Questions 1-6 are based on the following:

A healthcare provider undertook a pilot project in order to better understand the linguistic identity of its patients. Patients were asked over the course of a year a set of standardized questions including their mother tongue to assess their linguistic identity.

Below is a table that presents the data collected during the fourth quarter (Q4) of fiscal 2016-2017.

MAIN PATIENT SERVICE	Mother Tongue			
	English	French	Other	Total
CARDIOLOGY	105	113	31	249
GASTRO-ENTEROLOGY	60	43	8	111
GENERAL MEDICINE	449	468	75	992
GYNAECOLOGY	60	57	10	127
OBSTETRICS	329	354	98	781
ORTHOPAEDIC SURGERY	269	170	31	470
PAEDIATRIC MEDICINE	30	14	6	50
OTHER	210	213	31	454
TOTAL	1512	1432	290	3234

Fiscal 2016-2017, Q4 - Pilot Project on Patient Linguistic Identity - Capturing Socio-Demographic Factors for Better Health Planning

Q1. What is the probability that a patient's mother tongue is French or that s/he is coming for Cardiology treatments?

a) 3.5%
b) 48.5%
c) 51.2%
d) 52.0%
e) None of the above

Q2. What is the probability that a patient is coming for Gynaecology or Obstetrics treatments?

a) 0.00%
b) 0.9%
c) 20.2%
d) 28.1%
e) None of the above

Q3. Knowing that a patient's mother tongue is English, what is the probability that s/he is coming for Gastro-Enterology treatments?

a) 1.9%
b) 4.0%
c) 7.3%
d) 39.7%
e) None of the above

Q4. Given that a patient is visiting the hospital for Orthopaedic Surgery treatments, what is the probability that the patient's mother tongue is French?

a) 5.3%
b) 11.9%
c) 36.2%
d) 53.6%
e) None of the above

Q5. Consider a randomly chosen patient arriving to this hospital, what is the probability that her/his mother tongue is English and that s/he came to the hospital for General Medicine treatments?

a) 13.9%
b) 29.7%
c) 45.3%
d) 63.5%
e) None of the above