Commentary: Doing what is right—We are all in this together

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In this issue of the Journal, Beller and colleagues have addressed the issue of the effect of transfer status on real-world outcomes in nonelective cardiac surgery. Patients undergoing cardiac operations registered in the Virginia Cardiac Services Quality Initiative and evaluated with the Society of Thoracic Surgeons predicted risk of mortality who required admission before surgery were included. Subsequently, patients were stratified by admission through the emergency department of the hospital where they were operated on or, when transferred from another hospital, were stratified by those hospitals with or without a cardiac surgery program.

The study included 13,094 patients; of these, 7582 were transfer patients, including 502 who were referred from cardiac centers. The transferred patients had increased hospital costs relative to those admitted through local emergency departments. They had equivalent postoperative morbidity, and in a risk-adjusted analysis, the transfer status was not independently associated with worse outcomes. Patients transferred from centers that performed cardiac surgery, however, were at higher risk than those transferred from hospitals without a cardiac surgery program (Society of Thoracic Surgeons predicted risk of mortality, 2.5% vs 1.5%; P < .01). Excellent risk-adjusted outcomes after operations were observed, with an observed to expected ratio for mortality of 0.81 and an observed to expected ratio for combined morbidity or mortality of 0.90; 19% and 10% less than expected, respectively. Cost data were also obtained and revealed that transferred patients had a risk-adjusted increase in hospital cost of $6141 and a 0.352-day increase in length of stay in the operating hospital.

Beller and colleagues concluded that “patients are being appropriately selected for transfer to centers best equipped to manage them.” The other interesting aspect is that the sickest patients at highest risk were transferred from one cardiothoracic surgery center to another, probably related to the recognition by the cardiac surgeon at the referral site of additional risk variables not recorded in the Society of Thoracic Surgeons database, which led to the conclusion that the patient’s risk was likely greater than the Society of Thoracic Surgeons calculated predicted risk of mortality score, thus leading to the referral of patients at higher risk. The excellent results rendered by the hospital to which they were referred, however, indicates an appropriate transfer of patients to where they could be best treated, usually an institution with higher specialization.

There has been much talk during the past several years about surgeons referring high-risk patients to another hospital because of the motivation of “risk avoidance.” We believe that the vast majority of surgeons act in the best interest of their patients and therefore refer these high-risk patients, results in better than expected outcomes (mortality observed/expected, 0.81).

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optimistic viewpoint, and it is a welcome addition to the *Journal* and to our specialty’s literature. Remember, we are all in this together to deliver the best care possible for our patients.

**Reference**