## **Reinforcing Target Behaviours**

- When patients perform desirable target behaviours clinician awards them with token
- More items or rewards token can be exchanged for the more powerful token becomes
- Sran and Borrero (2010) Compared behaviours reinforced by tokens that could be exchange
  one item or variety of items Found all participants had higher rates of responding to tokens it
  variety of items

#### The 'Trade'

- Important part of token economy is exchange of tokens for backup rewards checkinician
- During early stages of token economy frequent exchange periods mean patients
   reinforced and target behaviours increase in frequency
- Kazdin (1977) Effectiveness of token economy may decrease if more time passes be per presentation of token and exchange for backup reinforcers

# **EVALUATION OF TOKEN ECONOMY - AO3**

#### **Research Support**

- Dickerson Et. Al. (2005) Research support for tok
- Reviewed 13 studies for use of token economy system at treatment of hizophrenia 11 st.
   reported beneficial effects directly attributable to use of the properties.
- Overall studies provide evidence of token comy effects are acreasing adaptive behaviours of schizophrenic patients
- However many studies reviewed has significal at thodological accomings that the field impact in overall assessment of token economic properties.

#### Difficulties Assessing Success of Token Economy

- Comer (2013) Major problem in assessit
   fectiveness of the person of the
- When token econopy stem introduced in schiatric ward as eigents brought into program rather than having experiment and app and control app
- Patient's imprements can compared a past behaviours rather than those in control group
- As no croother factors like staff attacks of soul ruse improvement rather than token economy

# Usefulness of a Economy in Community

- Token a my mainly boown to work well in a pital setting.
- Corrigan Products administering token economy method for outpatients in community
- Within psychia receive 24 hour care Better control for staff to monitor and patients priately
- In a nunity as our control of watched token method would be very infrequent Hard to make in results out. A trict by all setting

#### hical Concer

- In or some ske reinforcement effective clinicians may exercise control over important primary received by privacy or access to activities
- erally accepted human beings have certain basic rights to food and privacy Basic rights at be violated regardless of positive consequences
- Manual tion by token economy goes against rights so may be considered unethical

# NTERACTIONIST APPROACH - AO1

- Given constant interplay between genes and environment the greater exposure to schizophrenia linked environmental factors the greater likelihood person with a given level of genetic predisposition will actually develop schizophrenia
- If a person with fewer of gene variants linked with schizophrenia exposed to more environmental stressors they may pass threshold for development of schizophrenia
- Different gene variants and different environmental pressures lead to differing levels of development of schizophrenia



 Approach important because singular explanations are incomplete/ineffective at explaining all schizophrenia

# **DIATHESIS STRESS MODEL – AO1**

# Diathesis Stress – Mental disorders result of interaction between biological and environmental influence Diathesis

- Schizophrenia has a genetic component which makes individuals who inherit genes more likely to develop disorder
- Tienari Et. Al. (2004) MZ twin of person with schizophrenia is at greater risk at schizophrenia than sibling or DZ twin
- In 50% of MZ twins in which one is diagnosed with schizophrenia the other never mediagnosed with schizophrenia the other never mediagnosed with schizophrenia the other never mediagnosed.
- Dis-concordance among MZ twins means environment must play a horizontal determining whether a biological vulnerability for schizophrenia actually develops in adjisorder

#### Stress

- Stressful life experiences like childhood trauma or urb
- Varese Et. Al. (2012) Children who experienced so trauma before age 16 were the likely to develop schizophrenia in later life compared traumatised at greater risk
- Vassos Et. Al. (2012) Risk for schizophre most urban and an extension of the estimated to be 2.37 times higher than in most rural environments
- Possible more adverse living condition of a developpulated use environments be contributory factor

#### **Additive Nature of Diathesis and Stress**

- Combination of diathesis and stress can be to onset or apphrenia
- Relatively minor stressors may lead to ons of disorder for a dividual who is highly vulnerable or a major stressor may be to onset in person on in vulnerability

## Tienari Et. Al. (2004)

# **Procedure:**

- 1. Reviewed by and records for 2b open adjusted to Finnish psychiatric hospitals between 1960 and 1976 centified those diagnosed applications.
- 2. 145 q whers adopted away offspring known isk group compared to 158 adoptees without genetic sknown as lower k group
- 3. Both group sessed 12 years and again after 21 years
- 4. Psychiatrists and ded family functioning using OPAS scale Measures families on various aspects ent-offspring conflict and insecurity
- trists blind by or low genetals k

# ndings:

- High etic risk + High developed schizophrenia
- High postic risk + Low OPA 8% developed schizophrenia
- Le High OPAS 5.3% developed schizophrenia
  - genetic risk PAS 4.8% developed schizophrenia

#### Evaluati

- When sychiatrists assessed stress in adoptive family using OPAS they only assessed at one point in time to reflect developmental changes in family functioning
- Stress showing adoptee may be due to adoptee themselves not family environment

# **EVALUATION OF INTERACTIONIST APPROACH – AO1**

#### Flexibility of Interactionist Approach

- In addition such interactionist approaches provide a more flexible approach to explaining a very complex disorder where symptoms and type vary considerably
- Explanations can be switched or one explanation emphasised more than another depending of esymptoms and type being explained Interactionist approach can offer a more complete way of explaining schizophrenia than a singular explanation
- Interactionist approach may lead to treatments that are more effective like a control instead of one which only focuses on one cause
- Treating schizophrenia with drugs only may not alleviate all of the symptoms Evaluate sts that
  patients make a better recovery from combined therapy rather that just medication are
- This supports the benefits of a combined interactionist approach a singular approach.

## Diathesis may not be Exclusively Genetic

- Increased risk in vulnerability can also result from brain dam caused by animental cors
- Verdoux Et. Al. (1998) Risk of developing schizophrenia and life for individual to be have experienced obstetric complications at birth is four tipe deater than those without complications
- Brain damage can play a role in the development of suphrenia as we as genes so imports assume diathesis not only genetic

## Urban Environments are not Necessarily more Strand

- Romans-Clarkson Et. Al. (1990) No urban No. Wifferences in the fall health among women in NZ.
- Paykel Et. Al. (2000) Urban rural degrences see lisappeared a analysis differences between two groups
- Although social adversity may be a trigon leading to the of schizophic and matter that social adversity and urbanisation are synonyment is likely to be a simplification.

### **Difficulties in Determining Causal Stress**

- Typical diathesis str
   odels make referento stressful even that occur close to onset of schizophrenia
- Possible stress pearlier in a palso influent pow people respond to later stressful events and increase fyrm susceptibility to a
- Hamma (2) Maladaptive method, using the stress in childhood and throughout development means individual fails to development coping skills compromising resilience and increas.
- Ineffective and g skill was make life more stressful for individual and trigger mental illness
- Suggests iden essential essors is difficult meaning it is difficult to implement diathesis-stress model

# Limitations of Interactionis roach

- Cap the state of to carry out recarch that involves more than one explanation Research that its estimate of the state of
- refore whilst reading that an interactionist approach may be a better way of explaining shrenia practical difficulties of carrying out such research mean there are few attempts to do so
- Tien study of adoptees in Finland is one of the few studies to show the combined impact of genetic environmental factors
- In terms on hined treatment it is difficult to know whether one form is playing a bigger role than the other in recovery This means that resources in terms of therapeutic time and money may be wasted which is not good for the patient or the health service.