

North American Host Survey

Appendix B

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Consent and Participation:

We invite you to participate in a research study being done at the University of California, San Francisco (UCSF). Being in this study is optional.

If you choose to be in the study, you will complete a survey. This survey will help us identify the perceived barriers and impact of North American clinical observership programs in pediatric orthopaedics available to international surgeons. The survey will take about 10 to 15 minutes to complete.

Your responses are completely confidential with no personal identifiers unless you allow us to follow-up with you for the contact information of your program's previous observers, choose to participate in an optional online interview to discuss your experiences hosting international surgeons at your institution/organization or you would like to be acknowledged for participating in this study in the final manuscript.

You can skip questions that you do not want to answer or stop the survey at any time. We will keep your answers confidential and will not share your personal information with anyone outside the research team to minimize the risk to privacy.

Please answer this survey as frankly as possible. Your responses will not affect your current relationship with the international surgeons who have previously participated in your observership program. All constructive feedback is welcome.

Before proceeding to the survey, please answer the questions below to provide your consent to participate in this study.

If you have any questions or suggestions, please contact Laura Carrillo at laura.carrillo@ucsf.edu. If you have questions or concerns about your rights as a research participant, you can call the UCSF Institutional Review Board at 415-476-1814. Thank you in advance for your participation.

Sincerely,

Sanjeev Sabharwal, MD MPH
Laura Carrillo, BA

Please confirm that you would like to participate in the study.

☐ Yes
☐ No

Inclusion/Exclusion:

I am/was the program director, program coordinator, a faculty member, and/or another staff member involved in at least one pediatric orthopaedic observership program available to international surgeons at my institution/organization, which is located in North America (Canada or the United States), in the past 10 years (2009 - 2019).

- ☐ Yes
☐ No

Note: Refer to International Surgeons throughout this survey, as those who do not originate from the United States or Canada.

Please complete this survey based on you and your institution/organization's experiences hosting international surgeons at the most significant pediatric orthopaedic observership program that you are/were involved in.

Demographics:

1. Please name the most significant North American host institution and/or observership program in pediatric orthopaedics for international surgeons that you are/were involved in.

2. Please identify your role in your institution/organization's observership program in pediatric orthopaedics for international surgeons. (Check all that apply)

- ☐ Program Director
- ☐ Program Coordinator
- ☐ Faculty Member
- ☐ Other Staff Member
- ☐ Other

Other role (please describe):

Observership Program Information:

The following questions relate to the pediatric orthopaedic observership program offered by you/your institution/organization, including questions regarding the program, your experiences hosting international surgeons, and the barriers you/your institution/organization have faced.

3. Approximately, which year did your institution/organization start accepting international surgeons for a pediatric orthopaedic observership?

4. Approximately, how many total international orthopaedic surgeons have participated in the observership program since its inception?

☐ My institution/organization has been unable to host any international surgeons.

- ☐ 1-10
- ☐ 11-20
- ☐ 21-30
- ☐ 31-40
- ☐ 41-50
- ☐ 51-60
- ☐ 61-70
- ☐ 71-80
- ☐ 81-90
- ☐ 91-100
- ☐ 101-200
- ☐ 201-300
- ☐ 301-400
- ☐ 401-500
- ☐ 501-600
- ☐ 601-700
- ☐ 701-800
- ☐ 801-900
- ☐ 901-1000
- ☐ More than 1,000

5. What is the approximate duration of the observership experience at your institution/organization?

- ☐ Less than 1 week
- ☐ 1 week
- ☐ 2 weeks
- ☐ 3 weeks
- ☐ 4 weeks
- ☐ 5 weeks
- ☐ 6 weeks
- ☐ 7 weeks
- ☐ 8 weeks
- ☐ 9 weeks
- ☐ 10 weeks
- ☐ 11 weeks
- ☐ 12 weeks
- ☐ 13-16 weeks
- ☐ 17-26 weeks
- ☐ 27-52 weeks
- ☐ More than 52 weeks

6. From which regions has your institution/organization hosted international orthopaedic surgeons from based on the World Bank region classifications? (Check all that apply)

- ☐ East Asia & Pacific
- ☐ Europe and Central Asia
- ☐ Latin America & Caribbean
- ☐ Middle East & North Africa
- ☐ South Asia
- ☐ Sub-Saharan Africa

7a. In which countries in East Asia & Pacific, has your institution/organization hosted international orthopaedic surgeons from? (Check all that apply)

- ☐ American Samoa
- ☐ Australia
- ☐ Brunei Darussalam
- ☐ Cambodia
- ☐ China
- ☐ Fiji
- ☐ French Polynesia
- ☐ Guam
- ☐ Hong Kong SAR, China
- ☐ Indonesia
- ☐ Japan
- ☐ Kiribati
- ☐ Korea, Dem. People's Rep.
- ☐ Korea, Rep.
- ☐ Lao PDR
- ☐ Macao SAR, China
- ☐ Malaysia
- ☐ Marshall Islands
- ☐ Micronesia, Fed. Sts.
- ☐ Mongolia
- ☐ Myanmar
- ☐ Nauru
- ☐ New Caledonia
- ☐ New Zealand
- ☐ Northern Mariana Islands
- ☐ Palau
- ☐ Philippines
- ☐ Samoa
- ☐ Singapore
- ☐ Solomon Islands
- ☐ Taiwan, China
- ☐ Thailand
- ☐ Timor-Leste
- ☐ Papua New Guinea
- ☐ Tonga
- ☐ Tuvalu
- ☐ Vanuatu
- ☐ Vietnam

7b. In which countries in Europe & Central Asia, has your institution/organization hosted international orthopaedic surgeons from? (Check all that apply)

- ☐ Albania
- ☐ Andorra
- ☐ Armenia
- ☐ Austria
- ☐ Azerbaijan
- ☐ Belarus
- ☐ Belgium
- ☐ Bosnia and Herzegovina
- ☐ Bulgaria
- ☐ Channel Islands
- ☐ Croatia
- ☐ Cyprus
- ☐ Czech Republic
- ☐ Denmark
- ☐ Estonia
- ☐ Faroe Islands
- ☐ Finland
- ☐ France
- ☐ Georgia
- ☐ Germany
- ☐ Gibraltar
- ☐ Greece
- ☐ Greenland
- ☐ Hungary
- ☐ Iceland
- ☐ Ireland
- ☐ Isle of Man
- ☐ Italy
- ☐ Kazakhstan
- ☐ Kosovo
- ☐ Kyrgyz Republic
- ☐ Latvia
- ☐ Liechtenstein
- ☐ Lithuania
- ☐ Luxembourg
- ☐ Macedonia, FYR
- ☐ Moldova
- ☐ Monaco
- ☐ Montenegro
- ☐ Netherlands
- ☐ Norway
- ☐ Poland
- ☐ Portugal
- ☐ Romania
- ☐ Russian Federation
- ☐ San Marino
- ☐ Serbia
- ☐ Slovak Republic
- ☐ Slovenia
- ☐ Spain
- ☐ Sweden
- ☐ Switzerland
- ☐ Tajikistan
- ☐ Turkey
- ☐ Turkmenistan
- ☐ Ukraine
- ☐ United Kingdom
- ☐ Uzbekistan

7c. In which countries in Latin America & Caribbean, has your institution/organization hosted international orthopaedic surgeons from? (Check all that apply)

- ☐ Antigua and Barbuda
- ☐ Argentina
- ☐ Aruba
- ☐ Bahamas, The
- ☐ Barbados
- ☐ Belize
- ☐ Bolivia
- ☐ Brazil
- ☐ British Virgin Islands
- ☐ Cayman Islands
- ☐ Chile
- ☐ Colombia
- ☐ Costa Rica
- ☐ Cuba
- ☐ Curacao
- ☐ Dominica
- ☐ Dominican Republic
- ☐ Ecuador
- ☐ El Salvador
- ☐ Grenada
- ☐ Guatemala
- ☐ Guyana
- ☐ Haiti
- ☐ Honduras
- ☐ Jamaica
- ☐ Mexico
- ☐ Nicaragua
- ☐ Panama
- ☐ Paraguay
- ☐ Peru
- ☐ Puerto Rico
- ☐ Sint Maarten (Dutch part)
- ☐ St. Kitts and Nevis
- ☐ St. Lucia
- ☐ St. Martin (French part)
- ☐ St. Vincent and the Grenadines
- ☐ Suriname
- ☐ Trinidad and Tobago
- ☐ Turks and Caicos Islands
- ☐ Uruguay
- ☐ Venezuela, RB
- ☐ Virgin Islands (U.S.)

7d. In which countries in Middle East & North Africa, has your institution/organization hosted international orthopaedic surgeons from? (Check all that apply)

- ☐ Algeria
- ☐ Bahrain
- ☐ Djibouti
- ☐ Egypt, Arab Rep.
- ☐ Iran, Islamic Rep.
- ☐ Iraq
- ☐ Israel
- ☐ Jordan
- ☐ Kuwait
- ☐ Lebanon
- ☐ Libya
- ☐ Malta
- ☐ Morocco
- ☐ Oman
- ☐ Qatar
- ☐ Saudi Arabia
- ☐ Syrian Arab Republic
- ☐ Tunisia
- ☐ United Arab Emirates
- ☐ West Bank and Gaza
- ☐ Yemen, Rep.

7e. In which countries in South Asia, has your institution/organization hosted international orthopaedic surgeons from? (Check all that apply)

- ☐ Afghanistan
- ☐ Bangladesh
- ☐ Bhutan
- ☐ India
- ☐ Maldives
- ☐ Nepal
- ☐ Pakistan
- ☐ Sri Lanka

7f. In which countries in Sub-Saharan Africa, has your institution/organization hosted international orthopaedic surgeons from? (Check all that apply)

- ☐ Angola
- ☐ Benin
- ☐ Botswana
- ☐ Burkina Faso
- ☐ Burundi
- ☐ Cabo Verde
- ☐ Cameroon
- ☐ Central African Republic
- ☐ Chad
- ☐ Comoros
- ☐ Congo, Dem. Rep.
- ☐ Congo, Rep
- ☐ Côte d'Ivoire
- ☐ Equatorial Guinea
- ☐ Eritrea
- ☐ Ethiopia
- ☐ Gabon
- ☐ Gambia, The
- ☐ Ghana
- ☐ Guinea
- ☐ Guinea-Bissau
- ☐ Kenya
- ☐ Lesotho
- ☐ Liberia
- ☐ Madagascar
- ☐ Malawi
- ☐ Mali
- ☐ Mauritania
- ☐ Mauritius
- ☐ Mozambique
- ☐ Namibia
- ☐ Niger
- ☐ Nigeria
- ☐ Rwanda
- ☐ São Tomé and Príncipe
- ☐ Senegal
- ☐ Seychelles
- ☐ Sierra Leone
- ☐ Somalia
- ☐ South Africa
- ☐ South Sudan
- ☐ Sudan
- ☐ Swaziland
- ☐ Tanzania
- ☐ Togo
- ☐ Uganda
- ☐ Zambia
- ☐ Zimbabwe

8. To what extent does your institution/organization provide the following types of support to the international orthopaedic surgeons during their observership?

	Not at all	Slightly	Moderately	Considerably	A great deal
a. Interpreter services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Financial support (e.g. Stipend)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Administrative support staff (e.g. Availability of personnel for trouble shooting)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Academic resources (e.g. Access to library)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Transportation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Lodging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Other support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other support (please describe):

9. To what extent has your institution/organization experienced the following barriers hosting international orthopaedic surgeons?

	Not at all	Slightly	Moderately	Considerably	A great deal
a. Lack of funding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Lack of faculty/staff to support the observership program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Difficulty developing relevant curriculum	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Challenges with the logistics of hosting (e.g. Scheduling oversight)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Difficulty obtaining honest feedback from your international orthopaedic surgeons	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Language barriers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Cultural barriers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Other barrier	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other barrier (please describe):

10. What was the most significant barrier that your institution/organization experienced hosting international orthopaedic surgeons?

11. Approximate the total weekly out-of-pocket cost incurred by a single international orthopaedic surgeon to participate in your observership program in U.S. dollars. (Please EXCLUDE the initial arrival and departure costs to the North American host site in this estimation.)

- ☐ \$0
- ☐ \$1-\$500
- ☐ \$501-\$1,000
- ☐ \$1,001-\$1,500
- ☐ \$1,501-\$2,000
- ☐ \$2,001-\$2,500
- ☐ \$2,501-\$3,000
- ☐ \$3,001-\$3,500
- ☐ \$3,501-\$4,000
- ☐ \$4,001-\$4,500
- ☐ \$4,501-\$5,000
- ☐ \$5,001-\$5,500
- ☐ \$5,501-\$6,000
- ☐ \$6,001-\$10,000
- ☐ More than \$10,000

12. What method(s) have been used to fund the observership program at your institution/organization? (Check all that apply)

- ☐ Grant funding
- ☐ Departmental funding
- ☐ Institutional funding
- ☐ Industry funding
- ☐ Fundraising
- ☐ Other
- ☐ The observership program is unfunded.
- ☐ I do not know.

Other funding method (please describe):

Please review your answer to number 12 above, as there is an inconsistency with your response.

13. Which of the following activities does your observership program offer to the international orthopaedic surgeons? (Check all that apply)

- ☐ Attend grand rounds, conferences, seminars, journal club, and other didactic lectures
- ☐ Give a formal presentation on an orthopaedic topic
- ☐ Attend a professional society meeting
- ☐ Observe in the outpatient clinic
- ☐ Participate in inpatient rounds
- ☐ Observe in the operating room
- ☐ Participate in surgical skills lab activities
- ☐ Observe administrative operations to enhance leadership abilities
- ☐ Research
- ☐ Other

Other activity (please describe):

Perceived Impact and Outcomes of the Observership Program:

The following questions relate to the impact and outcomes of your institution/organization's observership program.

14. Following the observership, in what ways have the international orthopaedic surgeons continued to interact with their faculty sponsor or the observership institution/organization? (Check all that apply)

- ☐ Maintained contact via email, phone, social media etc.
- ☐ Clinical consult regarding patient care issues
- ☐ Research projects
- ☐ Return visit to your institution/organization
- ☐ Hosted individuals from your institution/organization
- ☐ Continued participation in scientific meetings with faculty from your institution/organization
- ☐ Other
- ☐ The international orthopaedic surgeons have not continued to interact with their faculty sponsor or the observership institution/organization.

Other way the international surgeon continued to interact (please describe): _____

Please review your answer to number 14 above, as there is an inconsistency with your response.

15. Please rate the following statements as they apply to your perceptions of the impact/outcomes of participating in an observership program in North America on the visiting orthopaedic surgeons.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
a. The visiting orthopaedic surgeons formed relationships with the residents/faculty that will be beneficial to the international surgeons professionally.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. The visiting orthopaedic surgeons gained relevant orthopaedic knowledge.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. The visiting orthopaedic surgeons gained relevant surgical skills.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. The visiting orthopaedic surgeons improved their cultural competence.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16. Please rate the following statements as they apply to your perceptions of the impact/outcomes of participating in an observership program in North America on the North American partners.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
a. The North American partners gained relevant orthopaedic knowledge from the visiting orthopaedic surgeons.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. The North American partners gained relevant surgical skills from the visiting orthopaedic surgeons.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. The North American partners improved their cultural competence.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. The presence of visiting orthopaedic surgeons interfered with the delivery of clinical care by the North American partners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. The presence of visiting orthopaedic surgeons enhanced the delivery of clinical care by the North American partners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. What was the most significant impact the North American observership at your institution/organization had on the visiting international orthopaedic surgeons?

18. My institution/organization examines the quality/outcomes of our observership program by obtaining feedback from the international orthopaedic surgeons.

- ☐ Yes
☐ No
☐ I do not know

19. What is the single most important change you would like to see in your institution/organization's observership program?

Additional Comments:

20. Do you have any other suggestions for how your institution/organization's observership program can be improved? Is there anything else that you would like to share with us about your experience hosting international orthopaedic surgeons?

21. Is there anyone else from your institution/organization or another institution/organization who you feel should be involved in this study?

☐ Yes☐ No

Please provide the name, email, and institution/organization name for the additional contact.

Name:

(First and Last Name)

Email Address:

Institution/Organization Name:

Contact Information for International Orthopaedic Surgeon Observership Participants Over the Past 10 Years:

22. In order to obtain the perspectives of previous international orthopaedic surgeons, can we follow-up with you to obtain the contact information for your program's previous observers or provide you with a survey invitation email template to send to them? This information will be kept confidential.

☐ Yes☐ No

Acknowledgement for Participation:

23. We appreciate your time completing this survey. Would you like to be acknowledged in the peer-reviewed publication for participating in this study?

☐ Yes☐ No

Optional Follow-Up Interview:

24. Would you be willing to participate in a web-based/video interview to further discuss your experiences?

☐ Yes☐ No

Please provide the following:

Your Name:

(First and Last Name)

Your Email Address:

Your Phone Number:
