

Figure 16.3: An undirected graph representing how your roommate's health  $h_r$ , your health  $h_y$ , and your work colleague's health  $h_c$  affect each other. You and your roommate might infect each other with a cold, and you and your work colleague might do the same, but assuming that your roommate and your colleague do not know each other, they can only infect each other indirectly via you.