COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN: 1042103580C5

ORGANIZATION:
Harvard Medical School
Gordon Hall
25 Shattuck Street, #407A
Boston, MA 02115-

DATE: 07/16/2021
FILING REF.: The preceding agreement was dated 04/29/2020

The rates approved in this agreement are for use on grants, contracts and other agreements with the Federal Government, subject to the conditions in Section III.

SECTION I: INDIRECT COST RATES

<table>
<thead>
<tr>
<th>RATE TYPES:</th>
<th>FIXED</th>
<th>FINAL</th>
<th>PROV. (PROVISIONAL)</th>
<th>PRED. (PREDETERMINED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFFECTIVE PERIOD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYPE</td>
<td>FROM</td>
<td>TO</td>
<td>RATE(%) LOCATION</td>
<td>APPLICABLE TO</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2020</td>
<td>06/30/2022</td>
<td>69.00 On-Campus</td>
<td>Research</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2022</td>
<td>06/30/2024</td>
<td>69.50 On-Campus</td>
<td>Research</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2020</td>
<td>06/30/2024</td>
<td>40.00 On-Campus</td>
<td>Other Sponsored Activities</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2020</td>
<td>06/30/2024</td>
<td>26.00 Off-Campus</td>
<td>All Programs</td>
</tr>
<tr>
<td>PROV.</td>
<td>07/01/2024</td>
<td>Until Amended</td>
<td></td>
<td>Use same rates and conditions as those cited for fiscal year ending June 30, 2024.</td>
</tr>
</tbody>
</table>

BASE

Total direct costs excluding capital expenditures (buildings, individual items of equipment; alterations and renovations), that portion of each subaward in excess of $25,000; hospitalization and other fees associated with patient care whether the services are obtained from an owned, related or third party hospital or other medical facility; rental/maintenance of off-site activities; student tuition remission and student support costs (e.g., student aid, stipends, dependency allowances, scholarships, fellowships).
SECTION I: FRINGE BENEFIT RATES**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>RATE(%)</th>
<th>LOCATION</th>
<th>APPLICABLE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIXED</td>
<td>7/1/2021</td>
<td>6/30/2022</td>
<td>23.50</td>
<td>All</td>
<td>Faculty</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2021</td>
<td>6/30/2022</td>
<td>40.70</td>
<td>All</td>
<td>Exempt</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2021</td>
<td>6/30/2022</td>
<td>55.70</td>
<td>All</td>
<td>Union (Non-Exempt)</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2021</td>
<td>6/30/2022</td>
<td>45.70</td>
<td>All</td>
<td>Union (Hourly)</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2021</td>
<td>6/30/2022</td>
<td>7.80</td>
<td>All</td>
<td>Temporary</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2021</td>
<td>6/30/2022</td>
<td>24.80</td>
<td>All</td>
<td>Post Docs</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2021</td>
<td>6/30/2022</td>
<td>16.20</td>
<td>All</td>
<td>Teach. Asst.</td>
</tr>
<tr>
<td>PROV.</td>
<td>7/1/2022</td>
<td>Until</td>
<td></td>
<td>amended</td>
<td>Use same rates and conditions as those cited for fiscal year ending June 30, 2022.</td>
</tr>
</tbody>
</table>

** DESCRIPTION OF FRINGE BENEFITS RATE BASE:
For the Exempt employee category and the Non-Exempt Unionized employee category: Salaries and wages excluding vacation leave pay.

For all other employee categories: Salaries and wages
SECTION II: SPECIAL REMARKS

TREATMENT OF FRINGE BENEFITS:

The fringe benefits are charged using the rate(s) listed in the Fringe Benefits Section of this Agreement. The fringe benefits included in the rate(s) are listed below.

Treatment of Paid Absences: Vacation, holiday, sick leave pay and other paid absences are included in salaries and wages and are claimed on grants, contracts and other agreements as part of the normal cost for salaries and wages. Separate claims for the costs of these paid absences are not made.

The following Treatment of Paid Absences is applicable to the Exempt employee category and the Non-Exempt Unionized employee category:

Treatment of Paid Absences: The costs of vacation leave pay are included in the organization's fringe benefit rate and not included in the direct cost of salaries and wages. Claims for direct salaries and wages must exclude those amounts paid or accrued to employees for periods when they are on vacation leave.

Sick leave, holiday pay and other paid absences are included in salaries and wages and are claimed on grants, contracts and other agreements as part of the normal cost for salaries and wages. Separate claims for the costs of these paid absences are not made.
1. Equipment means tangible personal property (including information technology systems) having a useful life of more than one year and a per-unit acquisition cost which equals or exceeds $5,000.

2. Activities Performed Partly-On, Partly-Off Campus: The University uses the rate applicable to the location where the preponderance of university time and effort will be expended. Accordingly, each contract or grant is classified as either on-campus or off-campus.

3. The following rates are applicable to research under a Harvard contract or grant conducted at hospitals or medical facilities not affiliated with Harvard for overhead reimbursement. Typically, but not always, these hospitals are VA or State institutions:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>RATE</th>
<th>BASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRED.</td>
<td>07-01-20</td>
<td>06-30-24</td>
<td>29.5%</td>
<td>MTDC as in Sec. I</td>
</tr>
<tr>
<td>PROV.</td>
<td>07-01-24</td>
<td>Until Amended</td>
<td>29.5%</td>
<td>MTDC as in Sec. I</td>
</tr>
</tbody>
</table>

4. The off-campus rate will apply to awards where activities are performed in facilities not owned or rented by the institution or to which facilities costs are directly charged.

5. For Federal awards with activity at more than one of Harvard’s multiple rate areas, each activity will use the indirect cost rate for the rate area at which the work is performed.

6. Fringe Benefits: The University distributes Fringe benefit costs to its departments and sponsored activities (including Federal programs) on the basis of annual rates applied to direct salaries and wages in lieu of individual direct charges. Over or under distribution of fringe benefit costs are carried forward in estimating future rates.

Included in the fringe benefit rates are: Pension, University Health Services, FICA, Health and Dental Plans, Worker’s Compensation, Unemployment Compensation, Parking, Tuition Assistance (Employee Only), Life Insurance, and Disability Insurance.

In addition, for the Exempt employee category and the Non-Exempt Unionized employee category the fringe benefit rates include accrued vacation leave.

The approved fringe benefit rates applicable to extra compensation are as follows:

**Extra Compensation:**
- Pensionable: 15.0%
- Non-Pensionable: 8.0%
SECTION III: GENERAL

A. LIMITATIONS:
The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given grant, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: (1) Only costs incurred by the organization were included in its facilities and administrative cost pools as finally accepted; such costs are legal obligations of the organization and are allowable under the governing cost principle; (2) The same costs that have been treated as facilities and administrative costs are not claimed as direct costs; (3) Similar types of costs have been accorded consistent accounting treatment; and (4) The information provided by the organization which was used to establish the rates is not later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

B. ACCOUNTING CHANGES:
This Agreement is based on the accounting system in effect during the Agreement period. Changes to the method of accounting for costs which affect the amount of reimbursement resulting from the use of this Agreement require prior approval of the authorized representative of the cognizant agency. Such changes include, but are not limited to, changes in the charging of a particular type of cost from facilities and administrative to direct. Failure to obtain approval may result in cost disallowances.

C. FIXED RATES:
If a fixed rate is in this Agreement, it is based on an estimate of the costs for the period covered by the rate. When the actual costs for this period are determined, an adjustment will be made to a rate of a future year(s) to compensate for the difference between the costs used to establish the fixed rate and actual costs.

D. USE BY OTHER FEDERAL AGENCIES:
The rates in this Agreement were approved in accordance with the authority in Title I of the Code of Federal Regulations, Part 200 (2 CFR 200), and should be applied to grants, contracts and other agreements covered by 2 CFR 200, subject to any limitations in A above. The organization may provide copies of the Agreement to other Federal Agencies to give them early notification of the Agreement.

E. OTHER:
If any Federal contract, grant or other agreement is reimbursing facilities and administrative costs by a means other than the approved rate(s) in this Agreement, the organization should (1) credit such costs to the affected programs, and (2) apply the approved rate(s) to the appropriate basis to identify the proper amount of facilities and administrative costs allocable to these programs.

BY THE INSTITUTION:
Harvard Medical School Gordon Hall

(SIGNATURE)
David Smallwood

(INSTITUTION)

David Smallwood

(NAME)
Interim CFO

(TITLE)

(JULY 23, 2021)

(DATE)