

Supplemental Figure 1. Survey questions on quantitative research capacity metrics used for the 2024 CERA survey of department chairs.

1. Today, in 2024, as you complete this survey, which of the following best describes your family medicine department/division in terms of research and research productivity?
 - a. **Extensive/Replication research**—Extensive production of peer reviewed research publications (>50/year) with more than five investigators publishing in first tier journals; extensive number of research grants (>20) with more than three to five R01 or equivalent grants for 3 or more years; research activities constitute at least 30% of department funding; at least ten faculty with more than 30% dedicated to research; well-known research division and at least one center, each with directors and at least four staff members; research division and/or center investigators meet on a regular basis with a formal agenda; at least three to five faculty at the professor rank in a research track.
 - b. **Significant/Self-sustaining research**—Significant production of peer reviewed research publications (>20/year) with more than one investigator publishing in first tier journals; significant number of research grants (>10/year) with more than one R01 or equivalent grant for 3 or more years; research activities constitute at least 30% of department funding; at least six faculty with more than 30% dedicated to research.
 - c. **Moderate/Entrepreneurial research**—Moderate production of peer reviewed research publications (<10/year) with only one investigator publishing in first tier journals; small number of research grants (<6) with at least one R01 or equivalent; may have a small research training program; no department or center alumni are entering into research careers in similar centers.
 - d. **Minimal/Emergent research**—Few peer reviewed research publications; no research center located in or closely aligned/controlled by the department; no faculty at the professor rank in a research track; publications (<5/year) or research grants (<3, no R01), may have an identified research division.
 - e. **No (or almost no) research**—May have journal clubs; not peer reviewed research publications or research grants; no faculty with more than 30% dedicated to research.

For questions 2—10, think about the information you considered when determining your department's research productivity.

2. How important is it to consider **bibliometrics** (e.g., publications, presentations, patents)?
 - a. Extremely important
 - b. Very important
 - c. Somewhat important
 - d. Not important
3. How important is it to consider **impact of research** (e.g., new citations, journal impact factor, faculty h-index)?
 - a. Extremely important
 - b. Very important
 - c. Somewhat important
 - d. Not important
4. How important is it to consider **ongoing research** (e.g., new/active IRB projects)?
 - a. Extremely important
 - b. Very important
 - c. Somewhat important
 - d. Not important

5. How important is it to consider **collaboration activities** (e.g., joint research with other organizations, participation in national/international research leadership)?
 - a. Extremely important
 - b. Very important
 - c. Somewhat important
 - d. Not important
6. How important is it to consider **funding** (e.g., internal and external funding, including grants)?
 - a. Extremely important
 - b. Very important
 - c. Somewhat important
 - d. Not important
7. How important is it to consider **personnel** (e.g., number of clinical faculty, research faculty, and research support staff)?
 - a. Extremely important
 - b. Very important
 - c. Somewhat important
 - d. Not important
8. How important is it to consider **academics** (e.g., research by trainees, academic rank of faculty)?
 - a. Extremely important
 - b. Very important
 - c. Somewhat important
 - d. Not important
9. Select the **most important** factor you consider when determining your department's research productivity.
 - a. Bibliometrics
 - b. Impact
 - c. Ongoing research
 - d. Collaboration activities
 - e. Funding
 - f. Personnel
 - g. Academics
10. Select the **least important** factor you consider when determining your department's research productivity.
 - a. Bibliometrics
 - b. Impact
 - c. Ongoing research
 - d. Collaboration activities
 - e. Funding
 - f. Personnel
 - g. Academics