| **Risk** | **Impact** | **Mitigation** |
| --- | --- | --- |
| **End-to-end orchestration not tested in preprod** | Incomplete orchestration testing could lead to integration issues in production, particularly with reporting and dataset refresh. | Perform additional testing in a controlled environment that closely mirrors production. Schedule a thorough post-deployment check to quickly identify and resolve issues. |
| **Open defects (S2 and S3)** | May lead to moderate to minor functionality issues impacting user experience. | Prioritize fixing these defects in the immediate next release. Monitor user feedback and issue logs closely to address any emerging problems quickly. |
| **Data load and incremental validation limited by sample size in preprod** | Incomplete validation might miss issues that could surface with larger volumes in production. | Conduct stress testing with increased data volumes as soon as feasible. Implement detailed monitoring to detect any data load issues early in production. |
| **Performance and cost analysis not benchmarked** | Potential performance degradation or unexpected cost increases in production. | Implement detailed performance monitoring and cost tracking from the outset. Optimize and refactor code based on real-time data gathered post-release. |
| **Open defects related to migrated data** | Certain functionalities may not work as expected, causing user frustration and potential data inconsistencies. | Expedite defect resolution and implement a workaround for critical functionalities. Communicate clearly with end-users about the known issues and expected resolution timelines. |
| **Data quality issues and untested edge cases due to parallel testing** | Defective data and untested edge cases could lead to unforeseen errors in production. | Coordinate with testing teams to isolate environments and minimize defect data leakage. Plan for extended testing of edge cases in a follow-up release. |
| **Conditional UAT signoff for Aurora TS03** | Potential for new issues to arise during the warranty period. | Provide robust support during the warranty period. Ensure quick turnaround for any reported issues and include fixes in the next scheduled release. |
| **Limited volume of migrated data currently in production** | Performance metrics might not accurately reflect future states with increased data volume. | Gradually increase migrated data volume and closely monitor system performance. Prepare to scale resources and optimize performance as needed. |