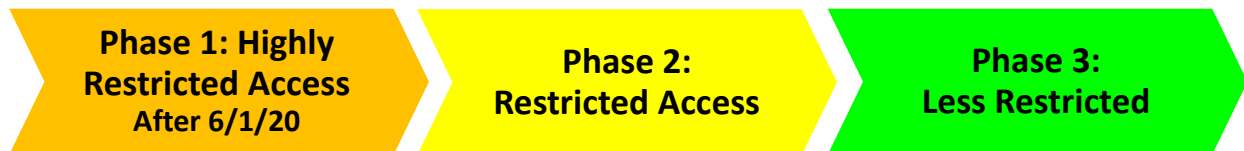


Research Reactivation Phases

Described below are phases of activity that will be used to guide the reactivation of research on campus by Yale faculty, staff, and trainees (graduate students, postgrads, postdocs). These phases are designed to allow for the gradual resumption of research activity across the entire campus with appropriate public health protections as pandemic risks wane (Phase 1 -> Phase 2 -> Phase 3). They will also be used to tighten campus access if increased risks re-emerge (Phase 3 -> Phase 2 -> Phase 1). Shifting between phases will be triggered by university administration with guidance from public health experts. In summary, the phases are:



It is important to note that the university conditions and requirements described below are based on current public health guidance and State reopening rules. The conditions and requirements may change over time as the state of virus transmission evolves and more evidence-based mitigation measures emerge.

Phase 1 – Highly Restricted and Research Access Limited

If campus access is *absolutely essential* for the research activity to be carried out, it can be done on campus, with strict public health precautions. If the work can be done remotely (e.g., from home), it *must* continue to be performed remotely. Time on campus is limited to the minimum necessary to perform the research. Strict physical distancing, face masks, symptom monitoring and other strong safety measures for limiting virus spread are in place.

Phase 2 – Restricted Access, All Forms of Research Permitted

All forms of research activity can be done on campus, even if they could be performed off-campus, so long as physical distancing and other measures for limiting virus spread are adhered to. For example, access to offices and other campus facilities for activity that could be performed from home is permitted, but with appropriate safety measures, including limits related to physical distancing and use of personal protective equipment (PPE) as well as prohibitions on in-person gatherings enforced.

Phase 3 – Less Restricted Operations

Group meetings, seminars, etc., are possible, but there may be some limits on event size. There may also be some restrictions related to physical distancing and PPE use based on public health guidance.

Research Reactivation Phases

Phase 1 – Highly Restricted and Research Access Limited

Adjustments may be made to these measures in accordance with ongoing federal, state, and local public health guidance.

Overall restrictions:

- If research can be done remotely, it *must* continue to be done remotely.
- Research that *requires* access to campus or local field sites because it is the *only place* that work can be done is possible, with explicit permission.
- Gradual resumption of access to physical library collections, beginning with collection scanning and a book pick-up service.
- Outside visitors for seminars, colloquia, and other short term visits are prohibited.
- No in-person group meetings, seminars, colloquia.
- Do not congregate in common areas (lunch rooms, meeting rooms, lounges), and disinfect surfaces before and after every use.

Public Health precautions:

- All trainees, faculty and staff should self-monitor daily for [symptoms of COVID-19](#). If ill, stay home and seek medical advice from your health care provider or [Yale Health](#).
- All trainees, faculty and staff should exercise heightened [personal hygiene](#), including frequent [hand washing](#) and covering coughs and sneezes.
- Cloth face coverings should be worn in all public spaces.
- Virus testing performed following guidance set by Yale and local, State, and Federal government public health agencies, which may be adjusted as conditions change.
- All trainees, faculty and staff must complete training on COVID-19 health and safety practices before returning to campus. A link to the necessary training will be sent in the near future.

Work precautions:

- Physical distancing:
 - Measures will be employed to limit the density of people (e.g., trainees/faculty/staff) in research environments. When more than one person occupies a room, physical distancing is required, with at least a 6 foot separation between people, and occupancy of no more than 50% of capacity. When practicable, one person per research bay. Areas used/occupied by a given investigator in the lab should be clearly delineated and disinfected by the investigator before and after each use.
- Temporal distancing:
 - Shift work may be used to limit the density of people occupying a work area on campus at a given time. For instance, early morning and late afternoon 6-

hour work shifts with gaps between shifts would facilitate physical distancing practices and permit greater utilization of on-campus research facilities.

- Pre-existing Personal Protective Equipment (PPE) requirements for the lab/research environment remain in place. Otherwise, while in the laboratory, trainees, faculty, and staff are required to wear a surgical face mask, which Environmental Health and Safety (EHS) can provide. In general, N95 respirators and medical grade masks are reserved for healthcare workers. Cloth face coverings are appropriate only for public spaces.
- Lab staff are responsible for disinfecting surfaces and equipment in labs, following [EHS's cleaning and disinfection guidelines](#).
- Heightened cleaning and disinfection of common areas performed by custodial staff.

Registration to access campus for research:

- All faculty are required to register themselves and their trainees and staff in order to access campus for research.
- For shared research environments, such as labs:
 - Faculty propose safety plans for individual labs and field sites as well as laboratory personnel (trainees, staff), which are registered through [EHS Integrator](#). Faculty safety plans are reviewed and approved by Department Chair/Center Director (or their faculty designee), cognizant Dean and the Provost's office. Notice of approval will be issued by email through [EHS Integrator](#).
 - Department Chair/Center Director articulates safety plans for department common areas such as local core facilities (e.g., glass wash, shared equipment rooms) and common lounges and bathrooms. These plans are reviewed and approved by the cognizant Dean and the Provost's office.
- For individual research environments, such as offices:
 - Faculty planning on sustained research in an individually-occupied office because it is the *only place* that work can be done (e.g., on-campus access *required* for sensitive data sets) must propose research plans through [EHS Integrator](#) for review and approval by cognizant Dean and the Provost's office. Notice of approval will be issued by email through [EHS Integrator](#).
- Currently, all international travel is prohibited by Yale policy and non-essential domestic travel should be postponed or avoided, consistent with [CDC guidelines](#). Local research and field work is permissible if the local travel and field work can be performed safely and appropriate sample handling and other behaviors abide by all prevailing distancing and other University, State, and Federal safety guidelines locally and at the field site. These [guidelines](#) may change quickly, depending on conditions locally and at the field site.
 - Faculty are required to register their field work plans through [EHS Integrator](#), and include specifics describing how the work can be performed in accordance with public health guidance and that appropriate measures are being taken to minimize the possibility of reintroducing the virus to our local setting or that of the field, and include sufficient details about shut

- down/contingency plans for research activities at the remote field site if they become impossible due to changing conditions locally or at the field site.
- These plans will be reviewed by a Field Work Committee commissioned specifically to appraise these requests, and subject to further review and approval by the cognizant Dean and the Provost's office.
 - In-person human subjects research is not permitted, except in a clinical or hospital setting where the subject must be present for otherwise necessary medical care and the research aspects of the visit are carried out concomitantly with that care.
 - Faculty are required to register their in-person human subjects research through [EHS Integrator](#), and include specifics describing how the work can be performed in accordance with safety and public health guidance.
 - In-person human subjects research will be phased in as clinical care expands.
 - In-person human subjects research safety plans will be reviewed by a Human Subjects Research Committee commissioned specifically to appraise these requests, and subject to further review and approval by the cognizant Dean and the Provost's office.

Phase 2 – Restricted Access, All Forms of Research Permitted

Adjustments may be made to these measures in accordance with ongoing federal, state, and local public health guidance.

Overall restrictions:

- All forms of research are allowed on campus or in the field as long as physical distancing and other phase-specific limits are maintained. Faculty, trainees, and staff should continue to perform their work off campus where possible.
- Access to physical library collections is increased, with safety measures in place, but collection scanning and book pick-up service preferred.
- In-person group meetings or small gatherings restricted, but may be permissible if they conform to guidelines set by Yale and local, state, and federal government agencies. Limitations on the gathering size may change as conditions dictate.
- Outside visitors for seminars and colloquia prohibited. Visitors who come to campus to take up residence in New Haven for an extended period of time may be allowed, based on public health guidance, but are subject to review.
- Large seminars/colloquia prohibited (use virtual seminars as the preferred alternative). Limitations on the gathering size may change as conditions dictate.
- Common area (lunch rooms, meeting rooms, lounge) restrictions and precautions relaxed relative to Phase 1, but should adhere to posted guidance.

Health precautions:

- All faculty, staff, and trainees should self-monitor frequently for [symptoms of COVID-19](#). If ill, stay home and seek medical advice from your health care provider or [Yale Health](#).

- All, faculty, staff, and trainees should exercise heightened [personal hygiene](#), including frequent [hand washing](#) and covering coughs and sneezes.
- Cloth face coverings should be worn in all public spaces.
- Virus testing performed of those working on campus to the greatest degree that is reasonably practicable following guidance set by Yale and local, state, and federal government agencies, which may be adjusted as conditions change.
- All faculty, staff, and trainees must complete training on COVID-19 health and safety practices before returning to campus. A link to the necessary training will be sent in the near future.

Work precautions:

- Physical and temporal distancing measures maintained, but may be partially relaxed relative to Phase 1 depending on public health guidance.
 - Measures employed to limit the density of trainees/faculty/staff in research environments. When more than one person occupies a room, physical distancing is required, with at least a 6 foot separation between people, and occupancy up to 50% of capacity. When practicable, one person per research bay. Areas used/occupied by a given investigator in the lab should be clearly delineated and disinfected by the investigator before and after each use.
 - Shift work encouraged to limit the number of people occupying a work area on campus at a given time. For instance, early morning and late afternoon 6-hour work shifts with time between shifts would facilitate physical distancing practices and permit greater utilization of on-campus facilities.
- Pre-existing Personal Protective Equipment (PPE) requirements for the lab/research environment remain in place. Otherwise, a face mask or other face covering required, following posted guidance and adhering to guidelines set by Yale and local, state, and federal government agencies.
- Lab staff responsible for disinfecting surfaces and equipment in labs, following the [EHS cleaning/disinfectant guidelines](#). Cleaning regimens may be relaxed relative to earlier phases, but should adhere to posted guidance.
- Heightened common area cleaning by custodial staff, but may be relaxed relative to earlier phases and should adhere to posted guidance.

Registration to access campus for research:

- For faculty who did not register themselves or their trainees/staff to access campus for research or to travel for field work in Phase 1, registration may be required depending on public health conditions. If registration is required:
 - For shared research environments, such as labs:
 - Faculty articulate safety plans for individual labs and field sites as well as laboratory personnel (trainees, staff), which are registered through [EHS Integrator](#). Faculty safety plans are reviewed and approved by Department Chair/Center Director (or their faculty designee), cognizant Dean, and the Provost's office.

- Department Chair/Center Director articulates safety plans for common areas such as local core facilities (e.g., glass wash, shared equipment rooms). These plans are reviewed by the cognizant Dean and the Provost's office.
 - For individual research environments, such as faculty offices:
 - Faculty planning on sustained research in an individually-occupied office must register research plans with [EHS Integrator](#) for approval by cognizant Dean and the Provost's office.
- Travel for research and field work permissible if the travel and field work can be performed in accordance with public health guidance and appropriate sample handling and other behaviors abide by all prevailing travel, distancing and other University, State and Federal safety guidelines locally and at the field site, which may change quickly.
 - Faculty must register their field work plans through [EHS Integrator](#), and include specifics describing how the work can be performed safely and the measures being taken to minimize the possibility of reintroducing the virus to our local setting or that of the field, and include sufficient details about shut down/contingency plans for research activities at the remote field site if they become impossible due to changing conditions locally or at the field site.
 - These plans will be reviewed by a [Field Work Committee](#) commissioned specifically to appraise these requests, and subject to further review and approval by the cognizant Dean and the Provost's office.
- In-person human subjects research permitted following safety review and based on guidelines set by Yale and local, state, and federal government agencies and public health experts. Safety reviews may assess the use of physical distancing measures, PPE, virus testing, symptom testing and screening typical of that seen in a clinical environment.
 - Faculty are required to register their in-person human subjects research through [EHS Integrator](#), and include specifics describing how the work can be performed in accordance with safety and public health guidance.
 - In-person human subjects research safety plans will be reviewed by a [Human Subjects Research Committee](#) commissioned specifically to appraise these requests, and subject to further review and approval by the cognizant Dean and the Provost's office.

Phase 3 – Less Restricted Operations

Adjustments may be made to these measures in accordance with ongoing federal, state, and local public health guidance.

- Physical distancing restrictions relaxed, but in conformation with posted Yale, state, and federal guidelines.

- Seminars/colloquia with visitors allowed, but in conformation with posted Yale guidelines and some limits on the total size of these events may remain.
- No symptom reporting required.
- PPE requirements relaxed, in conformation with posted Yale, state, and federal guidelines.
- Some gatherings permitted, but limits on total size may remain.
- Relaxed cleaning/disinfectant regimes.

Note: Phase 0 – Critical Research Operations Only are the conditions that existed as the COVID-19 pandemic spread (03.2020 – 05.2020). These measures may need to be employed again if pandemic conditions worsen substantially as part of a research ramp down.

Phase 0 – Critical Research Operations Only

- *Only* critical research activities allowed on campus.
- Registration for critical research and campus access granted by petition of the PI and vetted by the Department Chair, cognizant Dean, and the Provost's office.
- Research kept to the minimum necessary to prevent catastrophic loss of experiments or critical research on COVID-19. Noncritical research performed remotely or put in hibernation.
- Associated on campus research facilities and core operations (e.g., Animal Research Facility, Gene Sequencing Facility) function at the minimum level necessary to support critical research and to maintain research infrastructure for the eventual reactivation of campus research operations.
- If research can be done remotely (at home), it *must* be done remotely.
- Travel for field work permitted only in exceptional cases for critical research and upon specific petition by the PI to Department Chairs, cognizant Dean, and the Provost's office. Such field work must fall under the above definition of critical research, and travel and work must be conducted in accordance with all local (i.e., at the field site) and state COVID-19 regulations, and the other requirements specified here.
- In-person human subjects research not permitted, except if it qualifies for a critical research exception (e.g., ongoing therapeutic trials, clinical research on COVID-19).
- Physical distancing:
 - Measures must be employed to limit the density of people (e.g., trainees/faculty/staff) in research environments. When more than one person occupies a room, physical distancing is required, with at least a 6 foot separation between people. When practicable, one person per research bay. Areas used/occupied by a given investigator in the lab should be clearly delineated and disinfected before another investigator occupies that area.
- Temporal distancing:
 - Shift work can be employed to limit the density of people occupying a work area on campus at a given time. For instance, early morning and late afternoon 6-hour work shifts with gaps between shifts would facilitate physical distancing practices and permit greater utilization of on-campus research facilities.
- PPE requirements. Existing PPE requirements for the lab/research being conducted remain in place. Otherwise, a water-resistant face mask is required, which EHS can provide. In general, N95 respirators and surgical masks are reserved for healthcare workers. Specialized PPE may be required for COVID-19 research, as specified by EHS. Cloth face coverings are appropriate only for public spaces.

- [Strong cleaning/disinfectant regimens](#). Lab staff are responsible for disinfecting equipment and surfaces in labs. Heightened common area cleaning by custodial staff.
- All faculty, staff, and trainees should self-monitor frequently for [symptoms of COVID-19](#). If ill, stay home and seek medical advice from your health care provider or [Yale Health](#).
- Virus testing of those working on campus to the greatest degree reasonably practicable.