Higgs portals to pulsar collapse FATEMEH ELAHI, JOSEPH BRAMANTE, University of Notre Dame — Pulsars apparently missing from the galactic center could have been destroyed by asymmetric fermionic dark matter ($m_X = 1 - 100$ GeV) coupled to a light scalar ($m_\phi = 5 - 20$ MeV), which mixes with the Higgs boson. We point out that this pulsar-collapsing dark sector can resolve the core-cusp problem and will either be excluded or discovered by upcoming direct detection experiments. Another implication is a maximum pulsar age curve that increases with distance from the galactic center, with a normalization that depends on the couplings and masses of dark sector particles. Finally, we use old pulsars outside the galactic center to place bounds on asymmetric Higgs portal models.