



## Blood Loss During Delivery Resources

Document Topic	Link	Description
<b>BLOOD LOSS DURING DELIVERY RESOURCES</b>		
<b>GENERAL</b>		
<b>MDPQC Hemorrhage Initiative</b>	<a href="#">Current Initiatives   MDPQC</a>	
<b>AIM Obstetric Hemorrhage</b>	<a href="#">Obstetric Hemorrhage   AIM (saferbirth.org)</a>	Bundles, Resources, Change Package, Implementation webinar.
<b>AIM Obstetric Hemorrhage Patient Safety Bundle</b>	<a href="#">AIM Obstetric Hemorrhage Bundle Elements</a>	
<b>ACOG Guidance on Quantification of Blood Loss During OB Hemorrhage</b>	<a href="#">ACOG Guidance on Quantification of Blood Loss During OB Hemorrhage - The ObG Project</a>	Guidance on quantification of blood loss during an obstetrical hemorrhage.
<b>Obstetric Hemorrhage - Bundle</b>	<a href="#">Obstetric Hemorrhage   ACOG</a>	Rist Assessment, Hemorrhage Stages, Recommended Instruments, Managing Maternal Hemorrhage, Massive Transfusion Protocol, Surgical Management.
<b>National Partnership for Maternal Safety: Consensus Bundle on Support After a Severe Maternal Event</b>	<a href="#">Consensus Bundle on Support After a Severe Maternal Event (mdpqc.org)</a>	Provides the rationale and supporting evidence for the support after a severe maternal event bundle.
<b>JADA Office Hours Recording</b>	<a href="#">MDPQC Maternal Office Hours - Zoom</a>	Incorporating the JADA System Into Your Postpartum Hemorrhage Toolkit.
<b>Toolkit of Best Obstetric Hemorrhage Treatments Saves Hospitals Money, Stanford Medicine Study Finds.</b>	<a href="#">Toolkit of best obstetric hemorrhage treatments saves hospitals money, Stanford Medicine study finds   News Center   Stanford Medicine</a>	Not only do evidence-based treatments for excessive bleeding during birth save lives, the also lower health care costs.
<b>An Effort to Better Manage PPH Using a Stage-Based Protocol</b>	<a href="#">MDPQC Office Hours Slides 04.02.24</a>	Office Hours presentation by SGAH.



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<b>Maternal Hospital Engagement and Readiness Too (HEART) Results Summary: Obstetric Hemorrhage</b>	<a href="https://mdpqc.org/ob-hem-heart-summary">OB HEM HEART Summary (mdpqc.org)</a>	HEART measures baseline implementation of initiative components as well as general facility readiness for quality improvement.
<b>Postpartum Hemorrhage</b>	<a href="https://clevelandclinic.org/health/condition/1147/postpartum-hemorrhage">Postpartum Hemorrhage: Causes, Risks, Diagnosis &amp; Treatment (clevelandclinic.org)</a>	PPH can occur after delivery or up to 12 weeks postpartum, types of PPH.
<b>Postpartum Hemorrhage</b>	<a href="https://www.marchofdimes.com/postpartum-hemorrhage">Postpartum hemorrhage   March of Dimes</a>	General Information on how to know if you have PPH, risk factors, conditions that affect the uterus, tests and treatment.
<b>IMPLEMENTATION RESOURCES</b>		
<b>AIM Obstetric Hemorrhage Element Implementation Details</b>	<a href="#">AIM Obstetric Hemorrhage Element Implementation Details</a>	
<b>Postpartum Hemorrhage Protocols and Benchmarks: Improve Care Through Standardization</b>	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6848441/">Postpartum hemorrhage protocols and benchmarks: improving care through standardization - PMC (nih.gov)</a>	A stage-based hemorrhage protocol for postpartum hemorrhage management.
<b>Patients Who Decline Blood Products</b>	<a href="https://www.acog.org/clinical/clinical-guidance/practice-bulletin/articles/2019/04/patients-who-decline-blood-products">smi-ob-hemorrhage-bundle-patients-who-decline-blood.pdf (acog.org)</a>	Guidance.
<b>California Obstetric Hemorrhage Care Guidelines: Checklist Format</b>	<a href="#">Appendix B Obstetric Hemorrhage Care Guidelines Checklist Format (1).pdf</a>	Checklist.
<b>California Obstetric Hemorrhage Care Guidelines: Table Format</b>	<a href="#">Appendix C Obstetric Hemorrhage Care Guidelines Table Format Errata 7.2022.pdf (cmqcc.org)</a>	Table of Obstetric Hemorrhage stages.
<b>Alabama Obstetric Hemorrhage: Checklist</b>	<a href="#">SMI-ob-hemorrhage-bundle-hemorrhage-checklist-d3d9cd2cc3f30c3c.pdf (bpb-us-w2.wpmucdn.com)</a>	Checklist.



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<b>EVALUATING BLOOD LOSS</b>		
<b>MDPQC Office Hours: Shady Grove Medical Center Triton Overview Slides</b>	<a href="#">MDPQC Triton System Office Hours Slides</a>	
<b>Methods for Blood Loss Estimation After Vaginal Birth</b>	<a href="#">Methods for blood loss estimation after vaginal birth - PMC (nih.gov)</a>	Review of the different methods for estimating blood loss. More than half of all maternal deaths occur within 24 hours of giving birth; severe bleeding in the postpartum period is the single most important cause.
<b>Measuring and Communicating Blood Loss During Obstetric Hemorrhage</b>	<a href="#">Measuring and Communicating Blood Loss During Obstetric Hemorrhage - Journal of Obstetric, Gynecologic &amp; Neonatal Nursing (jognn.org)</a>	Accurate quantification of blood loss in an essential skill necessary to prevent morbidity and mortality associated with obstetric hemorrhage. Visual estimation of blood has been consistently shown to be extremely inaccurate.
<b>Methods for Estimating Blood Loss After Vaginal Birth to Improve Maternal Outcomes (Vaginal)</b>	<a href="#">Methods for estimating blood loss after vaginal birth to improve maternal outcomes   Cochrane</a>	Hemorrhage happens mostly in low-income countries. Reviews studies that look at three methods of ways to measure blood loss.
<b>Quantification of Blood Loss in Obstetric Hemorrhage: Implications on Intervention and Transfusion</b>	<a href="#">Quantification of blood loss in obstetric haemorrhage: implications on intervention and transfusion - Hague - 2023 - The Obstetrician &amp; Gynaecologist - Wiley Online Library</a>	Although current data does not support any one method of quantifying hemorrhage bundle implementation is associated with improved outcome measures.
<b>Quantifying Postpartum Blood Loss: Best-Practice Approach to Identify Hemorrhage</b>	<a href="#">NMIE0722_ADpage_Deepak.indd (lww.com)</a>	



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<b>Quantitative Blood Loss in Obstetric Hemorrhage</b>	<a href="#">Quantitative Blood Loss in Obstetric Hemorrhage   ACOG</a>	Studies that have evaluated factors associated with identification and treatment of postpartum hemorrhage have found that imprecise health care provider estimation of actual blood loss during birth and the immediate postpartum period is a leading cause of delayed response to hemorrhage.
<b>Postpartum Hemorrhage: Prevention and Treatment</b>	<a href="#">Postpartum Hemorrhage: Prevention and Treatment   AAFP</a>	ACOG defines early postpartum hemorrhage as at least 1,000 mL total blood loss or loss of blood coinciding with signs and symptoms of hypovolemia within 24 hours after delivery of fetus or intrapartum loss.
<b>Quantification of Blood Loss: AWHONN Practice Brief Number 13</b>	<a href="#">Quantification of Blood Loss: AWHONN Practice Brief Number 13 - Journal of Obstetric, Gynecologic &amp; Neonatal Nursing (jognn.org)</a>	The Association of Women's Health, Obstetric and Neonatal Nurses (AWHONN) recommends that cumulative blood loss be objectively measured or quantified for every birth.
<b>OB Hemorrhage Part 1: QBL Terms and Techniques</b>	<a href="#">PowerPoint Presentation (mhanet.com)</a>	Define quantification of blood loss (QBL). Review measurement techniques for quantification and cumulation of blood loss.
<b>Methods for Blood Loss Estimation After Vaginal Birth</b>	<a href="#">Methods for blood loss estimation after vaginal birth - PMC (nih.gov)</a>	Discussion about the different methods used to measure blood loss starting during the 3 <sup>rd</sup> stage of labor.
<b>Quantification of Blood Loss Improves Detection of Postpartum Hemorrhage and Accuracy of Postpartum Hemorrhage Rates</b>	<a href="#">Quantification of Blood Loss Improves Detection of Postpartum Hemorrhage and Accuracy of Postpartum Hemorrhage Rates: A Retrospective Cohort Study - PMC (nih.gov)</a>	Visual estimation of blood loss vs. quantitative blood loss, to predict the need for blood transfusion in postpartum patients.



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<b>DATA</b>		
AIM Obstetric Data Collection	<a href="#">AIM Obstetric Hemorrhage Data Collection Plan</a>	Core Data Collection Plan.
AIM Data Submission-Obstetric Hemorrhage	<a href="#">Hemorrhage Data Submission (mdpqc.org)</a>	MDPQC – AIM – Data submission guide.
AIM Data Submission-Obstetric Hemorrhage - Recording	<a href="#">MDPQC Maternal Office Hours - Zoom</a>	MDPQC - Recording -Office Hours Obstetric Hemorrhage Measures in Maryland.
Utilizing EPIC “My Reports” to Collect MDPQC Hemorrhage Data	<a href="#">MDPQC Maternal Office Hours - Zoom</a>	MDPQC – Recording – how to collect Hemorrhage Data using EPIC.
<b>OTHER STATE PQC RESOURCES</b>		
Alabama PQC - OBH	<a href="#">Obstetric Hemorrhage   Alabama Perinatal Quality Collaborative (alpgc.org)</a>	
California Maternal Quality Care Collaborative	<a href="#">Obstetric Hemorrhage   California Maternal Quality Care Collaborative (cmqcc.org)</a>	
Florida Perinatal Quality Collaborative – OHI (Past Initiative)	<a href="#">OHI Initiative   USF Health</a>	
Georgia PQC – OBI (Past Initiative)	<a href="#">Obstetric Hemorrhage (georgiapqc.org)</a>	
New York PQC – (Past Initiative)	<a href="#">New York State Perinatal Quality Collaborative (NYSPQC) Projects</a>	
Oklahoma PQIC – (Past Initiative)	<a href="#">Completed Initiatives – OPQIC</a>	
Oregon Perinatal Collaborative (Past Initiative) 2022	<a href="#">Obstetric Hemorrhage - Oregon Perinatal Collaborative</a>	