  | 3 | 2 | 6 | Y |  |  |  |  |  |  |  |
| Biological Biological | Suspected case of COVID-19 Suspected case of COVID-19  | Staff/Library Patron  | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19.Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | Response plan in place in the event a confirmed or suspected case of COVID-19 and communicated and includes:* If a person becomes unwell in the workplace with suspected COVID-19, they will be sent home in accordance to the University guidance. Managers will follow the NHS Test and Trace workplace guidance: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance>
* The area will be cleaned in accordance with the specific Government [guidance](https://www.gov.uk/government/publications/covid-19-decontamination-in-non-healthcare-settings/covid-19-decontamination-in-non-healthcare-settings) and includes:
	+ cleaning an area with validated disinfectants after someone with suspected coronavirus (COVID-19) has left will reduce the risk of passing the infection on to other people
	+ Where possible the area will be closed and secure for 72 hours, before cleaning as the amount of virus living on surfaces will have reduced significantly by 72 hours
	+ Disposable gloves, masks and aprons will be worn for cleaning. These will be double bagged, then stored securely for 72 hours then thrown away in the regular rubbish after cleaning is finished
	+ Once symptomatic, all surfaces that the person has come into contact with will be cleaned with validated disinfectants (including touchpoints)
* Provision and monitoring of adequate supplies of cleaning materials are in place.
* Team briefed on actions to be taken in the event of someone being suspected of having COVID-19.
* Staff must tell their line manager if they develop symptoms. Absence will be managed in accordance to the University guidance provided.
* Employees to follow the Government advice: <https://www.gov.uk/coronavirus>
* Line managers will maintain regular contact with staff members in accordance with the University sickness absence guidance and monitor for signs of symptoms in the remaining workforce and keep Senior Managers informed of the situation whilst following the Government’s guidance for contact tracing: contact with co-workers: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance>
* If an individual tests positive for COVID-19 this will be managed in accordance with the University’s Test, Trace and Protect Process.
* If multiple cases of coronavirus appear in a workplace, an outbreak control team from either the local authority or Public Health England will, if necessary, be assigned to help the University manage the outbreak. The University will seek advice from the local authority in the first instance.
* Staff will be told to isolate because they:
	+ have coronavirus symptoms and are awaiting a test result
	+ have tested positive for coronavirus
	+ meet the criteria included in the [Government Stay at Home Guidance](https://www.gov.uk/government/publications/covid-19-stay-at-home-guidance/stay-at-home-guidance-for-households-with-possible-coronavirus-covid-19-infection)

Access to the Barnes and Dental Libraries will adhere to the access arrangements agreed within the MDS Risk Assessments. Staff have been briefed of this process as part of their return to work induction via their line manager.  | 3 | 2 | 6 | Y |  |  |  |  |  |  |  |
| Biological | Suspected or known case of COVID -19  | Staff/Patrons  | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | Companies who regularly attend or work in the building requested to provide their health and safety policy/arrangements / or RAMS (risk assessment and method statement) regarding COVID-19.Anybody visiting site will be informed that they are not to enter if they’re experiencing COVID-19 symptoms or should be self-isolating under the government Guidelines.If a person becomes unwell in a University workplace with suspected COVID-19, they will be sent home in accordance to their company’s and University’s guidance. University managers will follow the University’s [Test, Trace and Protect Process](https://intranet.birmingham.ac.uk/staff/coronavirus/test-and-trace.aspx) and NHS Test and Trace workplace guidance any University staff that may have come into contact with them:<https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance> | 3 | 2 | 6 | Y |  |  |  |  |  |  |  |
| EnvironmentalEnvironmentalEnvironmental | Virus transmission in the workplaceVirus transmission in the workplace | Staff and Library Patrons  | Contact with an object that has been contaminated with COVID-19 and which subsequently transmits this to another person e.g. surfaces, any inanimate objects & touch points including work surfaces, work equipment, door handles, banisters, chair arms and floors.Contact with an object that has been contaminated with COVID-19 and which subsequently transmits this to another person e.g. surfaces, any inanimate objects & touch points including work surfaces, work equipment, door handles, banisters, chair arms and floors. | Individual have been instructed and are regularly reminded via team meetings, social media posts, web based information and regular tannoy announcements to clean their hands frequently with soap and water for 20 seconds and the importance of proper drying in accordance with NHS Guidance:<https://www.nhs.uk/live-well/healthy-body/best-way-to-wash-your-hands/> Soap and water and hand sanitiser are provided in the workplace and study spaces and adequate supplies are maintained and are placed at the entrance to the building and other areas via cleaning stations are provided within staff and patron facing areas where they will be seen. Individuals have been informed to check their skin for dryness and cracking and inform their line manager or supervisor if there is a problem. Individuals are reminded to catch coughs and sneezes in tissues – Follow: “Catch it, Bin it, Kill it” and to avoid touching face, eyes, nose or mouth with unclean hands. Posters are displayed around the workplace. To help reduce the spread of coronavirus (COVID-19) individuals are reminded via 1:1’s, Team meetings, social media posts and other web based platforms, alongside tannoy announcements and physical and electronic signage the public health advice: <https://www.gov.uk/government/publications/coronavirus-outbreak-faqs-what-you-can-and-cant-do/coronavirus-outbreak-faqs-what-you-can-and-cant-do>A review of the cleaning regime for the building has been undertaken to ensure controls are in place to keep surfaces clean and free of contamination, has been undertaken, cleaning products have been made available to all occupants and everyone has been briefed. Clear use and cleaning guidance for toilets, showers, lockers and changing rooms are in place to ensure they’re kept clean and clear of personal items. This includes enhanced cleaning of all facilities, regularly throughout the day and at the end of the day using normal cleaning products. Disposable cloths or paper roll is provided to clean all hard surfaces especially frequently hand touched surfaces, in showers and changing rooms and hand sanitiser is available on entry and exit to the room. Facilities are kept well ventilated. For example by ensuring any mechanical ventilation work effectively and opening windows and vents where possible. Cleaning in busy areas in the building has been enhanced. More waste facilities, and more frequent rubbish collection has been provided. Sharing of equipment is restricted where possible and cleaned before use and after use. Cleaning processes for all equipment, tools, and vehicles, for example, pallet trucks, and forklift trucks including expensive equipment that cannot be washed down has been determined and where necessary protection around machines and equipment has been designed. Objects and surfaces that are touched regularly such as door handles and keyboards, are cleaned frequently using cleaning materials provided whilst making sure there is adequate disposal arrangements. Internal doors that are not signed as fire doors (unless held open with a mechanical device) kept open whilst working (last person out shuts the doors) to prevent multiple people using door handles. Use of hot desks will be avoided as far as possible and workstations / workspaces will be assigned to specific staff for the duration of their work within the Library. Wipes will be provided for staff to clean desks and equipment pre-and post-use, with bins provided for disposal placed close by. Areas such as training facilities and study space workstation are cleaned by the user via the use of wipes provided at cleaning stations between different occupants including shared equipment. Cleaning services clean all surfaces as agreed. There is a clear desk policy in place to reduce the amount of personal items on desks and work benches to be practised when the space is in use or not in use. Work areas and equipment are cleaned between use using cleaning materials provided. There are cleaning procedures for goods and merchandise entering the site. Greater handwashing and handwashing facilities have been introduced for workers handling goods and merchandise and hand sanitiser provided where it is not practical. Everyone is encouraged at team meetings and 1:1’s to keep personal items clean including washing spectacles with soap and water, clean phones, keyboards and shared machinery, handles etc. before and during work. Monitoring and supervision arrangements via 1:1 and Team meetings have been put in place to ensure people are following controls e.g. implementing the new cleaning regime, following hygiene procedures etc. All University staff are encouraged to avoid direct personal contact with others i.e. shaking hands etc.  | 2 | 2 | 4 | Y |  |  |  |  |  |  |  |
| Organisational  | Exposure to Existing Hazards | Staff  | Increased risk of harm due to controls included in existing risk assessments & safety arrangements affected by COVID-19 measuresIncreased risk of harm due to controls included in existing risk assessments & safety arrangements affected by COVID-19 measures | All relevant pre-existing (non COVID) risk assessments including lone working assessments and procedures have been reviewed to take into account the impacts of social distancing and other COVID counter measures.Emergency Procedures reviewed and revised including:**Fire procedures:** number and details of nominated fire warden(s) in place, fire muster point confirmed and PEEP requirements defined including who will assist with their evacuation in an emergency. This will be adapted as utilisation of library spaces increases. Required modifications to fire alarm practices and evacuation drills cater for COVID-19 measures have been addressed; ensuring that the activity is still compliant with relevant building fire codes. **First Aid:** First aid needs assessment reviewed to take into account the impact of any Local or National Government requirements and any new Guidelines issued by the [University](https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx) or [HSE](https://www.hse.gov.uk/), and first aid information including the location of first aid kits and first aider contact information up to date. **Hygiene:** Washing facilities with soap/ gel available. People involved in the provision of assistance to others have been informed to pay particular attention to sanitation measures immediately afterwards including washing hands. Safety critical roles will remain in place to aid safe operation. In the event of safety critical roles not being available then a dynamic risk assessment shall be performed by the most senior member of staff on duty supported by an on call senior colleague to ensure measures are introduced to mitigate risk (for example, another area within the building or campus could have a critical role such as first aider that could cover as a temporary solution). Security implications of changes made to operations and practices in response to COVID-19, Local or National Government requirements have been considered. Business continuity and disaster recovery plans updated based on COVID-19 implications including contingency plan in place for possible switch back to national and local lockdown. Life saving rules, will continue to be governed, enforced and communicated during COVID-19 especially during any Local or National Government lockdowns in particular “speaking up” if they witness any unsafe behaviours, conditions or symptoms related to COVID-19.  | 2 | 2 | 4 | Y |  |  |  |  |  |  |  |
| Environmental | Inbound & Outbound Goods including Post | Staff / Patrons  | Exposure to contact with an object that has been contaminated with COVID-19. | Logistics for the deliveries to the has been considered and include:  * Unnecessary contact at delivery bay has been minimised e.g. non-contact deliveries where the nature of the product allows for use of electronic pre-booking.
* Methods to reduce frequency of deliveries in place - ordering larger quantities less often.
* Electronic paperwork is used where possible, and procedures reviewed to enable safe exchange of paper copies where needed, for example, required transport documents.
* Delivery and receipt confirmation made contactless and physical contact when handing goods over to the customer has been avoided.
* Strict hand washing procedure in place after handling all deliveries.
 | 2 | 2 | 4 | Y |  |  |  |  |  |  |  |
| Organisational | Travelling to work | Staff  | Exposure to respiratory droplets carrying COVID-9. | Individuals travelling to University premises or on behalf of the University are encouraged to follow the [Government’s safer travel for passengers](https://www.gov.uk/guidance/coronavirus-covid-19-safer-travel-guidance-for-passengers#travel-safely-during-the-coronavirus-outbreak) to help them stay safe, and protect others by controlling the spread. Where people are travelling together in any one vehicle, they are encouraged to:* use fixed travel partners
* not sit face-to-face
* open windows and switch on ventilation systems that draw in fresh air. Open windows only partially if it’s cold.
* frequently clean their vehicle including objects and surfaces that are touched regularly, such as door handles and vehicle keys.
 | 3 | 2 | 6 | Y |  |  |  |  |  |  |  |
| Organisational  | Driving at work  | Staff  | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. |  Staff roles that are required to car share have been considered and whether this could continue. Alternative solutions to two-person delivery have been put in place, for example, mechanical / material handling equipment. Where these are not possible the number of people travelling together in any one vehicle is minimised, using fixed travel partners, vehicles [are well ventilated via open windows](https://www.hse.gov.uk/coronavirus/equipment-and-machinery/air-conditioning-and-ventilation/ventilation-in-vehicles.htm) (windows are only partially opened if it’s cold) and with ventilation systems switched on so that fresh air is drawn in and occupants sit side by side or behind other people and sitting face-to-face is avoided. Seating arrangements to maximise distance between people in the vehicle has been considered. Shared vehicles are frequently cleaned by operatives of the vehicle using appropriate cleaning supplies provided pre and post journeyincluding between shifts or on handover. This includes cleaning of objects and surfaces that are touched regularly, such as door handles and vehicle keys, and adequate disposal arrangements are in place.Sufficient quantities of hand sanitiser /wipes are retained within vehicles to enable workers to clean hands after each delivery / drop-off.Staff are encouraged to wash hands before boarding vehicles. | 3 | 2 | 6 | Y |  |  |  |  |  |  |  |
| Environmental | Ventilation | Staff / Students / visitors  | Exposure to respiratory droplets carrying COVID-19. | Ventilation systems are maintained in line with planned and preventative maintenance schedules, including filter changes.An assessment of the ventilation in the building, and where necessary individual areas/rooms, has been undertaken which included checks such as:* Is the space naturally or mechanically ventilated
* All areas within the building which are usually occupied and have poor ventilation have been identified and the use of the area re-assessed (see below).
* An assessment of Fresh air (ventilation) has been undertaken for the workplace and where necessary individual workspaces. This included how fresh air is provided (natural, mechanical or combination of both), how many people occupy/use the area, how much time people spend in the areas, how large the area is, what activities take place in the areas, the equipment and machinery in the workspaces, the use of fans and Local Exhaust Ventilation.

Recirculation of unfiltered air within the workplace has been avoided or reduced as far as possible. While this will continue to be minimised some area will need to have some recirculation, to improve thermal comfort. Natural ventilation can be improved by fully or partially opening windows, air vents and doors, not signed as fire doors. This should be balanced against the need to maintain comfortable temperatures for all users of the space. The University will be centrally monitoring carbon dioxide (CO2) as a proxy for air quality and ventilation in large teaching spaces. Information can be provided on these spaces. Additional control can be provided via the use of portable CO2 sensors where there are concerns raised about the adequacy of ventilation in a given space. Rooms can be purged (aired) when not in use by leaving the windows and doors fully open. However, it is important to plan and close windows to minimise the risk of rodent and pigeon issues.Mechanical ventilation has typically been set at maximum fresh air settings and operate at extended periods. Staff have been informed, via this risk assessment of the following steps which they can take to make sure their workplace is adequately ventilated whilst maintaining a comfortable temperature:* opening windows and doors partially can still provide acceptable ventilation while keeping the workplace comfortable. Opening higher-level windows will probably create fewer draughts.
* if the area is cold relax dress codes so people can wear extra layers and warmer clothing
* use natural ventilation alongside heating systems to maintain a reasonable temperature in the workplace.

Ventilation Instruction signs displayed throughout the building instructing individuals to “Please ensure you open all windows on arrival and close on departure.”Most mechanical ventilation systems are monitored by building management systems that will raise a fault alarm; but please ensure that any potential fault with mechanical or natural ventilation is raised with the Building Management and or the Estates Helpdesk. General considerations reflected on during reopening of the buildings in relation to the ventilation and fresh air to occupied spaces. Core strategy based on [CIBSE Covid-19 Ventilation Guidance](https://www.cibse.org/coronavirus-covid-19/emerging-from-lockdown), [HSE guidance](https://www.gov.uk/government/publications/higher-education-reopening-buildings-and-campuses/higher-education-covid-19-operational-guidance), [Government](https://www.gov.uk/government/publications/higher-education-reopening-buildings-and-campuses/higher-education-covid-19-operational-guidance) and other relevant industry guidance. The guidance is constantly under review by the University’s Estates, as SARS-CoV2 transmission routes become more clearly defined, and any updated recommendations assessed and implemented where relevant to University systems. Links used above:HSE - Ventilation and air conditioning during the coronavirus (COVID-19) pandemic 21st July 2021<https://www.hse.gov.uk/coronavirus/equipment-and-machinery/air-conditioning-and-ventilation/index.htm> CIBSE - COVID-19: Ventilation version 5 - Updated 16th July 2021<https://www.cibse.org/coronavirus-covid-19/emerging-from-lockdown> DfE - Higher education COVID-19 operational guidance - Updated 19 July 2021<https://www.gov.uk/government/publications/higher-education-reopening-buildings-and-campuses/higher-education-covid-19-operational-guidance> HSE - Keeping workplaces safe as coronavirus (COVID-19) restrictions are removed - Updated 19 July 2021 <https://www.hse.gov.uk/coronavirus/roadmap-further-guidance.htm>  | 3 | 2 | 6 | Y |  |  |  |  |  |  |  |

**Risk Assessment Guidance**

Risk Scoring System

The scoring system is provided as a tool to help structure thinking about assessments and to provide a framework for identifying which are the most serious risks and why.

|  | **Consequence / Severity score (severity levels) and examples of descriptors**  |
| --- | --- |
|  | **1**  | **2**  | **3**  | **4**  | **5**  |
| **Domains**  | **Negligible**  | **Minor**  | **Moderate**  | **Major**  | **Catastrophic**  |
| **Impact on the safety of staff, students or public (physical / psychological harm)**  | Minimal injury not requiring first aid or requiring no/minimal intervention or treatment. No time off work | Minor injury or illness, first aid treatment needed or requiring minor intervention.Requiring time off work for <3 days  | Moderate injury requiring professional intervention Requiring time off work for 4-14 days RIDDOR / MHRA / agency reportable incident  | Major injury leading to long-term incapacity/ disability (loss of limb)Requiring time off work for >14 days  | Incident leading to death Multiple permanent injuries or irreversible health effects |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Likelihood score**  | **1**  | **2**  | **3**  | **4**  | **5**  |
| **Frequency** | **Rare**  | **Unlikely**  | **Possible**  | **Likely**  | **Almost certain**  |
| **Broad descriptor**  | This will probably never happen/occur | Do not expect it to happen/occur but it is possible it may do so | Might happen or occur occasionally | Will probably happen/occur but it is not a persisting issue | Will undoubtedly happen/occur, possibly frequently |
| **Time-framed descriptor** | Not expected to occurfor years | Expected to occurat least annually | Expected to occur atleast monthly | Expected to occur at least weekly | Expected to occur at least daily |
| **Probability** Will it happen or not? | <0.1 per cent | 0.1–1 per cent | 1.1–10 per cent | 11–50 per cent | >50 per cent |

The overall ***level of risk*** is then calculated by multiplying the two scores together.

**Risk Level = Consequence / Severity x Likelihood (C x L)**

|  |  |
| --- | --- |
|  | **Likelihood**  |
| **Likelihood score**  | **1**  | **2**  | **3**  | **4**  | **5**  |
|  | **Rare**  | **Unlikely**  | **Possible**  | **Likely**  | **Almost certain**  |
| **5 Catastrophic**  | 5  | 10  | 15  | 20  | 25  |
| **4 Major**  | 4  | 8  | 12  | 16  | 20  |
| **3 Moderate**  | 3  | 6  | 9  | 12  | 15  |
| **2 Minor**  | 2  | 4  | 6  | 8  | 10  |
| **1 Negligible**  | 1  | 2  | 3  | 4  | 5  |

The Initial Risk Rating is the level of risk before control measures have been applied or with current control measures in place.

The Residual Risk is the level of risk after further control measures are put in place.