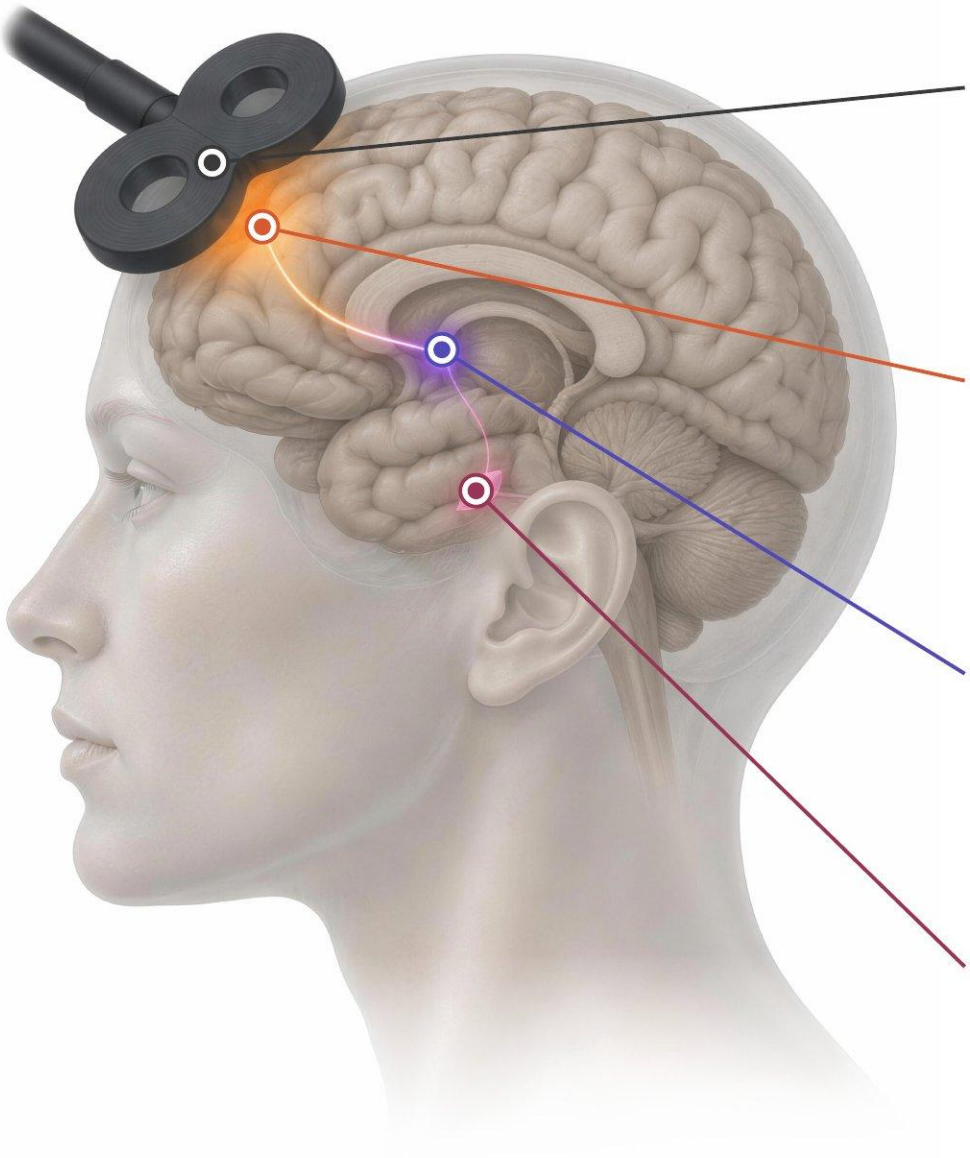
# How TMS reaches the mood circuit

the frontolimbic circuit in depression



## Figure-8 coil

rests on the scalp
field reaches about 1 inch deep

## Treatment spot

left DLPFC
dorsolateral prefrontal cortex
the only place the coil reaches

## Mood center

sgACC
subgenual anterior cingulate cortex
deep · overactive in depression

## Alarm center

amygdala
fear and threat response
settles as the mood center calms

## The coil only reaches the surface.

The brain's own wiring carries the effect the rest of the way.

**Whole DLPFC**
about the size of a business card

**Coil's focus**
about the size of a quarter

**Depth of effect**
about 1 inch below the scalp



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