

# Inside/outside circle and proximity points

For purposes of allocation, the donor hospital below is at the center of a fixed-distance circle with a 250 nautical mile (NM) radius. Kidney matches are run based on [donor KPDI](#).

When a match run occurs, transplant candidates are awarded proximity points based on the distance between the location of their transplant hospital and that of the donor hospital. Proximity points are part of a candidate's kidney allocation score. Kidney candidates receive an allocation score according to the total of all points assigned in Table 8-1 of [the kidney policy notice](#). Pancreas candidates receive an allocation score according to Table 11-1 of [the pancreas policy notice](#).

Proximity points only prioritize candidates **within** their classification—proximity points alone could not prioritize a candidate that is registered outside of the circle before a candidate that is inside the circle. Offers are made in order to a list of candidates within a classification. Once a classification is exhausted, offers are then made to candidates in the next classification within the sequence. See table below for classifications within all sequences.\*

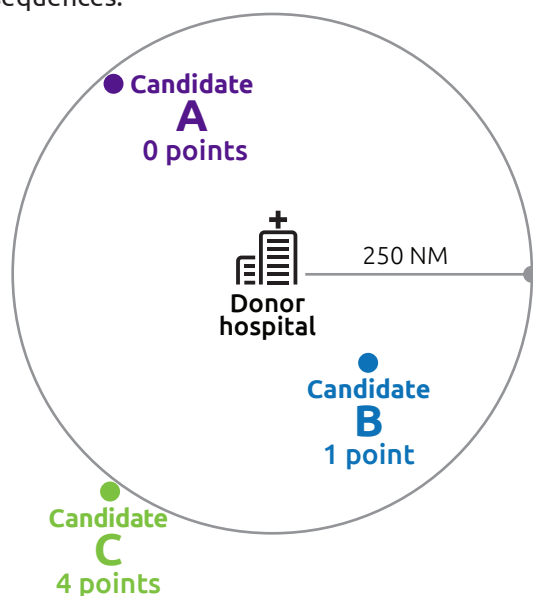
In this example, all three candidates are classified in Sequence B.

- Candidate A and Candidate B are **both** classified “Inside Circle (All)” in Sequence B, but Candidate A is further away from the donor hospital.
- Candidate C is classified as “National (All)” inside Sequence B

Candidates **inside** the fixed circle, such as Candidate A and B, can be awarded a maximum of two proximity points. Proximity points decrease linearly out to the circle boundary, where a candidate would receive no additional proximity points. Although in this example Candidate A did not receive any proximity points, they would be higher on the match if their total kidney allocation score is greater than Candidate B's allocation score, even though Candidate B is closer to the donor hospital.

If allocation moves **outside** the fixed circle, candidates like Candidate C can be awarded a maximum of four proximity points. Proximity points outside the circle decrease in a linear fashion out to 2500 NM away from the donor hospital.

Because Candidate C is outside of the circle, they will appear after Candidates A and B on the match run, regardless of their score. **Mandatory national kidney shares still apply**, refer to [the policy notice](#) for more details.



| Sequence A<br>KDPI 0-20% (and en bloc)                        | Sequence B<br>KDPI 20-34%                                     | Sequence C<br>KDPI 35-85%                                     | Sequence D<br>KDPI 86-100%                                  |
|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| 100% Highly Sensitized<br>Inside Circle Prior Living<br>Donor | 100% Highly Sensitized<br>Inside Circle Prior Living<br>Donor | 100% Highly Sensitized<br>Inside Circle Prior Living<br>Donor | 100% Highly Sensitized<br>Inside Circle Medically<br>Urgent |
| Inside Circle Pediatrics<br>Inside Circle Medically<br>Urgent | Inside Circle Pediatrics<br>Inside Circle Medically<br>Urgent | Inside Circle Medically<br>Urgent                             | 98%-99% Highly<br>Sensitized                                |
| 98%-99% Highly<br>Sensitized                                  | 98%-99% Highly<br>Sensitized                                  | 98%-99% Highly<br>Sensitized                                  | 0-ABDRmm                                                    |
| 0-ABDRmm                                                      | 0-ABDRmm                                                      | Inside Circle Safety Net                                      | Inside Circle Safety Net                                    |
| Inside Circle Top 20%<br>EPTS                                 | Inside Circle Safety Net                                      | Inside Circle (All)                                           | Inside Circle (dual)                                        |
| 0-ABDRmm (ALL)                                                | National (All)                                                | National (All)                                                | National                                                    |
| Inside Circle (All)                                           | Inside Circle (dual)                                          | Inside Circle (dual)                                          | National (dual)                                             |
| National Pediatrics                                           | National (dual)                                               |                                                               |                                                             |
| National (Top 20%)                                            |                                                               |                                                               |                                                             |
| National (All)                                                |                                                               |                                                               |                                                             |

\* This simplified table does not include every classification. Find a complete listing of classifications across sequences in [the 2020 policy notice](#) that addresses medically urgent candidates in the new kidney allocation system.

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