Additional file 2 Description of the vignettes. The history at first and second phase for each of the five vignettes. The options of management are divided into definitive actions and non-definitive actions. Positive predictive values (PPV) are noted for each phase. (Rose et al. BMJ Open. 2015 May 27; 5(5):e007212)

					_
Vignette	Phase	PPV (%)	Anamneses of hypothetical patients	Definitive actions	Non-definitive actions
1 Lung	1	6	68-year-old female, ex-smoker with persistent cough for 3 weeks but no other symptoms, taking ramipril for hypertension. Ear, throat and chest exams were normal.	-	Antibiotics Oral steroids Anti-tussive medicines Stop ramipril
		0	Patient returns after another 3 weeks, saying cough has persisted and now there are streaks of blood in the sputum. No weight loss, but a chest examination reveals some crepitations at the left base. Any tests previously undertaken were normal.		Advise visit to pharmacy to try remedies there Tell her that no action
	7	3.9	62-year-old man with COPD, a heavy smoker for over 40 years. He	Secondary care	is needed at this stage Advise increased use
	П	3.6	presented with respiratory symptoms.	referral Chest x-ray Chest CT	of salbutamol inhaler Antibiotics Oral steroids
		3	Patient returns in 3 weeks, complains of constant ache in left shoulder. Patient attributes pain to persistent cough; he is also producing grey coloured sputum in larger quantities than usual, but no other chest symptoms. No weight loss. On exam he has still a bilateral upper lobe wheeze and some crepitations at the left base. Examination of his shoulder is normal.		Antibiotics and add new inhaler- steroid or salmeterol Anti-tussive medicines Advise visit to pharmacy to try remedies there
2 Lung	2	>10.0			Tell him that no action is needed at this stage
olorectal	П	0.7	43-year-old woman with IBS for more than 10 years, but the IBS has gotten worse recently. She has abdominal pain every day, unchanged bowel habits and no other symptoms. She has no family history of cancer. The patient returns to see you. Her recent blood test has returned a haemoglobin level of 10.5g/dl.	Secondary care referral Colonoscopy Abdominal CT	Prescribe medication for IBS Give dietary advice Offer psychological therapies (counselling and CBT) Tell her that no action
3 Colo	7	1.2	68-year-old man with no relevant medical history. He has experienced	Secondary care	is needed at this stage Offer medication e.g.
4 Colorectal	1	6.0	loose stools twice a day, most days for over 4 weeks. He has no other symptoms. Examination incl. rectal exam was normal. Any tests selected are negative. Patient returns 2 weeks later, describing that the diarrhoea remains much the same, but he now also has intermittent sharp abdominal pain. Abdominal and PR examinations are	referral Colonoscopy Abdominal CT	loperamide, antispasmodic, analgesia. Advice on diet Tell him that no action is needed at this stage
4 C	2	3 1.9	normal. 53-year-old woman whose last period was 6 months ago. She had experienced abdominal pain for the last 3 weeks. She has had no other symptoms and the same sexual partner for 20 years.	Secondary care referral Abdominal ultrasound	Prescribe analgesia Prescribe anti- spasmodic Undertake
5 Ovarian	2 1	0.7 0.3	All investigations to date have been normal. The patient presents one month later with urinary frequency. She says the abdominal pain is still present but comes less often. Abdominal examination is normal. A urine dipstick for blood, protein, nitrite, white cells and sugar is negative.	Pelvic CT	investigations now Tell her that no action is needed at this stage