

The following content was supplied by the authors as supporting material and has not been copy-edited or verified by JBJS.

Appendix 1. Equianalgesic conversion ratios. All opioid analgesics administered to patients in the post anesthesia care unit (PACU) and/or orthopedic ward and/or consumed by patients after discharge within the first 3 postoperative days were converted into mg of peroral (PO) Morphine.

Type of opioid analgesic administered and/or consumed within 3 days postoperatively	Conversion ratio (Other opioid : PO Morphine)
Morphine PO	1:1
Morphine IV	1:3
Oxycodone PO (long and short acting)	1:1.5
Codeine PO	1:0.1
Ketobemidone PO	1:1
Ketobemidone IV	1:3
Tramadol PO	1:0.1
Alfentanil IV	1:75

IV = Intravenous