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Table A1. Hypothetical Scoring Scenarios for Clinical Importance.

Scenario	Definitely Not Important (1-3)	Equivocal or Uncertain Importance (4-6)	Definitely Important (7-9)	Result
1	Panelist A, B, C, D, E, F, G	Panelist H	Panelist I	<i>Definitely Not Important</i>
2	Panelist H	Panelist I	Panelist A, B, C, D, E, F, G	<i>Definitely Important</i>
3	Panelist H	Panelist A, B, C, D, E, F, G	Panelist I	<i>Equivocal or Uncertain Importance</i>
4	Panelist A, B, C, D, E, F	Panelist G, H	Panelist I	<i>Indeterminate</i>
5	Panelist A, B, C, D	Panelist I	Panelist E, F, G, H	<i>Disagreement</i>

Panelists A-I represent the nine panelists and their individual votes in hypothetical scoring scenarios.

Appendix A2. Eighty-three candidate quality measures included in voting

Number	Quality Measure
1	Visiting surgeons (i.e. attendings, fellows, residents) are credentialed at their own hospitals to complete anticipated surgical procedures and operate within their scope of practice
2	Visiting anesthesiologists are credentialed at their own hospital to complete anticipated procedures and operate within their scope of practice
3	Availability of interpretation services for visiting team
4	Presence of a sterilization method for surgical instruments
5	Availability of a continuous supply of running water
6	Availability of continuous electricity and documentation of backup plan for loss of power
7	Presence of oxygen supply and documentation of backup plan
8	Completion of a sponge and instrument count at the end of each surgical procedure
9	Adherence to universal precautions (i.e. gloves, masks) in the operating room
10	Obtaining informed written consent for surgery
11	Completion of a preoperative scrub by members of the surgical team prior to every operation
12	Completion of a needs assessment tool prior to arrival (e.g. WHO situational analysis tool)
13	Completion of an educational component for local surgeons
14	Completion of a preoperative surgical timeout
15	Percentage of sedated patients on the operating room table being secured with a seatbelt
16	Number of local clinical support staff (excluding nurses) available to assist surgical team in clinic
17	Documentation of access to pharmaceuticals
18	Access to X-ray machine
19	Percentage of patients receiving antibiotic prophylaxis (when indicated)
20	Percentage of surgical patients receiving postoperative follow up
21	Presence of local surgeon capable of managing postoperative care (including complications)
22	Number of deaths prior to departure of the visiting team
23	Percentage of patients with a postoperative complication prior to departure
24	Documentation of an exit plan for visiting team in setting of emergency
25	Preoperative review of the operative plan and necessary equipment
26	Presence of a system for reporting adverse events
27	Availability of a general medicine physician to optimize and treat patients in the perioperative period
28	Visiting surgical team (organization) having a database for data/outcome collection
29	Evaluation of knowledge transfer

30	Preoperative marking of patient by the operating surgeon
31	Documentation of a medical treatment plan for a sick team member
32	Presence of surgical instruments for minor surgery
33	Accessibility of a working operative microscope
34	Average ratio of patients to nurses on the inpatient wards
35	Number of local personnel trained in trauma surgery available in the host hospital
36	Number of local personnel trained in anesthesia available in the host hospital
37	Presence of local surgeons to assist during procedures
38	Presence of adequate operating room ventilation
39	Average ratio of bed occupancy to standard capacity of facility
40	Access to single-use gown and drapes
41	Postoperative score on a validated patient reported outcome measure
42	Number of local personnel trained in general surgery available in the host hospital
43	Number of local personnel trained in orthopaedic surgery available in the host hospital
44	Number of local operating room personnel to assist surgical team in the operating room
45	Number of operating rooms
46	Presence of an emergency room
47	Access to intraoperative fluoroscopy
48	Access to a blood bank
49	Access to CT scanner
50	Percentage of patients receiving 2% mupirocin decolonization in known nasal carriers of <i>Staphylococcus aureus</i>
51	Percentage of underweight patients receiving preoperative nutritional supplement
52	Cost/disability adjusted life years (DALYs) averted
53	Facility has a policy on physician/surgeon conflict of interest
54	The number of patients requiring surgery divided by the number of operative procedures performed (i.e. clinical effectiveness)
55	Frequency of equipment inventory
56	Percentage of patients receiving thromboprophylaxis (when indicated)
57	Photographic documentation of postoperative range of motion in chart
58	Percentage of patients bathing or showering prior to surgery with plain or antimicrobial soap
59	Percentage of patients having hair removed with a clipper preoperatively
60	Collection of postoperative patient satisfaction scores
61	Collection of patient reported outcomes after surgery
62	Number of intensive care unit beds
63	Access to a laboratory
64	Presence of adequate operating room lighting and back up lighting
65	Presence of surgical instruments for major surgery
66	Presence of surgical instruments for orthopaedic surgery

67	Presence of a post anesthesia recovery room
68	Presence of safe surgical waste disposal
69	Presence of a morbidity and mortality conference at the hospital/clinic
70	Number and type of procedures completed by the visiting surgical team
71	Number of patients seen in clinic by the visiting surgical team per trip
72	Logging of clinic patients seen and procedures performed (i.e. numbers, type of operations, CPT codes)
73	Documentation of time the tourniquet was inflated (i.e. tourniquet time)
74	Documentation of an appropriate plan for surgical patients to receive postoperative follow up
75	Preoperative score on a validated patient reported outcome measure
76	Presence of a health record system in the local hospital/clinic
77	Presence of a communication system between a local physician and a visiting surgeon after the trip
78	Presence of a system for medication reconciliation
79	System in place to contact patients for follow up after discharge
80	Documentation of pertinent information regarding procedures performed (i.e. operative reports, implant records) and plan of care (i.e. postoperative protocols)
81	Supplemental international healthcare coverage (including extraction coverage) for all team members
82	Access to physical or occupational therapy after surgery
83	Availability of a pediatrician when treating patients