**Table S1**. Criteria for Study Defined UTI Diagnostic Classifications

|  |  |
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| **Cystitis** |  |
|  |  |
| Definite/probable | * Presence of dysuria or other significant urinary symptoms |
| All 4 criteria required | * Absence of significant vaginal signs/symptomsa |
|  | * Positive urinalysisb or positive urine culture |
|  | * Absence of an alternative diagnosis |
|  |  |
| Possible | * Not meeting criteria for other categories |
|  |  |
| Unlikely | * Absence of significant urinary symptoms |
| Any of the 4 required | * Presence of significant vaginal signs/symptomsa |
|  | * Negative urinalysisc |
|  | * Probable alternative diagnosis |
|  |  |
| Rejected | * Definitive alternative diagnosis |
| Any of the 3 criteria required | * Negative urine culture in the absence of antibiotics within the last week |
|  | * No resolution/improvement in signs/symptoms despite adequate UTI treatment. |
|  |  |
| **Pyelonephritis** |  |
|  |  |
| Definite/probable | * Temperature > 37.8 or reported fever/chills or leukocytosis |
| All 5 criteria required | * Either flank pain or significant urinary symptoms |
|  | * Absence of significant vaginal signs/symptomsa |
|  | * Positive urinalysisb |
|  | * Absence of alternative diagnosis |
|  |  |
| Possible | * Not meeting criteria for other categories |
|  |  |
| Unlikely  Any of the 4 criteria required | * Absence of temperature > 37.8, reported fever/chills, leukocytosis, or flank pain |
|  | * Presence of significant vaginal signs/symptomsa |
|  | * Negative urinalysisc |
|  | * Probable alternative diagnosis |
|  |  |
| Rejected | * Definitive alternative diagnosis |
| Any of the 3 criteria required | * Urine culture negative in the absence of antibiotics within the last week OR |
|  | * No resolution/improvement of symptoms/signs in follow up despite adequate UTI treatment |

a in the absence of a positive urine culture

ba positive urinalysis = presence of at least one of the following; positive nitrite, positive leukocyte esterase or > 5 wbc/hpf

ca negative urinalysis = negative nitrite, negative leukocyte esterase and if done < 5 wbc/hpf

Consider leukocyte esterase=trace as negative if wbc < 5 wbc/hpf