LVO_diagnostic_output_titles

LVO
Number of LVOs eligible for thromboylsis
min time to thrombolysis
Lower quartile time to thrombolysis
median time to thrombolysis
Upper quartile time to thrombolysis
max time to thrombolysis
mean time to thrombolysis

nonLVO
Number of nonLVOs eligible for thromboylsis
min time to thrombolysis
Lower quartile time to thrombolysis
median time to thrombolysis
Upper quartile time to thrombolysis
max time to thrombolysis
mean time to thrombolysis

ALL THROMBOLSYSIS PATIENTS
Number of patients eligible for thromboylsis
min time to thrombolysis
Lower quartile time to thrombolysis
median time to thrombolysis
Upper quartile time to thrombolysis
max time to thrombolysis
mean time to thrombolysis

LVO THROMBECTOMY
Number of patients eligible for thrombectomy
min time to thrombectomy
Lower quartile time to thrombectomy
median time to thrombectomy
Upper quartile time to thrombectomy
max time to thrombectomy
mean time to thrombectomy
proportion_thrombectomy_requiring_onwards_transfer

CORRECT ALLOCATION
Number of LVO admissions going to HASU first and it's correct
Number of LVO admissions going to CSC first and it's correct
Number of LVO admissions going to right location first
Number of nonLVO admissions going to HASU first and it's correct
Number of nonLVO admissions going to CSC first and it's correct
Number of nonLVO admissions going to right location first
Number of mimic admissions going to HASU first and it's correct
Number of mimic admissions going to CSC first and it's correct
Number of mimic admissions going to right location first
Number of haemorrage admissions going to HASU first and it's correct
Number of haemorrage admissions going to CSC first and it's correct
Number of haemorrage admissions going to right location first

INCORRECT ALLOCATION
Number of LVO admissions going to HASU first and it's incorrect
Number of LVO admissions going to CSC first and it's incorrect
Number of LVO admissions going to wrong location first
Number of nonLVO admissions going to HASU first and it's incorrect
Number of nonLVO admissions going to CSC first and it's incorrect
Number of nonLVO admissions going to wrong location first
Number of mimic admissions going to HASU first and it's incorrect
Number of mimic admissions going to CSC first and it's incorrect
Number of mimic admissions going to wrong location first
Number of haemorrage admissions going to HASU first and it's incorrect
Number of haemorrage admissions going to CSC first and it's incorrect
Number of haemorrage admissions going to wrong location first

ADMISSION ALLOCATION AND ADDITIONAL TRAVEL CAUSED
Admissions going to HASU first that's correct
Admissions going to HASU first that's incorrect
Admissions going to CSC first that's correct
Admissions going to CSC first that's incorrect
admissions_go_to_HASU first
admissions_go_to_CSC_first
admissions_go_to_right_first
admissions_go_to_wrong_first
admissions_transferred CSC_to_HASU
admissions_transferred_HASU_to_CSC
admissions_go_to_HASU_final
admissions_go_to_CSC_final
Total time travelling in perfect solution (all patients go to where they need to first)
Total time travelling in this solution (depending on the setup of the diagnostic test)
Total time travelling, drip n ship solution (no diagnostic test & all patients attend nearest centre based on the system as defined by the user: decision bias/repatriation etc)
Number of admissions with an unnecessary_delay for thrombolysis (2 patient groups 1. LVO elig for tlysis & not Ttomy 2. nonLVO elig Ttomy) [patient groups are reported below]
Total unnecessary time for thrombolysis delay (send those 2 patient groups to nearer HASU, and compare the additional time taken with them all going to their nearest CSC)
Mimic admissions going further to a CSC (these have no treatment in model, so no treatment delay, just extra travelling and now at a location further from home)
haemorrage admissions going further to a CSC (these have no treatment in model, so no treatment delay, just extra travelling and now at a location further from home)
nonLVO admissions going further to a CSC (some have treatment so there's a treatment delay, for others no treatment so just extra travelling & at location further from home)
nonLVO admissions elig for thrombolysis so delay in treatment
nonLVO admissions not elig for thrombolysis, no delay in treatment but travel further
LVO admissions going unecessarily further to a CSC (these are 2 patient groups, those that need thrombolysis, and those that don't)
LVO admisisons elig for thrombolysis but not thrombectomy going unnecessarily further to CSC
LVO not elig for any treatment going further to a CSC

INPUTS
LVO_as_proportion_of_ischaemic_stroke
rate of mimics as a % of strokes
Rate of haemorragics as % of ischaemic strokes
Stroke symptom onset time known (used to select the patients to do the LVO diagnostic test on, else to HASU as will not be eligible for any treatmer
Decision bias: Any patient with a CSC less than this many minutes more (over a nearer HASU) will have their location determined by the diagnostic
Specificity for stroke patients (used on the nonLVO stroke patients and haemorrage patients, ie. stroke patients but not LVOs)
Sensitivity for stroke patients (used on the LVO stroke patients)
Specificity for mimics (used on the mimics, assume less are likely to be misclassified as a LVO)
nonLVO patients that are suitable for thrombolysis
LVO patients that are suitable for thrombolysis
LVO patients that are suitable for thrombolysis
LVO patients that are suitable for thrombolysis
Of those LVO patients suitable for thrombolysis, proportion suitable for thrombectomy
Proportion patients had thrombolysis that are repatriated (from CSC to a nearer HASU)
Proportion patients not had thrombolysis that are repatriated (from CSC to a nearer HASU)
Proportion of all admissions that are mimics
Proportion of all admissions that are strokes
Proportion of all admissions that are ischaemic
Proportion of all admissions that are haemorragics
Proportion of all admissions that are LVO
Proportion of all admissions that are nonLVO
Proportion of all admissions that are eligible for thrombolysis
Proportion of all admissions that are eligible for thrombectomy