



Начало
getInfected(bool)

condition = QRandomGenerator::global()->bounded(1.0F) + throughMask * MASK_PROTECTION < _disease->contagiousness && QRandomGenerator::global()->bounded(1.0F) > _immunity

condition

Да

_isInfected = true

delta = qMax(MIN_DELTA_HALFDAYS, static_cast<ushort>(_disease->recoveryDays * 2 * DELTA_PART))

_halfdayBeforeRecovery = _disease->recoveryDays * 2 + (QRandomGenerator::global()->bounded(delta * 2 + 1) - delta)

_halfdayBeforeRecovery < 1 && _disease->recoveryDays > 0

Да

_halfdayBeforeRecovery = 1

delta = qMax(MIN_DELTA_HALFDAYS, static_cast<ushort>(_disease->recoveryDays * 2 * DELTA_PART))

Нет

_halfdayBeforeRecovery = _disease->recoveryDays * 2 + (QRandomGenerator::global()->bounded(delta * 2 + 1) - delta)

_halfdayBeforeRecovery < 1 && _disease->recoveryDays > 0

Да

_halfdayBeforeRecovery = 1

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Нет

_halfdayBeforeRecovery = _disease->recoveryDays * 2 + (QRandomGenerator::global()->bounded(delta * 2 + 1) - delta)

_halfdayBeforeRecovery < 1 && _disease->recoveryDays > 0

Да

_halfdayBeforeRecovery = 1

Конец
getInfected(bool)

Нет

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Блок-схема алгоритма,
реализующего
распространение болезни

Лит.	Масса	Масштаб
		1:1
Лист	4	Листов 5

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