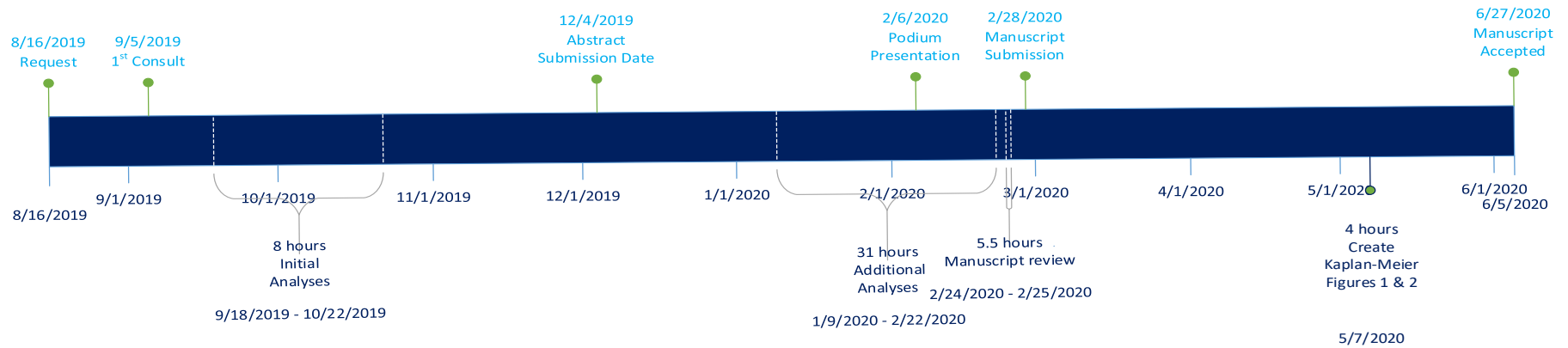


Case Example: Phases of the Biostat Core Consultation Process

Purpose: To illustrate the lifecycle of a successful DoS Biostat Core consultation by a resident researcher.

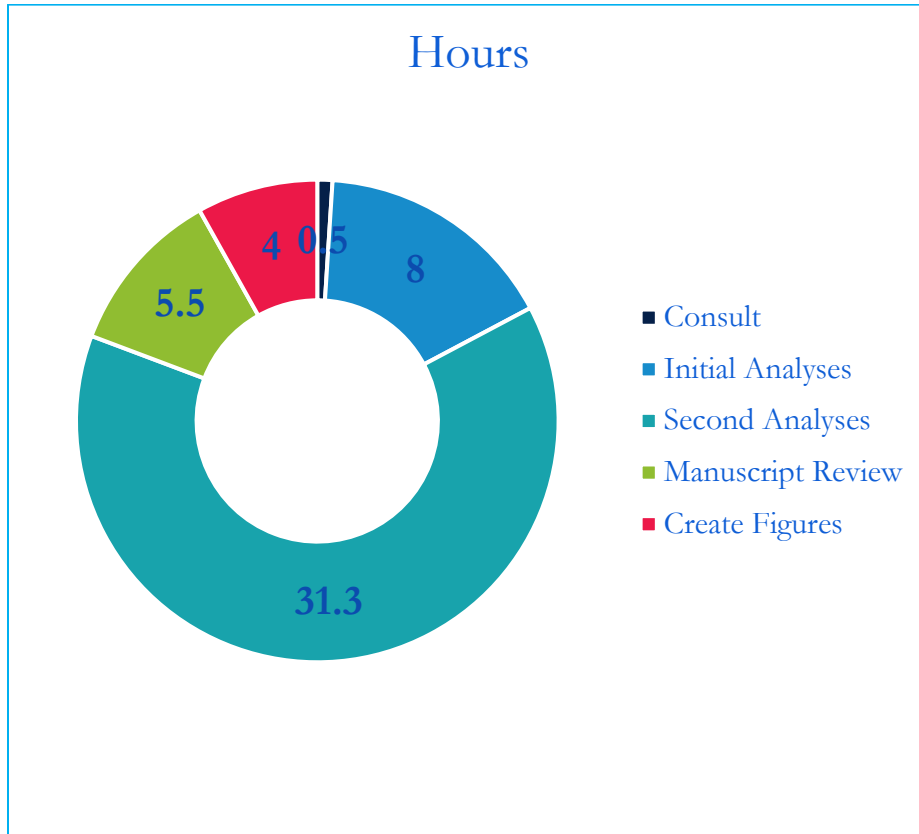
Timeline: Total time from consult request to manuscript accepted: 8.5 months.



Project Hours and Consult Activities: Program language used – SAS v. 9.4

Time (in hours)	Activity
--	Request Consult – via REDCap Brief Form – performed by resident
0.5	Initial Consultation w/ Biostatistician
8.0	Initial Analyses w/ SAS
--	Abstract submitted and accepted for podium presentation – performed by resident ⁽¹⁾ . Won an award at Academic Surgical Congress meetings.
22.5	2nd Analyses - Comprehensive Per the resident researcher and faculty mentor: In order to make the study more comprehensive for the presentation and future manuscript, we would be interested in comparing: <ul style="list-style-type: none"> • Use existing data but add a new cohort for comparison: The data already analyzed in the abstract (n=179) to an older cohort of colorectal liver metastasis patients. • Outcomes of interest: We would be interested in overall survival, disease free recurrence, and use of chemotherapy, and stratifying the patients into synchronous vs metachronous categories like before. (Case definition: synchronous being presentation of liver metastasis within 12 months of colorectal cancer diagnosis, metachronous being >12 months). • Additional cohort: I am currently accruing data for around 120 patients for this historic cohort. Abstraction done by resident and data set provided to the DoS Biostats Core statistician.
4.0	Manuscript – write stats section for manuscript <ul style="list-style-type: none"> • Communication between statisticians Drs. Huang and Jin and the researchers - 4 hours. Wrote description of analysis in the methods section of the manuscript.
5.5	Manuscript review <ul style="list-style-type: none"> • 5.5 hours discussion with resident researcher and Dr. Jin; comment on the manuscript and review.
4.0	Generate Kaplan-Meier figures (n=2) for manuscript
--	Resident submits manuscript ⁽²⁾ .

Total Biostatistician Project Time by Major Category of Effort:



Total Project Hours: 53.3 hours

Free Hours Allocated: 20 hours – per [DoS Biostat Policy](#)

Eligible Recharge Hours: 33.3 hours

Potential need for support: range of recharge estimates

- **Minimum recharge:** 33.3 hours x \$100.00 / hour = \$3,300.00
- **Maximum recharge:** 33.3 hours x \$175.00 / hour = \$5,827.50

Tables and Figure Output for Manuscript: Five tables and two figures were included in the final 11-page published manuscript.

1. TBL 1. Patient characteristics of modern and historic cohorts
2. TBL2. Operative characteristics of colorectal liver metastases
3. TBL 3. Pathology and postoperative characteristics – modern cohort only
4. TBL 4. Chemotherapy profiles
5. TBL 5. Recurrence and patient disease status
6. Figure 1. Disease specific survival
7. Figure 2. Progression free survival

References:

1. Wisneski, AD, Huang C-Y, Jin C, Warren R, Hirose K, Nakakura EK, and Corvera CU. "Synchronous Versus Metachronous Colorectal Liver Metastasis Yields Similar Survival in Modern Era." Academic Surgical Congress, Orlando, FL, 2/6/2020 2020.
2. Wisneski, A. D., C. Jin, C. Y. Huang, R. Warren, K. Hirose, E. K. Nakakura, and C. U. Corvera. "Synchronous Versus Metachronous Colorectal Liver Metastasis Yields Similar Survival in Modern Era." *J Surg Res* 256 (Aug 13 2020): 476-85. <https://doi.org/10.1016/j.jss.2020.06.038> . <https://www.ncbi.nlm.nih.gov/pubmed/32798995> .