

BTEC L3 Health and Social Care

Y12-13 SUMMER TASK: UNIT 14 SECTION A

Learning aim A: Investigate the causes and effects of physiological disorders A.P1, A.M1 and A.D1

Produce a report on the impact of **two** different physiological disorders on the health and wellbeing of service users and the potential benefits of different investigations and treatment options for service users diagnosed with physiological disorders.

A.P1: Explain the causes, signs and symptoms of different types of physiological disorder on service users.

Chose 2 of the following physiological disorders from different body systems

- *Endocrine system disorders, e.g. diabetes, hypo and hyperthyroidism.*
- *Nervous system disorders, e.g. Parkinson's disease, Alzheimer's disease.*
- *Musculo-skeletal system disorders, e.g. rheumatoid arthritis, osteoporosis.*
- *Respiratory system disorders, e.g. asthma, chronic obstructive pulmonary disease (COPD).*
- *Circulatory system disorders, e.g. coronary heart disease, leukaemia.*
- *Cancer, e.g. bowel, prostate, breast.*

What to include in your P1. You need to do a report therefore pictures, graphs etc are needed.

1. Introduction (talk about the five body systems)
2. Explanation of the body systems that the disease is involved with.
3. Explanation of diseases
4. Explanation of signs and symptoms.
5. What changes are happening to the physiology of the body as a result of the disease?
6. What changes are happening to normal body functions because of the disease?
7. What changes are happening to the body due to any treatments being undertaken?
8. Explanation of causes of the diseases:
 - Inherited traits, e.g. sickle cell anaemia.
 - Lifestyle choices, e.g. smoking cigarettes, drug misuse.
 - Diet, e.g. obesity, dietary deficiency.
 - Environment, e.g. housing conditions, air pollution.
9. Bibliography

As most of this work is factual make sure every time you read something you reference it in your work and write a bibliography .

YOU CANNOT PLAGIARISE FROM BOOKS OR THE INTERNET. IT MUST BE YOUR OWN WORDS. DO NOT COPY AND PASTE ANY TEXT INTO YOUR REPORT.

PICTURES MUST HAVE THE SOURCE (eg website) CLEARLY STATED.

NOTE: For A.M1 and A.D1 it is probably more sensible to combine the two into one section, but make sure you meet both command verbs 'analyse' and 'evaluate'.

A.M1: Analyse the changes in body systems and functions resulting from different types of physiological disorder on service users.

Analyse = this is the presenting of a detailed examination/research. You must provide data/evidence/statistics to back up your information. **REFERENCES**

www.healthline.com/health/diabetes/effects-on-body

www.nhs.uk

How do the two disorders change body systems and the way your body works?

For M1 you can relate the disorders to any body systems and how the disorder impacts on these body systems.

At least 3 for each disorder.

- **How the disorder changes the function of the cells, tissues, organs or whole systems in the body**
- **The severity of the immediate physical health effects**
- **The severity of the long term physical health effects**
- **Are there any similarities in the changes caused by the 2 disorders?**

A.D1: Evaluate the impact of physiological disorders on the physical, intellectual/mental, emotional and social health and wellbeing of service users.

Evaluate = use information to consider the positive and negative impact of both disorders on the physical, intellectual, emotional and social health and well-being of service users. Make a conclusion/ judgment of the information (what do you think?)

Using relevant facts from your work so far, **evaluate** the impact the disorder can have on a service users' health and wellbeing, must include:

Physical

- Explain in detail at least **2 common physical effects** (can be internal or external effects to the body)
- Additionally explain **1 uncommon** physical effect
- To what extent would the above impact on the individual?

Intellectual

- Explain in detail at least **2 common intellectual effects**
- Additionally explain **1 uncommon** intellectual effect
- To what extent would the above impact on the individual?

Emotional

- Explain in detail at least **2 common emotional effects**
- Additionally explain **1 uncommon** emotional effect
- To what extent would the above impact on the individual?

Social

- Explain in detail at least **2 common social effects**
- Additionally explain **1 uncommon** social effect

- To what extent would the above impact on the individual?

Conclusion

- Reach a justified conclusion based on your research on which aspect/s of health are affected the most and why you believe this.
- Articulate whether you feel there are any **positive** effects on the health of the service user.
- To achieve distinction, you will need to tease out the strengths and weaknesses of this combination of people working together to achieve the best possible care for the individual.
- This will be easier if you are able to interview an individual with the disorder you have chosen to write about because you can ask them how it all works.
- When you have determined all the strengths and weaknesses, try to reach a sensible conclusion as to how effectively the care pathway works.

You must give relevant **facts to help evaluate the impact*

*** Ensure you use the key **signs and symptoms** term*