IT Risk Assessment Matrix:

| **Risk ID** | **Risk Description** | **Likelihood** | **Impact** | **Risk Rating** | **Mitigation / Controls** | **Risk Owner** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| R1 | Staff use weak passwords or reuse passwords | Likely | Moderate | High | Enforce password policy, enable MFA, provide security training | IT Consultant | In Progress |
| R2 | Malware infection via email attachments | Possible | Major | High | Implement email filtering, user awareness training, antivirus tools | IT Consultant | In Progress |
| R3 | Theft/loss of clinic laptop with patient data | Unlikely | Major | Medium | Encrypt all devices, remote wipe capabilities, physical security protocols | Practice Manager | Planned |
| R4 | Inadequate access deprovisioning for ex-employees | Possible | High | High | Quarterly access reviews, deactivation checklist, use IAM system | Practice Manager | In Progress |
| R5 | Backup failure leading to data loss | Rare | Critical | Medium | Regular restore tests, backup alerts, offsite encrypted backups | IT Consultant | Ongoing |
| R6 | Patient data emailed without encryption | Possible | High | High | Use secure messaging platforms, disable external email for certain roles | Practice Manager | Not Started |
| R7 | Third-party billing system breach | Unlikely | Critical | Medium | Due diligence on vendors, contracts with security clauses, regular reviews | Clinic Director | Planned |

| **Likelihood** | **Description** |
| --- | --- |
| Rare | Unlikely to occur |
| Unlikely | Could happen, but rare |
| Possible | Might occur sometimes |
| Likely | Will probably occur |

**Risk Acceptance Justification**

Some residual risks (e.g., R3 and R5) are accepted due to the clinic’s limited resources. Mitigating controls (encryption, backups) reduce the likelihood and impact. A formal cost-benefit review determined that additional controls at this stage are not justified, but these risks will be monitored closely and re-evaluated during quarterly reviews.