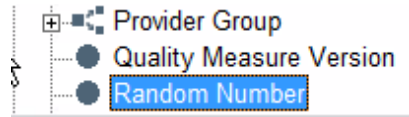Using Rule Editor and under the context of Patient BPA Locator is property **Random Number**. Creating a rule with this Epic released property and plugging it into a Criteria record will help with randomization.

The property in the rule should be setup to look to a whole number value and include an appropriate maximum/minimum depending on the intended frequency.

#	Property	Operator	Value
1	Constant » ↗	=	1
	✎ Random Number		

Minimum
1.00000

Maximum
2.00000

Integer Only?
Yes

The system will assign patient encounter contacts a random whole number and evaluate against the rule accordingly.

Adding this linked criteria to a BPA with the appropriate logic will be what sets it up as Random or not.

In our use case, we wanted to randomize when a BPA for the flu vaccine would present. We also did not want it to present in instances where another BPA or this BPA has already fired.

Our general BPA setup followed the below.

BestPractice Advisory - BASE IP INFLUENZA VACCINE 3 YEARS & OLDER RANDOM 1 [1518] - Linked Criteria

Metadata Save Save As Test Test Logic Preview

Linked Criteria Records

Name: BASE IP INFLUENZA VACCINE 3 YE*   ID: 1518   Contact date: 1/29/2018

	Linked Criteria
1	CL IP INFLUENZA VACCINE 3 YEARS & OLDER [1285]
2	CL EXCLUDE INFLUENZA RECOMMENDATION [612]
3	CL IP INFLUENZA VACCINE CONTRAINDICATION [1290]
4	RANDOM NUMBER CHECK PART 1 [1369]
5	BPA 1518 TRIGGERED [1372]
6	BPA 1507 TRIGGERED [1373]
7	

Logic: ⑦ 1 AND 2 AND 3 AND (NOT 4 OR 5) AND NOT 6

Selected record summary:

Base Record = Base IP Influenza Vaccine 3 Years & Older Random [1518]

Criteria Record	Sumary Logic	Explicit Logic within Criteria	Present in other Flu BPA	Other BPA
CL IP INFLUENZA VACCINE 3 YEARS & OLDER [1285]	Patient between 3 and 64 without Flu Vaccine Contraindication	Patient Age between 3 and 64 with no Influenza Vaccine Contraindications	Yes	BASE IP INFLUENZA VACCINE 3 YEARS & OLDER [1507]
CL EXCLUDE INFLUENZA RECOMMENDATION [612]	Exclude patients who already have flu vaccine	Rule within criteria to Exclude Patients who have Active Medication Order for the Flu Vaccine	Yes	BASE IP INFLUENZA VACCINE 3 YEARS & OLDER [1507]
CL IP INFLUENZA VACCINE CONTRAINDICATION [1290]	Exclude patients who present a contraindication or have refused the flu vaccine already	Rule within criteria to Exclude Patients with a documented flowsheet value related to Influenza that includes any of the following: Allergy to eggs or latex, age less than 6 months, completely vaccinated during current flu season, prior sensitivity to flu vaccine, patient cautioned against flu vaccine due to allergy, admitted for transplant of stem cell, solid organ, bone marrow, treatment plan is comfort/hospice, History of Guilian-Barre Syndrome after vaccine, April 2 through August (vaccine not offered), or Patient/caregiver refuses vaccine, no contraindications.	Yes	BASE IP INFLUENZA VACCINE 3 YEARS & OLDER [1507]
RANDOM NUMBER CHECK PART 1 [1369]	Include rule with looking for the Number 1 in a range from 1 to 2.	Rule within criteria to Include Random Number Property [208] under context BPA Locator where scenarios qualifying for the random number check. Rule looks to find a Random whole number of 1 in a range from 1 to 2.	No	N/A
BPA 1518 TRIGGERED [1372]	Include rule to see if this BPA has already been triggered	Rule using property Has BPA Triggered for Patient [29001] with BPA specified with value of yes.	No	N/A
BPA 1507 TRIGGERED [1373]	Include rule to see if BPA BASE IP INFLUENZA VACCINE 3 YEARS & OLDER [1507] has already fired	Rule using property Has BPA Triggered for Patient [29001] with BPA specified with value of yes to see if BPA BASE IP INFLUENZA VACCINE 3 YEARS & OLDER [1507] has already fired	No	N/A
Logic within base record	1 AND 2 AND 3 AND (NOT 4 OR 5) AND NOT 6			
Overall Logic in written text	Vaccine Contraindication AND patient has not already had a flu vaccine AND patients does not present a contraindication or has already			
	AND patient does not qualify for the random number check or they have not already had this BPA fire			
	AND patient has not already had BPA BASE IP INFLUENZA VACCINE 3 YEARS & OLDER [1507] fire			
	THEN - trigger BPA			